A Complete Bibliography of *Philosophy of Science*: 2010–2019

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

27 January 2020
Version 1.23

Title word cross-reference

\$110.00 [756]. **\$35.00** [667]. **\$74.00** [640]. **\$78.00** [641]. $_{ST}$ [142]. F [145].

-Statistics [145].

2016 [743].

83 [643]. **84** [632].

= [556].

Abductive [544]. **Ability** [712, 716]. **Absolute** [536, 585]. **Abstract** [271]. **Abstraction** [493, 525, 687, 189, 101]. **Acceleration** [521]. **Acceptance** [230]. **Accepting** [484]. **Access** [165]. **according** [357]. **Account** [664, 151, 132, 736, 235, 90, 213, 311, 567]. **Accounts** [665, 198, 784].

Accuracy [543, 180, 113, 129, 812, 640]. **Accuracy-Firsters** [543]. **Achinstein** [309]. **Acidity** [150]. **Acquire** [245]. **Across** [804, 740]. **Act** [775, 693]. **Ad** [105]. **Adaptation** [66, 528]. **Adaptations** [532, 99]. **Addiction** [421]. **Address** [743]. **Addressing** [679]. **Adequacy** [347]. **Adequate** [201]. **Adjusting** [723]. **Adolf** [306]. **Adrian** [115, 359]. **Advancement** [756]. **Adventures** [264]. **Advisor** [167]. **Aesthetics** [726]. **Afraid** [178]. **Against** [566, 605, 428, 364, 597, 44]. **Agents** [416]. **Aggregating** [298]. **Aggregation** [713]. **Aggression** [307]. **Agree** [777]. **Agreeing** [222]. **Agreement** [311]. **Ahistorical** [787]. **Aims** [741, 775]. **Alcino** [297]. **Alex** [382]. **Algebra** [628]. **Algebraic** [798, 170]. **Algorithms** [215]. **Allan** [395]. **Allhoff** [10]. **Alspector** [10]. **Alspector-Kelly** [10]. **Alternative** [32, 484, 238]. **Alternatives** [408]. **Altruism** [694]. **Ambiguity** [355, 290]. **Analogical** [721]. **Analogs** [693]. **Analogy** [70, 26, 69]. **Analyses** [172, 35]. **Analysis** [627, 470, 517, 166]. **Angela** [741]. **Animal** [692, 424]. **Animals** [380]. **Answers** [715]. **Anthology** [10]. **Anthony** [297, 370]. **Anthropomorphism** [610]. **Anticommons** [161]. **Antilikelihood** [535]. **Antirealism** [337, 73]. **Antirealist** [767]. **Antireductionist** [651]. **Antiscience** [646]. **Antony** [114]. **Any** [67]. **Anything** [270]. **Applicability** [198]. **Application** [737]. **Applications** [65, 139]. **Applying** [187]. **Appraising** [233]. **Apprentices** [264]. **Approach** [32, 514, 234, 614, 471, 798, 511, 750, 69, 432, 722]. **Approaches** [495]. **Approximation** [117]. **Archaeology** [577]. **Argon** [21]. **Argument** [711, 570, 113, 4, 482, 728, 651, 3, 69]. **Arguments** [286, 413, 617, 585]. **Arnold** [295]. **Arntzenius** [273]. **Arrow** [652, 255, 279]. **Arrows** [386]. **Art** [726]. **Artifact** [419]. **Artificial** [737]. **Artificiality** [328]. **Ascent** [704]. **Aspect** [478]. **Aspects** [671, 412]. **Assertion** [539]. **Assessments** [561]. **Assumption** [772, 423]. **Assumptions** [350]. **Astronomy** [383, 805]. **Astrophysical** [676]. **Asymmetry** [350, 558]. **Atoms** [801]. **Attachment** [226, 733]. **Attitudes** [229]. **Attribution** [334]. **Augmented** [449]. **Author** [163]. **Autonomous** [51, 762]. **Autonomy** [474]. **Avoidance** [733]. **Awareness** [795]. **Awkward** [77]. **Axiomatic** [639].

Bacciagaluppi [114]. **Background** [286, 490]. **Bad** [448]. **Bain** [655]. **Bar** [454]. **Bar-Hillel** [454]. **Bar-Hillel/Carnap** [454]. **Bardon** [359]. **Barking** [23]. **Barrett** [115]. **Base** [31]. **Base-Rate** [31]. **Based** [184, 511, 422, 317]. **Baseline** [660]. **Basic** [320]. **Basis** [371, 159, 811, 426]. **Bateson** [152]. **Batterman** [366]. **Bayes** [627]. **Bayesian** [204, 626, 467, 535, 13, 387, 224, 266, 748, 267]. **Bayesianism** [664, 14, 15]. **Be** [391, 448, 151, 767, 460, 116, 501, 152, 265, 74, 178, 67]. **Beauty** [468]. **Behaving** [813, 641]. **Behavior** [307, 434, 317]. **Behavioral** [512, 611]. **Being** [149]. **Belief** [225, 139, 752, 751]. **Beliefs** [425]. **Bending** [552]. **Best** [32, 749]. **Best-Alternative** [32]. **Better** [391, 174, 728, 571]. **Between** [61, 362, 323, 77, 738, 458, 435, 635, 87, 173, 524]. **Beyond** [196, 235, 198, 473, 231, 583, 94]. **Bias** [610, 680, 442, 250]. **Biased** [416].

Bickle [297]. **Big** [362]. **Biography** [296]. **Biological** [659, 588, 39, 513, 785, 427, 708, 319, 691, 152, 242, 431, 274, 591, 516, 474]. **Biologically** [564]. **Biologists** [686, 240]. **Biology** [146, 654, 656, 526, 690, 786, 688, 687, 206, 746, 700, 119, 362, 38, 455, 315, 809, 396, 729]. **Biomedical** [151, 163]. **Birthday** [306]. **Black** [220, 485, 485, 702]. **Blackmore** [9]. **Blurring** [410]. **Body** [22]. **Bohm** [258, 434]. **Boltzmann** [753]. **Boltzmannian** [209, 438, 621]. **Bond** [23]. **Bonding** [801]. **Book** [540, 667, 488, 357, 273, 359, 383, 718, 371, 184, 370, 122, 308, 382, 114, 130, 183, 307, 296, 384, 294, 104, 309, 210, 717, 578, 295, 139, 271, 367, 297, 11, 154, 369, 115, 413, 138, 640, 358, 9, 103, 193, 140, 396, 283, 395, 281, 368, 455, 282, 394, 456, 10, 641, 729, 730, 272, 541, 756]. **Bottom** [344]. **Bottom-Up** [344]. **Boumans** [578]. **Boundedly** [227]. **Bounds** [627]. **Boxes** [220, 209]. **Boyer** [717]. **Boyer-Kassem** [717]. **Brain** [325, 271, 332, 420, 495, 491]. **Brains** [279]. **Branching** [253]. **Brandon** [87]. **Break** [609]. **Breaking** [168, 483]. **Brief** [359]. **Broadbent** [382]. **Broglie** [434]. **Broken** [81]. **Brunswick** [756]. **Building** [206]. **Button** [127].

C [122, 756]. **Camera** [271]. **Can** [331, 32, 448, 182, 19, 617, 67]. **Cancer** [659, 686]. **Cannot** [182]. **Canonical** [1]. **Captures** [271]. **Cardinality** [188]. **Care** [125, 813, 641]. **Careful** [614]. **Carl** [718]. **Carnap** [20, 454, 295]. **Cartan** [451]. **Case** [650, 147, 526, 236, 779, 501, 772, 148, 335, 360, 21, 223]. **Cases** [146, 334]. **Casual** [334]. **Catastrophism** [409]. **Categorical** [710]. **Categories** [321]. **Causal** [218, 532, 298, 147, 219, 698, 760, 514, 34, 385, 171, 287, 513, 714, 30, 772, 187, 90, 386, 761, 86, 608, 497, 658, 444, 368, 590, 815, 516, 564, 311, 217]. **Causality** [460, 33, 456]. **Causally** [450, 762, 533]. **Causation** [142, 546, 249, 99, 574, 690, 811, 400, 612, 444, 12, 173, 311, 622, 371, 358]. **Cause** [96, 216]. **Causes** [25, 425, 559, 42]. **Causing** [453]. **Caution** [263]. **Cautionary** [681]. **Cell** [241]. **Centric** [656]. **century** [807, 238, 395]. **Certainty** [587]. **Ceteris** [34, 638]. **Chain** [69]. **Chains** [82]. **Challenge** [287, 677, 744, 479]. **Challenges** [65, 540]. **Challenging** [73]. **Chance** [389, 462, 560, 797]. **Chances** [388]. **Change** [561, 65, 71, 64, 152, 528]. **Chaos** [439, 227]. **Characterization** [256]. **Characterizing** [96]. **Cheap** [417]. **Chemical** [305, 801, 59]. **Chemistry** [56, 259, 58]. **Chien** [756]. **Chirimuuta** [487]. **Choice** [628, 772, 424, 79, 691, 377]. **Christopher** [308, 293]. **Churchland** [271]. **Citation** [344, 778]. **Clade** [547]. **Clades** [338]. **Claim** [78]. **Claims** [147, 128]. **Classes** [721]. **Classic** [541]. **Classical** [255, 434, 365, 620]. **Classification** [383, 780, 305, 805, 625]. **Clauses** [34]. **Clerk** [309]. **Climate** [561, 236, 529, 63, 165, 65, 66, 71, 64, 530, 528]. **Clines** [338]. **Clinical** [352, 446]. **Closed** [96]. **cloth** [640, 641, 756]. **Clusters** [632, 338, 593]. **Coarse** [714, 437]. **Coarse-Grained** [714]. **Coarse-Graining** [437]. **Coevolution** [303]. **Cognition** [692, 23]. **Cognitive** [378, 610, 292, 228, 229, 611, 24, 548, 673, 172, 501, 134, 101, 55]. **Cognitive/Evolutionary** [548]. **Coherence** [418]. **Coin** [728].

Coin-Tossing [728]. **Coincidences** [93]. **Collaboration** [391, 717, 163, 472, 360, 647]. **Collaborators** [777]. **Collection** [630]. **Collective** [717]. **Color** [481, 487]. **Commensuration** [442]. **Comment** [631, 484]. **Comments** [752]. **Commercialization** [162]. **Common** [96, 470]. **Communication** [496]. **Communism** [573]. **Communities** [712, 653]. **Community** [428]. **Comparative** [70, 469, 71]. **Comparativism** [616]. **Compatibilist** [664]. **Compelling** [263]. **Competition** [583]. **Completeness** [401, 802]. **Complex** [344, 504, 503, 505, 513, 343, 345, 72]. **Complexity** [415, 103, 582]. **Comprehensive** [421]. **Computation** [261, 54, 567]. **Computational** [27]. **Computational-Level** [27]. **Computationalism** [53]. **Compute** [735]. **Computer** [398]. **Con** [9]. **Concept** [314, 700, 608, 658]. **Conception** [674, 801, 727]. **Conceptions** [507]. **Concepts** [320, 534, 151, 245, 187, 314]. **Conceptual** [540, 370, 806]. **Concerning** [256]. **Condition** [179, 342, 559]. **Conditionalization** [180]. **Conditionals** [774]. **Conditioning** [250]. **Conditions** [99, 460, 472]. **Conference** [114]. **Confidence** [561]. **Confirmation** [275, 551, 535, 63, 62, 268, 536, 95, 411, 267]. **Confirmational** [222]. **Conflations** [90]. **Confrontation** [186]. **Confronting** [512]. **Confusions** [28]. **Conglomerability** [180]. **Conjunction** [2]. **Connection** [655]. **Connections** [620]. **Conor** [717]. **Consciousness** [248, 795]. **Consensus** [805, 722, 383]. **Consent** [443]. **Consequences** [15]. **Conservation** [93, 700, 237, 620]. **Considerations** [469]. **Consilience** [171, 414]. **Consistency** [518, 517]. **Constancy** [481, 329]. **Constitution** [544]. **Constraining** [170]. **Constraints** [120, 659, 699, 93, 242, 492]. **Construct** [527, 796, 491]. **Constructed** [662]. **Construction** [7, 691, 394, 808]. **Constructions** [794]. **Constructive** [550]. **Contemporary** [163]. **Content** [576]. **Contextualism** [76]. **Continental** [502]. **Contingency** [428, 606, 480]. **Contingent** [599]. **Contingentist** [239]. **Contingentist/Inevitabilist** [239]. **Contractarian** [221]. **Contradictions** [162]. **Contrastive** [675, 734]. **Control** [659, 720]. **Controversies** [165, 612, 756]. **Controversy** [383, 805]. **Conventionalism** [243, 337]. **Conventionality** [277]. **Convergence** [387]. **Convergent** [186]. **Cooperation** [417, 109]. **Cooperative** [290]. **Coordination** [795]. **Corporate** [680]. **Correct** [289]. **Correlation** [711, 95]. **Cosmic** [410, 28]. **Cosmology** [617, 193]. **Could** [116, 265]. **Counterexamples** [414]. **Counterfactual** [443, 558, 497]. **Counterfactuals** [124, 213]. **Counternomic** [594]. **Counts** [404]. **Coupling** [472]. **CPT** [655]. **Crash** [609]. **Creation** [324]. **Credence** [389, 812, 640]. **Credences** [468, 626, 300]. **Criteria** [679]. **Criterion** [737, 157]. **Critical** [526, 270, 293]. **Criticism** [556]. **Critique** [124, 182, 164, 280]. **Cross** [574]. **Cross-Unit** [574]. **Crossroads** [114]. **Cultural** [540]. **Culture** [418, 534]. **Cure** [170]. **Curie** [519, 520, 208]. **Curves** [638]. **Cycles** [514, 504, 503, 505].

D [103]. **Daniel** [384, 729]. **Dark** [706]. **Darwinian** [361, 140, 110]. **Daston**

[541]. **Data** [328, 22, 404, 670, 49, 165, 671, 193, 405, 458, 412, 362, 21, 649, 48, 630, 656]. **Data-Centric** [656]. **Data-Intensive** [412]. **Davey** [209]. **David** [115, 603, 138]. **Deal** [286]. **Dear** [104]. **Debate** [646, 196, 256, 350, 430, 338, 239, 624, 409]. **Debates** [73]. **December** [632]. **Deception** [322]. **Decision** [561, 79, 456]. **Decisions** [205]. **Decomposition** [242]. **Deep** [243]. **Defeasibility** [678]. **Defense** [666, 199, 796, 311]. **Definable** [710]. **Defining** [361]. **Definition** [136, 796]. **Degrees** [239]. **Deidealization** [745]. **Demand** [638, 165, 201]. **Demarcation** [673]. **Demise** [428]. **Democratic** [443, 601, 272]. **Democratizing** [681]. **Demon** [264, 82]. **Demystifying** [169]. **Dependence** [113, 171, 558, 137]. **Dependency** [312, 690]. **Depth** [714, 16]. **Deriving** [433]. **Destroyed** [67]. **Detecting** [146]. **Detrimental** [599]. **Development** [629]. **Developmental** [146, 503, 78, 72]. **Device** [245]. **Diagnostic** [423]. **Diagrams** [240]. **Dialogues** [683]. **Dick** [383]. **Did** [797]. **Diego** [54]. **Difference** [599, 117, 409]. **Difference-Makers** [599]. **Differences** [501, 740]. **Difficulty** [247]. **Digital** [685]. **Dimension** [101]. **Dimensional** [227]. **Direct** [91, 747]. **Disagreement** [287, 87]. **Disagreements** [738]. **Discernibility** [435]. **Discerning** [177]. **Disclosure** [390]. **Discontents** [508]. **Discordant** [352]. **Discoveries** [804]. **Discovering** [386]. **Discovery** [353, 805, 108, 148, 21, 383]. **Discrimination** [647, 423]. **Discussing** [683]. **Discussion** [102, 214, 270, 26]. **Disease** [789, 333]. **Disjunctive** [650]. **Dissatisfaction** [68]. **Dissent** [599]. **Dissociations** [134]. **Dissolve** [617]. **Dissolving** [602]. **Distinguishing** [153]. **Distortion** [793]. **Distribution** [1]. **Diversity** [712, 461, 716, 530]. **Divide** [109]. **Division** [378, 292, 673, 379]. **DNA** [108]. **Do** [661, 391, 777, 124, 634, 245, 66, 257, 685, 686, 255, 240, 279, 502]. **Does** [82, 609, 529, 728, 761, 201, 407, 263, 100, 58]. **Dog** [23]. **Doing** [332]. **Dominated** [449]. **Dominique** [756]. **Douglas** [371]. **Down** [546, 609]. **Downward** [249, 690]. **Drift** [185]. **Drugs** [680]. **Dualities** [524]. **Duncan** [370]. **Dupré** [729]. **Dutch** [413]. **Dwindling** [268]. **Dynamic** [470]. **Dynamical** [256, 798, 351, 589, 432, 516, 88]. **Dynamics** [546, 363, 13, 738, 495].

Easy [745]. **Ecological** [699, 653]. **Ecology** [698, 316, 428]. **Economics** [459, 392, 472, 701, 578]. **Ecphory** [696]. **eds** [717, 9, 10, 729]. **Eduardo** [632]. **Effect** [353, 205, 733, 529]. **Effective** [472]. **Effectiveness** [174]. **Effects** [765, 562]. **Efficiency** [788, 192, 135, 701]. **Eikonic** [674]. **Einstein** [68]. **Election** [441]. **Electroweak** [737]. **Elements** [289]. **Eliminative** [85, 362]. **Elliott** [130, 730, 488, 484]. **Elsewhere** [353]. **Elusive** [159]. **Embedded** [429]. **Embodiment** [421]. **Emergence** [417, 718, 705, 749, 317]. **Emergent** [357, 112]. **Emery** [754]. **Emotional** [693]. **Emotions** [794, 662]. **Empathy** [270, 473]. **Empirical** [254, 430, 347, 49, 165, 671, 452, 87, 157]. **Empiricism** [20]. **Enabling** [599]. **End** [261]. **Engineering** [609, 297].

Engines [377]. **Engram** [696]. **Enriched** [648]. **Ensembles** [64]. **Entanglement** [67]. **Entropy** [136, 59]. **Environment** [563, 314]. **Environmental** [384, 99, 700, 166, 814, 283]. **Environments** [99]. **Epidemiological** [382]. **Epidemiology** [803, 382]. **Epiphenomenalism** [790]. **Epistemic** [378, 739, 646, 780, 415, 712, 769, 673, 779, 569, 463, 101, 299, 545, 408, 3, 379]. **Epistemically** [599, 484]. **Epistemological** [671]. **Epistemology** [7, 743, 217]. **Equations** [34, 612]. **Equilibrium** [753, 471, 227, 438, 621]. **Equipped** [434]. **Equivalence** [521, 191, 710, 458, 596]. **Ernst** [9]. **Erosion** [677]. **Erratum** [84, 211, 372, 457, 632, 643]. **Error** [665]. **Eschatological** [392]. **Essay** [306, 566, 485]. **Essays** [717]. **Essences** [37]. **Essential** [166]. **Essentialism** [305, 39, 30, 38]. **essentialist** [244]. **Estimating** [145]. **Ethics** [700]. **Ethnic** [245]. **Etiology** [318]. **Evaluate** [680]. **Evaluating** [672]. **Evaluation** [538, 582]. **Evasion** [327]. **Everett** [357, 115]. **Everyday** [150]. **Everyone** [43, 799]. **Everything** [475, 729]. **Evidence** [648, 448, 184, 179, 147, 384, 570, 767, 672, 393, 352, 629, 193, 405, 374, 444, 95, 376, 814, 456, 557, 722, 649, 586, 414, 309]. **Evidence-Based** [184]. **Evidential** [461, 537, 577]. **Evolution** [142, 540, 320, 41, 256, 510, 563, 25, 511, 506, 79, 224, 694, 23, 322, 449, 110, 183]. **Evolutionary** [120, 243, 534, 504, 375, 688, 548, 606, 426, 26, 301, 42, 782, 72]. **Evolving** [321, 109]. **Exaggerated** [428]. **Exchange** [205]. **Exclusivity** [583]. **Exercise** [348]. **Expanded** [506]. **Expect** [218]. **Expected** [180]. **Experience** [329, 330, 421]. **Experiences** [328]. **Experiencing** [755]. **Experiment** [424, 217]. **Experimental** [219, 328, 736, 740, 720, 315, 721]. **Experimentation** [598]. **Experimenter** [221]. **Experiments** [565, 131, 329, 683, 299, 395, 362, 807]. **Expert** [528]. **Expertise** [713, 712]. **Explain** [182, 686, 58]. **Explaining** [674, 478, 343]. **Explanation** [674, 689, 588, 551, 132, 526, 765, 636, 4, 375, 342, 287, 106, 400, 118, 675, 5, 496, 346, 497, 556, 351, 213, 431, 590, 763, 591, 60, 734, 88]. **Explanations** [401, 288, 650, 398, 382, 688, 714, 93, 185, 366, 345, 497, 213, 98]. **Explanatoriness** [214]. **Explanatory** [774, 664, 153, 354, 650, 494, 126, 214, 287, 687, 714, 399, 675, 195, 589, 80, 242, 649, 227, 16]. **Explicating** [546]. **Exploratory** [764, 362]. **Exposed** [771]. **Expressions** [693]. **Extended** [23]. **Extension** [306]. **Extensions** [339]. **Extensive** [406]. **External** [445]. **Extrapolation** [70, 69, 721].

F [771, 641, 142]. **Face** [79]. **Factors** [532, 599, 333]. **Failure** [208]. **Faithfulness** [218, 772]. **Fallacy** [31, 591]. **Favor** [724]. **Featuring** [514]. **Feel** [121]. **Feigl** [83]. **Fictionalist** [746]. **Fictions** [153, 154]. **Field** [565, 370, 806, 168, 550, 578, 437, 68, 67]. **Fields** [190, 798]. **Fifty** [541]. **Files** [634]. **Financial** [343]. **Finding** [192]. **Fine** [570]. **Fine-Tuning** [570]. **Fingerprints** [71]. **Finite** [483]. **First** [328, 375, 496, 72]. **First-Person** [328]. **Firsters** [543]. **Fish** [529]. **Fit** [592]. **Fitelson** [137]. **Fitness**

[507, 128, 363, 505, 708, 509, 86, 426, 624, 12]. **Flash** [278]. **Flatness** [617]. **Flows** [729]. **Focused** [95]. **Fodor** [33]. **Following** [320]. **Forbidden** [501]. **Force** [207]. **Forces** [42]. **Foregrounding** [490]. **Forest** [529]. **Forge** [11]. **Forging** [155]. **Formal** [518, 269]. **Formulated** [78, 58]. **Formulation** [703]. **Forster** [414]. **Forward** [196]. **Foundation** [709]. **Foundations** [308, 566, 138, 394, 808]. **Founded** [151]. **Framework** [370, 609, 806, 269, 404, 625, 263, 238]. **Framing** [728]. **Frank** [273, 356]. **Franklin** [395, 565, 108]. **Free** [448, 584, 479]. **Frequentist** [31]. **Friedman** [75, 556]. **Fritz** [10]. **Frost** [295]. **Frost-Arnold** [295]. **Fruits** [109]. **Function** [302, 562, 787, 363, 232, 789, 175, 720, 792]. **Functional** [788, 325, 194, 135, 420, 422, 35, 246, 750, 311]. **Functionality** [215]. **Functions** [302, 24, 605, 735]. **Fundamental** [371, 811]. **Fundamentality** [652, 341]. **Funded** [679, 680, 681]. **Fungi** [304]. **Future** [65, 144].

G [308]. **Galaxy** [706]. **Galileo** [683, 452, 684]. **Game** [603]. **Games** [390, 470]. **Gap** [665, 621]. **Garber** [393, 571]. **Garber-Style** [393]. **Gases** [209]. **Gauge** [613, 737, 452, 635, 522, 524, 643]. **Gendered** [778]. **Gene** [324]. **General** [433, 614, 138, 252]. **Generality** [698]. **Generalized** [562, 253, 575]. **Generic** [335]. **Genes** [363]. **Genetic** [215, 185, 813, 641]. **Genetics** [294]. **Genic** [87]. **Genomics** [782]. **Genotypic** [87]. **Gentle** [280]. **Geodesic** [252]. **Geometrized** [340]. **Geometry** [798, 432, 277, 566]. **Germs** [363]. **Get** [151, 799]. **Getting** [158]. **Gibbs** [136, 1, 753]. **Gibbsian** [621]. **Gillett** [718]. **Global** [66]. **GMO** [646]. **Go** [625, 261]. **Goals** [262]. **Gödel** [523]. **Godfrey** [140, 396]. **Godfrey-Smith** [140, 396]. **Going** [386]. **Good** [130, 355]. **Got** [33]. **Gould** [349]. **Graded** [543]. **Grades** [285]. **Grained** [714]. **Graining** [437]. **Grammar** [535]. **Graphs** [69, 516]. **Gravitation** [637, 138, 340]. **Gravitational** [521]. **Gravity** [616, 193]. **Gray** [296]. **Greatly** [428]. **Greg** [295]. **Griffiths** [294]. **Ground** [124, 206]. **Grounding** [157]. **Groundings** [101]. **Grounds** [593, 632, 263]. **Group** [636, 437, 345, 346, 704]. **Groups** [243, 574]. **Grünbaum** [306]. **GRW** [278]. **Gualtiero** [567]. **Guide** [667, 565, 560, 569, 358]. **Guides** [551]. **Guido** [114]. **Guilt** [511].

H [122]. **Hacking** [695, 586]. **Hall** [358]. **Halvorson** [280]. **Hamilton** [507, 509]. **Handicap** [419]. **Handle** [125]. **Hans** [280]. **Happen** [683]. **Haptic** [498]. **Hard** [772]. **Harm** [778]. **Harper** [193]. **Harvard** [295]. **Hawkmoth** [529]. **Heads** [391]. **Health** [135, 381]. **Helen** [122]. **Helps** [174]. **Henri** [296]. **Heredity** [128, 152]. **Heritability** [602, 533]. **Heterogeneous** [420]. **Heterokaryotic** [304]. **Hidden** [386]. **Hierarchical** [13, 111]. **Hierarchies** [515, 415]. **Higgs** [353, 170]. **Higher** [40, 762]. **Hillel/Carnap** [454]. **Historical** [152, 768, 10, 145, 756]. **Historically** [767]. **Historicity** [312]. **History** [359, 548, 480]. **HIV** [761]. **Hoc** [105]. **Hodgkin** [612]. **Hole** [482]. **Holes** [339, 463, 485]. **Holism** [29, 430, 677]. **Homeostasis** [40]. **Homology** [608]. **Honor** [306]. **How-Possibly** [398].

Howick [184]. **Hoyningen** [281]. **Hoyningen-Huene** [281]. **Huene** [281]. **Human** [692, 183, 307, 495, 244]. **Humans** [502]. **Hume** [45, 32]. **Humeanism** [749]. **Humeans** [799]. **Humility** [467]. **Hunt** [449]. **Huxley** [612]. **Huygens** [464, 451]. **Hypotheses** [105]. **Hypothesis** [254, 436, 413, 424, 583, 223, 706]. **Hypothetical** [195].

Ian [695]. **IBE** [399]. **Iconic** [576]. **I'd** [74]. **Idea** [609]. **Ideal** [479]. **Ideality** [523]. **Idealization** [400, 117, 195, 684, 741]. **Idealizations** [76]. **Identity** [190, 574, 350, 8]. **If** [202, 270, 74]. **II** [15]. **Illumination** [481]. **Illusion** [330]. **Image** [389]. **Images** [17]. **Imaging** [422]. **Imperfect** [236]. **Implications** [142]. **Import** [537]. **Importance** [659]. **Imprecise** [225, 448]. **Inaccuracy** [14, 15]. **Inaugurating** [106]. **Incentive** [573]. **Incest** [733]. **Inclusive** [708, 509, 624]. **Incoherence** [543]. **Incompatibility** [516]. **Increasing** [722]. **Increasingly** [128]. **Independence** [678, 179]. **Independent** [557]. **Indeterminate** [300]. **Indexically** [653]. **Indigenous** [779]. **Indirect** [91]. **Indiscernibles** [8]. **Indispensability** [589]. **Indistinguishability** [219]. **Indistinguishable** [177]. **Individual** [317]. **Individual-Based** [317]. **Individualism** [316, 430]. **Individuality** [505, 427, 606, 607, 784]. **Individuals** [304, 350]. **Induction** [43, 572, 45, 46, 747, 773, 44, 584]. **Inductions** [768]. **Inductive** [231, 631, 639, 584, 285, 3, 230, 479]. **Industrial** [598]. **Industry** [679, 680, 681]. **Industry-Funded** [679, 680, 681]. **Inertial** [521, 464, 684]. **Inevitabilist** [239]. **Inextendibility** [615]. **Inference** [85, 4, 772, 747, 639, 748, 217]. **Inferences** [362]. **Inferential** [159, 723]. **Inferior** [484]. **Inferring** [303, 368, 815]. **Infinite** [651]. **Infinitesimal** [746]. **Information** [161, 448, 390, 324, 308, 454, 363, 286, 440, 90, 691, 263, 274]. **Informational** [666]. **Informed** [443, 722]. **Inherent** [582]. **Inheritance** [152]. **Inherited** [78]. **Injustice** [780, 779]. **Inner** [247]. **Inquiry** [776, 11]. **Ins** [315]. **Insights** [659, 761]. **Integrative** [784, 492]. **Intellectual** [779, 161]. **Intelligibility** [104]. **Intemann** [631]. **Intended** [680]. **Intensive** [412]. **Intentional** [187]. **Intentionality** [392]. **Interaction** [421]. **Interactions** [173]. **Interactive** [801, 99, 559]. **Interdependence** [699, 698, 700]. **Interdisciplinary** [472]. **Interest** [470]. **Interests** [225]. **Interpretation** [604, 402, 618, 57, 357]. **Interpretations** [614]. **Interpreting** [450, 533, 210]. **Interpretive** [748]. **Intersectionality** [450]. **Intertheoretic** [744]. **Intervention** [696]. **Interventionist** [526, 622]. **Interventions** [594]. **Intimate** [620]. **Intransigently** [416]. **Intrinsic** [37, 175]. **Intrinsicalism** [6]. **Introduction** [730, 294]. **Introspection** [327, 247]. **Intuitive** [311]. **Invariance** [214, 77, 618, 655]. **Investigate** [307]. **Irrelevant** [2]. **Isaac** [309, 193]. **Issues** [430]. **Itagaki** [9].

J [667, 632, 383, 297, 729, 541]. **Jacob** [270]. **James** [309, 643, 790, 23]. **Jeffreys** [276, 178]. **Jeremy** [184, 296]. **Jigsaw** [95]. **Jim** [752]. **John** [297, 729, 11, 9]. **Joint** [132]. **Jonathan** [115, 655]. **Joyce** [113, 137].

Judgment [528, 311]. **Judgments** [298, 167]. **Justice** [650, 552]. **Justification** [32, 392, 14, 15, 209, 773, 148]. **Justificatory** [234]. **Justifies** [399].

Kant [808, 291, 394]. **Kantian** [75]. **Karen** [666]. **Karola** [294]. **Kassem** [717]. **Kellert** [122]. **Kelly** [10, 192]. **Kenneth** [122, 641]. **Kent** [115]. **Kevin** [130, 730]. **Kills** [500]. **Kin** [508]. **Kind** [625, 564]. **Kinda** [355]. **Kinds** [678, 764, 73]. **Kitcher** [272]. **Knew** [74]. **Know** [232, 66]. **Knowability** [301]. **Knowing** [17]. **Knowledge** [717, 501, 335, 553]. **Known** [330]. **Knox** [451]. **Kuhn** [30, 26, 541]. **Kuhnian** [164]. **Kutach** [371].

L. [358]. **Labor** [378, 292, 673, 379]. **Laboratory** [578]. **Ladenness** [412]. **Landreth** [297]. **Landscape** [271, 420]. **Landscapes** [378, 688]. **Lange** [124]. **Language** [29, 113, 137]. **Laplace** [264]. **Latent** [721]. **Laura** [210]. **Law** [375]. **Laws** [92, 124, 139, 93, 19, 640, 812, 749, 33, 237, 620, 349, 752, 751]. **Lawton** [428]. **Laypersons** [673]. **Learn** [331]. **Learning** [417, 403, 21, 227]. **Led** [521]. **Left** [586]. **Legitimacy** [311]. **Leitgeb** [129]. **Leonelli** [656]. **Leopold** [700]. **Less** [545]. **Lessons** [352, 688, 215]. **Letting** [625]. **Level** [27, 60]. **Levels** [249, 762, 143, 715, 5, 590]. **Lewens** [540]. **Lewis** [667, 603]. **License** [407]. **Life** [804, 504, 503, 736, 505, 670, 720, 455]. **Light** [782]. **like** [121]. **Likelihood** [535, 286, 414]. **Limit** [651]. **Limitations** [111]. **Limits** [32, 513, 651]. **Lindley** [178, 276, 223]. **Lineage** [143, 783]. **Lineages** [143]. **Liouville** [82]. **Lisa** [756]. **Literal** [614]. **Little** [130]. **Local** [67]. **Localization** [175, 242]. **Logarithmic** [724]. **Logic** [126, 80, 702]. **Logics** [726]. **Longino** [122]. **Look** [126, 353]. **Looking** [234]. **Loops** [769]. **Loose** [500]. **Lorraine** [541]. **Love** [74]. **Lunch** [584].

M [271]. **Mach** [9]. **Macrobehavior** [346]. **Macroeconomics** [392]. **Magnetic** [422]. **Maintenance** [418]. **Make** [802]. **Makers** [599]. **Makes** [104, 409, 167]. **Making** [547, 592, 553]. **Malament** [138]. **Manage** [680]. **Manifold** [253]. **Manipulability** [214, 444]. **Manual** [488]. **Many** [148, 240, 115]. **Mapping** [198]. **Mappings** [688]. **Marc** [10]. **Marcel** [578]. **Margaret** [486]. **Mark** [666]. **Markets** [343]. **Markov** [559]. **Marr** [27]. **Martín** [631]. **Martinez** [632]. **Mass** [521, 616]. **Masthead** [466, 476, 531, 542, 555, 568, 579, 580, 623, 633, 644, 657, 668, 707, 719, 732, 742, 757, 758]. **Matching** [481]. **Material** [235, 747, 768]. **Mathematical** [591]. **Mathematics** [486, 62, 198, 156, 293]. **Matter** [278, 239, 761, 425, 455, 58]. **Matters** [218, 332, 424, 117, 564, 311]. **Matthewson** [234]. **Maudlin** [282]. **Maximally** [722]. **Maxwell** [82, 637, 451, 309]. **Mayo** [717]. **Mayo-Wilson** [717]. **Mazviita** [487]. **McGrew** [10]. **McKaughan** [484]. **Meanings** [538]. **Measure** [197, 708, 517, 209]. **Measurement** [402, 578, 486, 769, 220, 586, 157]. **Measurements** [222]. **Measures** [538, 354, 585, 411, 267]. **Measuring** [385, 14]. **Mechanical** [207].

Mechanics [136, 168, 8, 753, 68, 365, 209, 620, 667, 308]. **Mechanism** [689, 604, 194, 102, 170, 763, 238]. **Mechanisms** [92, 659, 804, 269, 514, 19, 189, 429, 422, 444, 516, 369]. **Mechanistic** [120, 401, 493, 515, 132, 526, 762, 235, 400, 567, 431]. **Medical** [381, 250, 553, 681]. **Medicine** [334, 789, 184]. **Medium** [17]. **Meet** [768]. **Meets** [79]. **Melo** [631]. **Memes** [363]. **Memory** [696]. **Mendeleev** [802]. **Mental** [666]. **Mereological** [57]. **Message** [17]. **Meta** [672, 584]. **Meta-induction** [584]. **Meta-Research** [672]. **Metainductive** [773]. **Metaphysical** [394, 808]. **Metaphysically** [237]. **Metaphysics** [667, 478, 387, 364, 407, 311]. **Method** [500, 309, 193]. **Methodological** [352, 316, 430, 677]. **Methodologies** [624]. **Methodology** [459]. **Methods** [327, 328, 415]. **Metric** [100]. **Michael** [717, 485, 183]. **Micro** [112]. **Micro-Ontology** [112]. **Microbial** [455]. **Microfoundations** [392]. **Microscopes** [695]. **Microscopic** [437]. **Microstructure** [305]. **Mill** [43]. **Mind** [678, 152, 491, 453, 621]. **Mindreading** [380]. **Minds** [424]. **Minimal** [288, 403, 366]. **Minimizing** [15]. **Miracles** [4]. **Misleading** [767]. **Mismeasure** [795]. **Missing** [602, 529]. **Mitchell** [103]. **Mixed** [765, 60]. **Mixed-Effects** [765]. **Mixed-Level** [60]. **Mobile** [89]. **Modal** [302]. **Modality** [785]. **Model** [288, 538, 41, 515, 292, 737, 366, 472, 746, 511, 155, 422, 582, 530, 702, 421, 94]. **Model-Based** [511, 422]. **Model/World** [155]. **Modeling** [676, 645, 660, 765, 514, 99, 513, 235, 206, 156, 315, 492, 157]. **Models** [344, 52, 494, 236, 403, 234, 233, 486, 63, 764, 405, 386, 66, 781, 64, 195, 351, 87, 317, 154]. **Modest** [626]. **Modularity** [196, 677, 709]. **Molecular** [689, 786, 687, 118]. **Molecules** [801]. **Monism** [73]. **Monism/Pluralism** [73]. **Monist** [497]. **Monophyly** [40]. **Moral** [425]. **Morality** [510]. **Morrison** [486]. **Most** [547, 447]. **Motion** [614]. **Motivated** [767]. **Motivation** [618]. **Movements** [779]. **Moving** [196]. **Much** [478, 529, 761]. **Muller** [418]. **Multidimensional** [143, 625]. **Multigenerational** [506]. **Multilayer** [495]. **Multilevel** [304, 143, 319]. **Multilineal** [506]. **Multiple** [262, 24, 775, 234, 785]. **Multiple-Models** [234]. **Multiverse** [357]. **Mushroom** [607]. **Mutual** [583]. **Myopia** [236]. **Myth** [251]. **Myths** [549].

Nagel [94]. **Nagelian** [94]. **Nanay** [182]. **Narrative** [763]. **Nash** [227]. **Natural** [678, 604, 102, 625, 140, 35, 73, 263, 394, 33, 291, 734, 808]. **Naturalism** [135, 74]. **Naturalist** [560, 74]. **Nature** [124, 104, 19, 244, 281, 394, 88, 808]. **Neander** [666]. **Necessary** [237]. **Ned** [358]. **Need** [391, 777, 245, 66]. **Needs** [673]. **Negative** [160]. **Neo** [75]. **Neo-Kantian** [75]. **Neolithic** [377]. **Network** [196, 494, 172, 495, 709]. **Network-Oriented** [172]. **Networks** [546, 344, 324, 363, 545]. **Neural** [270, 326, 709, 492, 791]. **Neurobiology** [55]. **Neuroeconomics** [275]. **Neuroimaging** [331]. **Neuropsychology** [134]. **Neuroscience** [609, 249, 24, 134, 351, 297]. **Neutral** [660, 688]. **Newcomer** [73]. **Newton** [309, 193, 43, 521, 207, 176, 587, 451]. **Newtonian**

[138, 572, 41, 521, 616, 340]. **Next** [297]. **Nicholson** [729]. **Nijhout** [87]. **Nina** [754]. **Ninetieth** [306]. **NJ** [756]. **No** [249, 4, 403, 787, 380, 350, 745, 107, 46, 261, 584, 632, 643]. **No-Go** [261]. **Noise** [47, 48]. **Nominalism** [61]. **Non** [41]. **Non-Newtonian** [41]. **Nonadditive** [509]. **Nonarbitrary** [625]. **Noncausal** [346, 497, 213]. **Nonepistemic** [262, 539, 723]. **Nonexplanatory** [153]. **Nonhuman** [380]. **Nonmodular** [215]. **Nonreductive** [765]. **Nonrelativistic** [68]. **Nonrepresentationally** [233]. **Norms** [503, 162]. **Norton** [43, 45]. **Novel** [126, 348, 376]. **Novelty** [600]. **Null** [660, 424, 223]. **Numerical** [415].

Object [149, 634]. **Objection** [790, 601]. **Objective** [560, 14, 15]. **Objectivity** [679, 200, 789]. **Objects** [611, 257]. **Obligations** [408]. **Observables** [619]. **Observation** [200, 810, 148, 367]. **Occam** [786, 477]. **Ockham** [488, 192]. **Off** [586, 234]. **Old** [393, 629, 671, 556, 376]. **Omissions** [526]. **One** [391, 462, 478, 148, 107, 556, 227, 280]. **One-Dimensional** [227]. **Only** [74, 311]. **Ontological** [170]. **Ontologies** [77]. **Ontology** [667, 278, 172, 49, 112, 201]. **Open** [430]. **Operation** [689, 67]. **Operationalizing** [248]. **Opinion** [441]. **Opinions** [722]. **Opposed** [311]. **Optimal** [378, 79]. **Optimality** [584, 449, 591]. **Optimizing** [377]. **Option** [449]. **Optogenetic** [696]. **Optogenetics** [695, 697]. **Ordinary** [151]. **Organic** [259]. **Organismic** [426]. **Organisms** [323]. **Organization** [725, 189, 111]. **Organizational** [605]. **Orgulity** [204]. **Oriented** [172]. **Ostwald** [56]. **Outcome** [585]. **Outcomes** [120]. **Overlooked** [334]. **Overrated** [766]. **Owen** [643]. **Oxford** [667, 640, 641].

Packages [154]. **Pain** [270, 121, 473]. **Palmarini** [33]. **paper** [667]. **Paradigm** [361]. **Paradox** [2, 306, 181, 266, 276, 260, 223, 136, 454, 178]. **Paribus}** [34, 638]. **Parity** [90]. **Partial** [601]. **Particle** [77, 395, 807]. **Partly** [37]. **Parts** [257]. **Path** [312]. **Pathway** [658]. **Pattern** [195]. **Patterns** [51, 588, 49]. **Paul** [358, 294, 271, 281]. **Payoffs** [509]. **Peculiar** [702]. **Peer** [164, 442]. **Peircean** [399]. **Perception** [792]. **Perceptual** [795, 321, 487]. **Performance** [248]. **Periodic** [802]. **Permutation** [77]. **Perpetuum** [89]. **Persistence** [150]. **Person** [328]. **Perspectival** [645]. **Perspective** [304, 305, 196, 503, 13, 746, 408, 756, 455]. **Perspectives** [654]. **Perspectivism** [498]. **Pessimism** [704]. **Peter** [667, 104, 309, 140, 396]. **Pettigrew** [640, 129]. **Phase** [57, 744, 260]. **Phenomena** [611, 513, 461, 458, 50, 48]. **Phenomenal** [328, 329]. **Philip** [272]. **Philosophical** [656, 139, 11, 152, 740, 173]. **Philosophy** [18, 123, 203, 643, 359, 184, 803, 174, 183, 294, 809, 348, 810, 367, 207, 75, 9, 283, 685, 740, 455, 291, 814, 729, 384, 396, 282, 10, 718, 487, 284, 373, 465, 554, 642, 731, 382]. **Phonetic** [725]. **Phylogenetics** [429]. **Phylogeny** [143]. **Physical** [56, 566, 271, 798, 201, 567]. **Physically** [97]. **Physics** [76, 811, 437, 112, 395, 365, 282, 98, 807, 371]. **Piatelli** [33]. **Piatelli-Palmarini** [33]. **Piccinini** [567]. **Pick** [634]. **Picking** [586].

Piecewise [286]. **Pills** [447]. **Pincock** [293]. **Placebos** [447]. **Plasticity** [322]. **Plato** [271]. **Platonism** [61]. **Plausible** [202]. **Pluralism** [73, 784, 697, 122]. **Pluralist** [440]. **Plurality** [606]. **Poincaré** [296]. **Point** [638]. **Polarization** [538]. **Policies** [680]. **Policy** [174, 814, 167, 384, 103]. **Political** [147]. **Polling** [441]. **Pollution** [130]. **Pool** [773]. **Population** [314, 782, 317]. **Populations** [304, 313, 361, 140, 502]. **Portable** [171]. **Positive** [532]. **Positivist** [459]. **Possibility** [763]. **Possible** [387]. **Possibly** [398]. **Post** [244]. **Post-essentialist** [244]. **Potential** [612]. **Potochnik** [741]. **Power** [354, 494, 126, 160, 80, 649]. **pp** [667, 640, 641, 756]. **Practical** [274, 432]. **Practice** [7, 539, 427, 381, 743, 283]. **Practices** [778, 530]. **Pragmatic** [225, 469, 714, 458]. **Pragmatist** [374, 569]. **Prairie** [485]. **Precaution** [166]. **Precautionary** [384, 814]. **Precise** [223]. **Predicting** [174, 64]. **Prediction** [477]. **Predictions** [441, 802]. **Preface** [141, 759, 581, 669, 36, 397, 489, 212, 310]. **Preferences** [663, 459]. **Preferential** [226]. **Preparative** [131]. **Presentism** [254]. **Presidential** [743]. **Press** [667, 640, 641]. **Primitive** [201]. **Principal** [518, 478, 517]. **Principia** [176]. **Principle** [518, 519, 384, 478, 241, 521, 20, 419, 8, 517, 814, 684, 575, 208]. **Principles** [535]. **Priority** [72]. **Privilege** [299]. **Pro** [9]. **Probabilism** [113]. **Probabilist** [448]. **Probabilistic** [714, 326]. **Probabilities** [64]. **Probability** [142, 561, 96, 258, 469, 188, 368, 209, 815, 12, 587]. **Problem** [32, 595, 602, 197, 767, 482, 380, 393, 416, 614, 772, 445, 617, 795, 137, 152, 582, 330, 336, 376, 748]. **Problems** [249, 102]. **Process** [504, 70, 71]. **Processes** [689, 431, 301]. **Processing** [454]. **Processual** [729]. **Producing** [22]. **Progress** [750, 697, 423]. **Projections** [529]. **Promising** [32]. **Proper** [256]. **Properly** [406]. **Properties** [190, 58]. **Property** [632, 161, 593]. **Prospects** [170]. **Prosser** [755]. **Prosthetic** [52]. **Proto** [684]. **Proto-Inertial** [684]. **Provide** [263]. **PSA** [743]. **Psychiatric** [780, 423]. **Psychological** [329, 794, 694, 173]. **Psychology** [548, 796]. **Psychometric** [164]. **Psychophysical** [327]. **Public** [673]. **Punishment** [449]. **Pursuit** [776, 399]. **Push** [127]. **Put** [82]. **Putting** [571, 496]. **Puzzle** [95, 487]. **Puzzles** [410].

qua [167]. **Quanta** [435]. **Quantification** [65]. **Quantities** [406]. **Quantization** [628]. **Quantum** [667, 357, 190, 370, 177, 256, 308, 398, 806, 278, 801, 168, 259, 210, 200, 436, 629, 8, 115, 437, 257, 68, 549, 365, 67, 620, 667, 308, 114]. **Question** [701]. **Questions** [715]. **Quine** [295].

Rabbit [746]. **Race** [151, 337, 338, 364, 216, 336]. **Racism** [548]. **Radical** [128, 163, 336]. **Randomness** [716, 110]. **Ranking** [139]. **Ratchet** [418]. **Rate** [793, 31]. **Rate-Distortion** [793]. **Rates** [205]. **Rational** [627, 377, 227]. **Rationality** [563]. **Ravens** [266]. **Raynaud** [756]. **Razor** [192, 786, 477]. **Razors** [488]. **Reaction** [503]. **Reading** [394, 808]. **Real**

[588, 75]. **Realism**
[51, 498, 703, 4, 769, 337, 154, 83, 289, 61, 704, 73, 792, 409, 597, 186].
Realism/Antirealism [73]. **Reality** [330, 486, 115]. **Realizability** [785].
Realization [24]. **Really** [663, 185, 19, 662, 545]. **Reasonable** [97].
Reasoning [577, 399, 594, 721]. **Reasons** [715, 590]. **Reassessing** [108, 213].
Rebut [651]. **Received** [347]. **Receiver** [323]. **Recognition** [510].
Recombination [235]. **Recommendations** [444]. **Reconceived** [5].
Reconceiving [85]. **Reconsidering** [114]. **Reconstructing** [486].
Reconstruction [143]. **Recover** [434]. **Recovering** [635]. **Recovery** [635].
Reduced [800]. **Reduction** [770, 744, 94, 718]. **Reductionism**
[654, 711, 392, 651, 238]. **Redundancy** [791]. **Redux** [197]. **Reexamination**
[306]. **Referees** [18, 123, 203, 284, 373, 465, 554, 642, 731]. **Reference**
[576, 30, 187, 405, 246, 453, 58, 311]. **Reflect** [723]. **Reflection**
[180, 199, 133]. **Reflections** [541]. **Regarding** [482]. **Region** [172]. **Region-**
[172]. **Regress** [221]. **Regularities** [92, 213]. **Regularity** [616, 188].
Regulatory [324, 631]. **Rehabilitating** [789]. **Reinforcement** [417].
Relation [791, 524]. **Relational** [404]. **Relations** [435, 155]. **Relationship**
[635]. **Relativistic** [278, 68, 67]. **Relativity** [521, 433, 614, 138, 464, 252].
Relevance [214, 155, 675, 227]. **Reliability** [155]. **Reliable** [810, 367].
Remarks [280]. **Remedying** [779]. **Renormalization**
[636, 703, 437, 345, 704, 346]. **Repackaging** [106]. **Replace** [19].
Replicability [600]. **Replication** [766, 736]. **Reply**
[182, 366, 754, 137, 556, 209, 752]. **Report** [248]. **Reported** [428].
Representation [595, 126, 596, 536, 792, 55, 315, 293]. **Representational**
[402, 727]. **Representations** [563, 793, 78]. **Representing** [674, 269, 458].
Reproduction [788, 313, 503, 506]. **Reproductive** [532]. **Requirement**
[570]. **Rescuing** [133]. **Research**
[659, 147, 679, 611, 672, 352, 501, 163, 164, 319, 681, 274, 173, 630].
Resemblance [330]. **Resilience** [53]. **Resituating** [335]. **Resolves** [314].
Resonance [422]. **Resource** [472]. **Response** [601, 87]. **Responsible** [11].
Responsiveness [603]. **Rest** [332]. **Result** [261]. **Results** [160, 721].
Rethinking [176, 246, 438]. **Reuse** [324, 671, 709, 791]. **Revealing** [162].
Reversal [549]. **Reversals** [745]. **Review**
[540, 667, 656, 488, 357, 273, 359, 383, 718, 371, 184, 741, 370, 122, 308, 577,
382, 114, 755, 130, 183, 307, 296, 384, 294, 566, 104, 666, 309, 210, 717, 578,
295, 139, 486, 271, 367, 297, 11, 164, 442, 154, 369, 115, 138, 640, 358, 9, 103,
193, 140, 396, 485, 283, 553, 395, 281, 368, 455, 567, 282, 394, 456, 10, 655,
641, 729, 293, 730, 272, 474, 541, 487, 756, 456]. **Revising** [559]. **Revisited**
[7, 379]. **Revisiting** [733]. **Revolution** [297]. **Revolutions** [26, 541].
Reward [600]. **Rice** [366]. **Richard** [640]. **Richards** [541]. **Richer** [563].
Risk [739, 646, 713, 231, 631, 413, 79, 333, 166, 3, 230, 479]. **Road** [26].
Robert [541]. **Robust** [22, 352, 125]. **Robustness**
[603, 609, 159, 63, 166, 557]. **Role** [142, 334, 147, 234, 683, 55, 110, 492].
Roles [91, 763]. **Rosalind** [108]. **Route** [437]. **Ruetsche** [210]. **Rule**

[320, 57, 509]. **Rule-Following** [320]. **Rules** [45, 46, 44, 267]. **Ruse** [183]. **Ryoichi** [9].

s [375, 597]. **Sabina** [656]. **Sahotra** [283]. **Sameness** [613, 119]. **San** [54]. **Sandra** [103]. **Sarkar** [283, 356]. **Satisfaction** [342]. **Saunders** [115, 451]. **Saving** [50]. **Say** [799]. **Scale** [690, 795]. **Schaffner** [641]. **Scholes** [485, 702]. **Schupbach** [354]. **Science** [149, 18, 123, 203, 643, 718, 231, 665, 147, 398, 777, 151, 91, 229, 262, 384, 775, 104, 348, 573, 578, 680, 443, 673, 162, 75, 165, 103, 685, 412, 62, 740, 407, 360, 600, 647, 444, 601, 814, 682, 530, 10, 541, 487, 421, 808, 578, 272, 756, 741, 281, 730, 284, 373, 465, 554, 642, 731, 394]. **Sciences** [804, 512, 611, 131, 736, 670, 740, 720, 242, 491]. **Scientific** [29, 161, 595, 674, 565, 391, 713, 51, 150, 296, 7, 539, 703, 108, 116, 309, 13, 779, 427, 93, 614, 404, 499, 193, 83, 596, 289, 496, 61, 497, 26, 360, 750, 409, 293, 743, 541, 122, 717, 756]. **Scientific/Intellectual** [779]. **Scientist** [11, 671, 167]. **Scientists** [307, 232]. **Scoring** [724, 267]. **Search** [226, 378, 325, 804, 369]. **Second** [126]. **Seeing** [810, 367]. **Seeks** [107]. **Segments** [725]. **Segregation** [107]. **Selected** [562]. **Selection** [547, 604, 102, 182, 350, 598, 726, 508, 658, 35, 263, 33, 87, 734, 140]. **Selective** [289, 597]. **Semantic** [29, 191, 202, 727, 280]. **Semantically** [72]. **Semantics** [748]. **Semmelweis** [251]. **Sender** [323]. **Sender-Receiver** [323]. **Sense** [104, 194, 247]. **Sensitivity** [197, 411]. **Separability** [613]. **Separating** [696]. **Sequential** [250]. **Serious** [158]. **Setsuko** [9]. **Seventeenth** [238]. **Seventeenth-Century** [238]. **Severe** [331]. **Sex** [680]. **Sexuality** [307]. **Shape** [329]. **Share** [573]. **Shared** [270]. **Sharing** [161]. **Shattering** [251]. **Shifting** [807, 395]. **Should** [799, 501, 152, 813, 178, 641]. **Signal** [48]. **Signaling** [390, 603, 325, 470, 290, 326]. **Significance** [222, 452]. **Silva** [297]. **Similarity** [760, 158, 485]. **Simon** [755, 115]. **Simple** [208]. **Simplicity** [676]. **Simplification** [676]. **Simulation** [485]. **Simulations** [206, 299]. **since** [26]. **Single** [22]. **Singularities** [339]. **Singularity** [340]. **Size** [329]. **Skepticism** [584, 285]. **Sleeping** [468]. **Small** [333, 455]. **Smart** [563]. **Smith** [140, 396]. **Sober** [488, 182]. **Social** [507, 512, 7, 444, 630]. **Societal** [665]. **Society** [272]. **Socio** [756]. **Socio-Historical** [756]. **Solomonoff** [477]. **Solution** [2, 393, 266, 336, 376, 221]. **Solutions** [550, 748]. **Solvay** [114]. **Solve** [32]. **Some** [532, 688, 501, 746, 98]. **Sometimes** [355]. **Space** [278, 97, 339, 463, 615, 253, 282, 451, 273]. **Space-Time** [97, 339]. **Space-Times** [253]. **Spaces** [96, 688]. **Spacetime** [81, 705]. **Spatially** [513]. **Spatially-Structurally** [513]. **Special** [595, 380]. **Specially** [434]. **Species** [37, 312, 781, 782]. **Specificity** [385, 761, 564]. **Specious** [6]. **Speech** [775, 725, 693]. **Spin** [655]. **Spin-Statistics** [655]. **Spite** [510]. **Spohn** [139, 752, 751]. **Spontaneous** [168, 483]. **Spots** [793]. **Sprenger** [354]. **Springs** [386]. **Stability** [738]. **Stabilization** [491]. **Stable** [599, 593, 632]. **Stag** [449]. **Stand** [315]. **Stand-Ins** [315]. **Standard** [311]. **Standards** [626, 395, 807]. **Stanford** [408]. **Statement** [2]. **Statistical** [136, 190, 168, 604, 185, 753, 582, 205, 209, 586]. **Statistics** [655, 145]. **Steel**

[384]. **Stellar** [73]. **Stem** [241]. **Stephen** [122]. **Steven** [383]. **Still** [728, 445]. **Stochastic** [738]. **Stotz** [294]. **Strategies** [309, 687, 335, 319, 681, 242, 773, 315]. **Strategy** [234, 449]. **Strength** [449]. **String** [433, 181]. **Structural** [439]. **Structurally** [513]. **Structure** [661, 760, 108, 234, 13, 525, 26, 720, 100, 464, 815, 541, 368]. **Structured** [653]. **Structures** [219]. **Studies** [779, 148, 335]. **Study** [147, 526, 772, 656]. **Studying** [307]. **Stuff** [273]. **Style** [393, 571, 54]. **Subjective** [248]. **Substance** [59]. **Substantial** [737]. **Substrate** [270]. **Success** [532, 499]. **Successful** [226, 289]. **Sufficient** [460]. **Sugar** [447]. **Superselection** [190]. **Supervenience** [770]. **Supply** [638]. **Support** [286]. **Supporting** [28]. **Supports** [180]. **Sure** [12]. **Survival** [788]. **Survives** [86]. **Sweet** [793]. **Symmetries** [661, 737, 799, 341, 524, 620]. **Symmetry** [81, 168, 483, 77, 452, 635]. **Syntactic** [202]. **Synthesizing** [665]. **Synthetic** [235]. **System** [802, 600, 749]. **Systematicity** [281]. **Systematics** [144]. **Systems** [177, 483, 323, 786, 687, 343, 206, 746, 345, 319, 686, 589, 78]. **Szilard** [89].

T [9]. **Takes** [43]. **Taking** [651]. **Tale** [171, 681, 784]. **Tales** [499]. **Talk** [417, 500]. **Tanaka** [9]. **Tapestry** [730]. **Targets** [289]. **Tarski** [295]. **Task** [248]. **Taxa** [40]. **TBD** [163]. **Teaching** [348]. **Technique** [22]. **Teleological** [735]. **Teleosemantics** [318, 666]. **Tell** [661, 66]. **Temperature** [100]. **Temporal** [257, 705]. **Tension** [77]. **Terms** [343, 152]. **Tested** [446]. **Testing** [344, 609, 413, 247, 31, 223]. **Tests** [331]. **Their** [632, 101, 593]. **Themes** [146]. **Theorem** [536, 584, 82]. **Theorems** [126]. **Theoretic** [517]. **Theoretical** [191, 381, 596]. **Theories** [226, 613, 787, 191, 116, 13, 446, 287, 614, 289, 27, 453, 173, 210]. **Theory** [302, 739, 357, 190, 544, 450, 275, 308, 114, 806, 278, 801, 775, 168, 562, 131, 259, 550, 402, 258, 139, 433, 629, 30, 115, 437, 772, 206, 187, 270, 201, 726, 283, 79, 509, 747, 426, 412, 62, 662, 639, 68, 374, 497, 549, 247, 556, 434, 444, 589, 263, 475, 78, 768, 42, 453, 67, 58, 414, 370, 138]. **Theory-Ladenness** [412]. **Therapies** [672]. **There** [595, 787, 380, 350, 445, 735, 46, 346, 497, 87]. **Thermodynamics** [56, 261, 58, 622]. **Thesis** [179, 428, 90]. **Thick** [72]. **Thing** [12]. **Things** [810, 367, 265, 455]. **Thinking** [682, 144, 311]. **Thomas** [717]. **Thought** [683]. **Threaten** [529]. **Three** [499, 549, 585]. **Thresholds** [723]. **Thumper** [746]. **Tickets** [776]. **Tim** [540, 282]. **Time** [273, 278, 482, 670, 652, 97, 339, 463, 523, 615, 255, 549, 279, 301, 359, 282, 755]. **Times** [253, 451]. **Timescales** [670]. **Timothy** [10]. **Timpson** [308]. **Today** [50]. **Tolerance** [20]. **Top** [546]. **Top-Down** [546]. **Topics** [138]. **Topological** [688]. **Topologists** [566]. **Topology** [253]. **Tossing** [728]. **Total** [570, 286]. **Toxicology** [631]. **Tracing** [70, 71]. **Tracking** [689]. **Trade** [234]. **Trade-off** [234]. **Tragedy** [161]. **trans** [756]. **Transaction** [756]. **Transfer** [390]. **Transitions** [744, 260]. **Transitive** [460]. **Translation** [770]. **Trautman** [635]. **Treatment** [761]. **Tree** [144]. **Trees** [143]. **Trials** [446, 250]. **Triangulation** [461]. **Trouble** [453]. **Truism** [520].

Trumps [716]. **Truth** [192, 387]. **Truth-Finding** [192]. **Truths** [103]. **Tumors** [333]. **Tuning** [570, 530]. **Turn** [405]. **Turning** [193]. **Twentieth** [395, 807]. **Twice** [391]. **Two** [507, 391, 126, 154, 764, 784, 280]. **Tychomancy** [815, 368]. **Types** [606]. **Typicality** [169, 617].

UKCP09 [236]. **Unacceptable** [4]. **Uncertainties** [65]. **Uncertainty** [241]. **Unconceived** [408]. **Underdetermination** [231, 776, 220]. **Undermine** [90]. **Understand** [638]. **Understanding** [538, 673, 106, 215, 700, 495, 452, 522, 317, 643]. **Unfolding** [535]. **Unification** [664, 436, 537, 556]. **Unified** [292]. **Uniformitarianism** [409]. **Unimaginable** [746]. **Unit** [574]. **Units** [325, 506]. **Unity** [500, 35, 291, 491]. **Universal** [46, 346, 44]. **Universality** [636, 800, 252]. **Universals** [271]. **Universe** [462, 797]. **University** [667, 640, 641]. **Unreal** [619]. **Unsimple** [103]. **Updating** [300, 129, 224]. **Usable** [151]. **Use** [142, 146, 670, 240]. **Used** [802]. **Usefulness** [311]. **User** [488, 358]. **Using** [546, 405, 601, 479]. **Utility** [569, 708, 771].

Vacuum [614]. **Valentini** [114]. **Valid** [527]. **Validation** [527, 677]. **Validity** [445, 796]. **Valuable** [388]. **Value** [228, 714, 789, 802, 167, 274, 479, 448]. **Value-Free** [479]. **Values** [692, 231, 665, 776, 228, 91, 229, 262, 539, 723, 360, 601, 3, 230, 682, 730, 630, 646]. **Variable** [95]. **Variation** [512]. **Variations** [146]. **Varieties** [118]. **Variety** [179]. **Variety-of-Evidence** [179]. **Vectors** [326]. **Ventriloquism** [680]. **Veridicality** [454]. **versus** [737, 168, 286, 172, 753, 599, 614, 28, 600, 621, 620]. **via** [699]. **Viability** [529]. **Vices** [600]. **View** [41, 191, 202, 440, 347, 399, 86, 145, 280]. **Views** [214]. **Vignemont** [270]. **Vindicated** [695]. **Violations** [218]. **Virtue** [75]. **Virtues** [600]. **Vision** [498]. **Visual** [576]. **Visualization** [108]. **Vivo** [315]. **vol** [632]. **Voles** [485]. **Volterra** [575]. **Vulnerable** [31].

Wallace [115]. **Walsh** [25]. **War** [43]. **Warming** [66]. **Was** [74]. **Waters** [122]. **Way** [728]. **Weak** [435]. **Weakly** [449]. **Weatherall** [643]. **Weisberg** [717, 234, 485]. **Well** [149]. **Well-Being** [149]. **Were** [532]. **Westermarck** [733]. **Where** [265, 586]. **Whewell** [43]. **Which** [519, 425, 564]. **Who** [178]. **Whose** [64]. **Wilhelm** [56]. **Will** [174]. **William** [790, 193, 152]. **Williamson** [728]. **Wilson** [717]. **Wishful** [682]. **within** [323]. **without** [689, 305, 313, 478, 34, 45, 318, 156, 144, 58]. **Wolfgang** [139, 752, 751]. **Woodward** [214, 444, 213, 752]. **Words** [72]. **Work** [174, 728]. **World** [47, 155, 244, 104]. **Worlds** [387, 115]. **Worries** [170]. **Worrying** [500]. **Would** [683]. **Wright** [142]. **Wrong** [39, 33].

xiii [641]. **xxii** [756].

York [641].

Zealotry [646]. **Zeno** [306]. **Zero** [258]. **ZFEL** [41].

References

Davey:2009:WGC

[1] Kevin Davey. What is Gibbs's canonical distribution? *Philosophy of Science*, 76(5):970–983, December 2009. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/605793. See reply [209].

Crupi:2010:ICS

[2] Vincenzo Crupi and Katya Tentori. Irrelevant conjunction: Statement and solution of a new paradox. *Philosophy of Science*, 77(1):1–13, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/650205.

Steel:2010:EVA

[3] Daniel Steel. Epistemic values and the argument from inductive risk. *Philosophy of Science*, 77(1):14–34, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/650206.

Frost-Arnold:2010:NMA

[4] Greg Frost-Arnold. The no–miracles argument for realism: Inference to an unacceptable explanation. *Philosophy of Science*, 77(1):35–58, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/650207.

Potochnik:2010:LER

[5] Angela Potochnik. Levels of explanation reconceived. *Philosophy of Science*, 77(1):59–72, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/650208.

Barker:2010:SI

[6] Matthew J. Barker. Specious intrinsicalism. *Philosophy of Science*, 77(1):73–91, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/650209.

Fagan:2010:SCR

[7] Melinda B. Fagan. Social construction revisited: Epistemology and scientific practice. *Philosophy of Science*, 77(1):92–116, January 2010. CODEN

PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/650210`.

Ladyman:2010:PII

[8] James Ladyman and Tomasz Bigaj. The principle of the identity of indiscernibles and quantum mechanics. *Philosophy of Science*, 77(1):117–136, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/650211`.

Michael:2010:BRJ

[9] John Michael and Friedrich Stadler. Book review: John T. Blackmore, Ryoichi Itagaki and Setsuko Tanaka (eds.): *Ernst Mach's Philosophy Pro and Con*. *Philosophy of Science*, 77(1):137–140, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/650212`.

Swan:2010:BRT

[10] Liz Stillwaggon Swan. Book review: Timothy McGrew, Marc Alspector-Kelly and Fritz Allhoff (eds.): *Philosophy of Science: An Historical Anthology*. *Philosophy of Science*, 77(1):141–143, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/650213`.

Kourany:2010:BRJ

[11] Janet Kourany. Book review: John Forge: *The Responsible Scientist: A Philosophical Inquiry*. *Philosophy of Science*, 77(1):143–146, January 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/650214`.

Walsh:2010:STF

[12] Denis M. Walsh. Not a sure thing: Fitness, probability, and causation. *Philosophy of Science*, 77(2):147–171, April 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/651320`.

Henderson:2010:SDS

[13] Leah Henderson, Noah D. Goodman, Joshua B. Tenenbaum, and James F. Woodward. The structure and dynamics of scientific theories: A hierarchical Bayesian perspective. *Philosophy of Science*, 77(2):172–200, April 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/651319`.

Leitgeb:2010:OJBa

[14] Hannes Leitgeb and Richard Pettigrew. An objective justification of Bayesianism I: Measuring inaccuracy. *Philosophy of Science*, 77(2):201–235, April 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/651317.

Leitgeb:2010:OJBb

[15] Hannes Leitgeb and Richard Pettigrew. An objective justification of Bayesianism II: The consequences of minimizing inaccuracy. *Philosophy of Science*, 77(2):236–272, April 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/651318.

Weslake:2010:ED

[16] Brad Weslake. Explanatory depth. *Philosophy of Science*, 77(2):273–294, April 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/651316.

Kulvicki:2010:KIM

[17] John Kulvicki. Knowing with images: Medium and message. *Philosophy of Science*, 77(2):295–313, April 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/651321.

Anonymous:2010:RPS

[18] Anonymous. Referees for philosophy of science. *Philosophy of Science*, 77(2):314, April 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/651730.

Leuridan:2010:CMR

[19] Bert Leuridan. Can mechanisms really replace laws of nature? *Philosophy of Science*, 77(3):317–340, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652959.

Hudson:2010:CPT

[20] Robert Hudson. Carnap, the principle of tolerance, and empiricism. *Philosophy of Science*, 77(3):341–358, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652960.

Spanos:2010:DAC

[21] Aris Spanos. The discovery of argon: A case for learning from data? *Philosophy of Science*, 77(3):359–380, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652961.

Gandenberger:2010:PRB

[22] Gregory Stephen Gandenberger. Producing a robust body of data with a single technique. *Philosophy of Science*, 77(3):381–399, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652962.

Shapiro:2010:JBB

[23] Lawrence Shapiro. James bond and the barking dog: Evolution and extended cognition. *Philosophy of Science*, 77(3):400–418, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652963.

Figdor:2010:NMR

[24] Carrie Figdor. Neuroscience and the multiple realization of cognitive functions. *Philosophy of Science*, 77(3):419–456, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652964.

Northcott:2010:WCE

[25] Robert Northcott. Walsh on causes and evolution. *Philosophy of Science*, 77(3):457–467, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652965.

Reydon:2010:DKE

[26] Thomas A. C. Reydon and Paul Hoyningen-Huene. Discussion: Kuhn's evolutionary analogy in the structure of scientific revolutions and *"The Road since Structure"*. *Philosophy of Science*, 77(3):468–476, July 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/652966.

Shagrir:2010:MCL

[27] Oron Shagrir. Marr on computational-level theories. *Philosophy of Science*, 77(4):477–500, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656005.

Norton:2010:CCS

[28] John D. Norton. Cosmic confusions: Not supporting versus supporting not. *Philosophy of Science*, 77(4):501–523, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/661504`.

Andreas:2010:SHS

[29] Holger Andreas. Semantic holism in scientific language. *Philosophy of Science*, 77(4):524–543, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656007`.

Kuukkanen:2010:KEC

[30] Jouni-Matti Kuukkanen. Kuhn on essentialism and the causal theory of reference. *Philosophy of Science*, 77(4):544–564, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656008`.

Spanos:2010:FTV

[31] Aris Spanos. Is frequentist testing vulnerable to the base-rate fallacy? *Philosophy of Science*, 77(4):565–583, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656009`.

Arnold:2010:CBA

[32] Eckhart Arnold. Can the best-alternative justification solve Hume's problem? On the limits of a promising approach. *Philosophy of Science*, 77 (4):584–593, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656010`.

Sober:2010:NSC

[33] Elliott Sober. Natural selection, causality, and laws: What Fodor and Piatelli-Palmarini got wrong. *Philosophy of Science*, 77(4):594–607, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656020`.

Gildenhuys:2010:CEC

[34] Peter Gildenhuys. Causal equations without *Ceteris Paribus* clauses. *Philosophy of Science*, 77(4):608–632, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656021`.

Roszkowski:2010:NSU

[35] Adela Helena Roszkowski. Natural selection and the unity of functional analyses. *Philosophy of Science*, 77(4):633–645, October 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656022`.

Richardson:2010:P

[36] Alan Richardson. Preface. *Philosophy of Science*, 77(5):647, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/657990`.

Devitt:2010:SPI

[37] Michael Devitt. Species have (partly) intrinsic essences. *Philosophy of Science*, 77(5):648–661, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656820`.

Rieppel:2010:NEB

[38] Olivier Rieppel. New essentialism in biology. *Philosophy of Science*, 77 (5):662–673, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656539`.

Ereshefsky:2010:WWN

[39] Marc Ereshefsky. What's wrong with the new biological essentialism. *Philosophy of Science*, 77(5):674–685, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656545`.

Boyd:2010:HHT

[40] Richard Boyd. Homeostasis, higher taxa, and monophyly. *Philosophy of Science*, 77(5):686–701, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656551`.

Brandon:2010:NNN

[41] Robert N. Brandon. A non-Newtonian Newtonian model of evolution: The ZFEL view. *Philosophy of Science*, 77(5):702–715, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/656901`.

Stephens:2010:FCE

[42] Christopher Stephens. Forces and causes in evolutionary theory. *Philosophy of Science*, 77(5):716–727, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656821.

Achinstein:2010:WIW

[43] Peter Achinstein. The War on induction: Whewell takes on Newton and mill (norton takes on everyone). *Philosophy of Science*, 77(5):728–739, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656540.

Worrall:2010:URA

[44] John Worrall. For universal rules, against induction. *Philosophy of Science*, 77(5):740–753, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656823.

Kelly:2010:HNI

[45] Thomas Kelly. Hume, norton, and induction without rules. *Philosophy of Science*, 77(5):754–764, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656548.

Norton:2010:TNU

[46] John D. Norton. There are no universal rules for induction. *Philosophy of Science*, 77(5):765–777, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656542.

Bogen:2010:NW

[47] Jim Bogen. Noise in the world. *Philosophy of Science*, 77(5):778–791, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656006.

Woodward:2010:DPS

[48] James Woodward. Data, phenomena, signal, and noise. *Philosophy of Science*, 77(5):792–803, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656554.

McAllister:2010:OPE

[49] James W. McAllister. The ontology of patterns in empirical data. *Philosophy of Science*, 77(5):804–814, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656555.

Teller:2010:SPT

[50] Paul Teller. "Saving the phenomena" today. *Philosophy of Science*, 77 (5):815–826, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656537.

Brading:2010:APS

[51] Katherine Brading. Autonomous patterns and scientific realism. *Philosophy of Science*, 77(5):827–839, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656816.

Craver:2010:PM

[52] Carl F. Craver. Prosthetic models. *Philosophy of Science*, 77(5):840–851, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656822.

Piccinini:2010:RC

[53] Gualtiero Piccinini. The resilience of computationalism. *Philosophy of Science*, 77(5):852–861, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656549.

Shagrir:2010:CSD

[54] Oron Shagrir. Computation, San Diego style. *Philosophy of Science*, 77 (5):862–874, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656553.

Sullivan:2010:RRC

[55] Jacqueline Anne Sullivan. A role for representation in cognitive neurobiology. *Philosophy of Science*, 77(5):875–887, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656818.

Deltete:2010:TWO

[56] Robert J. Deltete. Thermodynamics in wilhelm Ostwald's physical chemistry. *Philosophy of Science*, 77(5):888–899, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656824.

Needham:2010:MIP

[57] Paul Needham. A mereological interpretation of the phase rule. *Philosophy of Science*, 77(5):900–910, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656546.

Vemulapalli:2010:TCH

[58] G. K. Vemulapalli. Thermodynamics and chemistry: How does a theory formulated without reference to matter explain the properties of matter? *Philosophy of Science*, 77(5):911–920, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/657481.

Hendry:2010:ECS

[59] Robin Findlay Hendry. Entropy and chemical substance. *Philosophy of Science*, 77(5):921–932, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656550.

Wilson:2010:MLE

[60] Mark Wilson. Mixed-level explanation. *Philosophy of Science*, 77(5):933–946, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/657426.

Psillos:2010:SRB

[61] Stathis Psillos. Scientific realism: Between Platonism and nominalism. *Philosophy of Science*, 77(5):947–958, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656825.

Pincock:2010:MSC

[62] Christopher Pincock. Mathematics, science, and confirmation theory. *Philosophy of Science*, 77(5):959–970, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656552.

Lloyd:2010:CRC

[63] Elisabeth A. Lloyd. Confirmation and robustness of climate models. *Philosophy of Science*, 77(5):971–984, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/657427.

Parker:2010:WPP

[64] Wendy S. Parker. Whose probabilities? Predicting climate change with ensembles of models. *Philosophy of Science*, 77(5):985–997, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656815.

Mearns:2010:QUF

[65] Linda O. Mearns. Quantification of uncertainties of future climate change: Challenges and applications. *Philosophy of Science*, 77(5):998–1011, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656817.

Oreskes:2010:AGW

[66] Naomi Oreskes, David A. Stainforth, and Leonard A. Smith. Adaptation to global warming: Do climate models tell us what we need to know? *Philosophy of Science*, 77(5):1012–1028, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/657428.

Valente:2010:CED

[67] Giovanni Valente. Can entanglement be destroyed by any local operation in relativistic quantum field theory? *Philosophy of Science*, 77(5):1029–1041, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656547.

Redei:2010:EDN

[68] Miklós Rédei. Einstein's dissatisfaction with nonrelativistic quantum mechanics and relativistic quantum field theory. *Philosophy of Science*, 77(5):1042–1057, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656819.

Steel:2010:NAA

[69] Daniel Steel. A new approach to argument by analogy: Extrapolation and chain graphs. *Philosophy of Science*, 77(5):1058–1069, December 2010.

CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656543.

Guala:2010:EAC

[70] Francesco Guala. Extrapolation, analogy, and comparative process tracing. *Philosophy of Science*, 77(5):1070–1082, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656541.

Parker:2010:CPT

[71] Wendy S. Parker. Comparative process tracing and climate change fingerprints. *Philosophy of Science*, 77(5):1083–1095, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656814.

Werning:2010:CFE

[72] Markus Werning. Complex first? On the evolutionary and developmental priority of semantically thick words. *Philosophy of Science*, 77(5):1096–1108, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656826.

Ruphy:2010:SKN

[73] Stéphanie Ruphy. Are stellar kinds natural kinds? A challenging newcomer in the monism/pluralism and realism/antirealism debates. *Philosophy of Science*, 77(5):1109–1120, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656544.

Sklar:2010:ILN

[74] Lawrence Sklar. I'd Love to be a naturalist — if only I knew what naturalism was. *Philosophy of Science*, 77(5):1121–1137, December 2010. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/656827.

Korkut:2011:RVF

[75] Buket Korkut. The real virtue of Friedman's neo-Kantian philosophy of science. *Philosophy of Science*, 78(1):1–15, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658092.

Davey:2011:ICP

[76] Kevin Davey. Idealizations and contextualism in physics. *Philosophy of Science*, 78(1):16–38, January 2011. CODEN PHSCA6. ISSN 0031-8248

(print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658093.

Jantzen:2011:AST

[77] Benjamin Jantzen. An awkward symmetry: The tension between particle ontologies and permutation invariance. *Philosophy of Science*, 78(1):39–59, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658094.

Shea:2011:DST

[78] Nicholas Shea. Developmental systems theory formulated as a claim about inherited representations. *Philosophy of Science*, 78(1):60–82, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658110.

Okasha:2011:OCF

[79] Samir Okasha. Optimal choice in the face of risk: Decision theory meets evolution. *Philosophy of Science*, 78(1):83–104, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658115.

Schupbach:2011:LEP

[80] Jonah N. Schupbach and Jan Sprenger. The logic of explanatory power. *Philosophy of Science*, 78(1):105–127, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658111.

Baker:2011:BSS

[81] David John Baker. Broken symmetry and spacetime. *Philosophy of Science*, 78(1):128–148, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658112.

Ainsworth:2011:WCD

[82] Peter M. Ainsworth. What chains does Liouville's Theorem put on Maxwell's Demon? *Philosophy of Science*, 78(1):149–164, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658113.

Neuber:2011:FSR

[83] Matthias Neuber. Feigl's 'scientific realism'. *Philosophy of Science*, 78(1):165–183, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print),

1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658114.

Anonymous:2011:E

[84] Anonymous. Erratum. *Philosophy of Science*, 78(1):184, January 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/658274.

Forber:2011:REI

[85] Patrick Forber. Reconceiving eliminative inference. *Philosophy of Science*, 78(2):185–208, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/659232.

Otsuka:2011:WCV

[86] Jun Otsuka, Trin Turner, Colin Allen, and Elisabeth A. Lloyd. Why the causal view of fitness survives. *Philosophy of Science*, 78(2):209–224, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/659219.

Weinberger:2011:TED

[87] Naftali Weinberger. Is there an empirical disagreement between genic and genotypic selection models? A response to Brandon and Nijhout. *Philosophy of Science*, 78(2):225–237, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/659220.

Zednik:2011:NDE

[88] Carlos Zednik. The nature of dynamical explanation. *Philosophy of Science*, 78(2):238–263, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/659221.

Hemmo:2011:SPM

[89] Meir Hemmo and Orly Shenker. Szilard's *Perpetuum Mobile*. *Philosophy of Science*, 78(2):264–283, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/659231.

Moffatt:2011:CCA

[90] Barton Moffatt. Conflations in the causal account of information undermine the parity thesis. *Philosophy of Science*, 78(2):284–302, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/659230.

Elliott:2011:DIR

[91] Kevin C. Elliott. Direct and indirect roles for values in science. *Philosophy of Science*, 78(2):303–324, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/659222`.

Andersen:2011:MLR

[92] Holly K. Andersen. Mechanisms, laws, and regularities. *Philosophy of Science*, 78(2):325–331, April 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/659229`.

Lange:2011:CLS

[93] Marc Lange. Conservation laws in scientific explanations: Constraints or coincidences? *Philosophy of Science*, 78(3):333–352, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/660299`. See critique [124].

vanRiel:2011:NRB

[94] Raphael van Riel. Nagelian reduction beyond the Nagel model. *Philosophy of Science*, 78(3):353–375, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/660300`.

Schlosshauer:2011:FCC

[95] Maximilian Schlosshauer and Gregory Wheeler. Focused correlation, confirmation, and the jigsaw puzzle of variable evidence. *Philosophy of Science*, 78(3):376–392, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/659218`.

Gyenis:2011:CCC

[96] Zalán Gyenis and Miklós Rédei. Characterizing common cause closed probability spaces. *Philosophy of Science*, 78(3):393–409, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/660302`.

Manchak:2011:WPR

[97] John Byron Manchak. What is a physically reasonable space-time? *Philosophy of Science*, 78(3):410–420, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/660301`.

Weatherall:2011:SEP

[98] James Owen Weatherall. On (some) explanations in physics. *Philosophy of Science*, 78(3):421–447, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/660737.

Glymour:2011:MEI

[99] Bruce Glymour. Modeling environments: Interactive causation and adaptations to environmental conditions. *Philosophy of Science*, 78(3):448–471, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/660303.

Skow:2011:DTM

[100] Bradford Skow. Does temperature have a metric structure? *Philosophy of Science*, 78(3):472–489, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/660304.

Martinez:2011:EGA

[101] Sergio F. Martínez and Xiang Huang. Epistemic groundings of abstraction and their cognitive dimension. *Philosophy of Science*, 78(3):490–511, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/660305.

Havstad:2011:DPN

[102] Joyce C. Havstad. Discussion: Problems for natural selection as a mechanism. *Philosophy of Science*, 78(3):512–523, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/660734.

Mikkelson:2011:BRS

[103] Gregory M. Mikkelson. Book review: Sandra D. Mitchell, *Unsimple Truths: Science, Complexity, and Policy*. *Philosophy of Science*, 78(3):524–527, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/660735.

Garber:2011:BRP

[104] Daniel Garber. Book review: Peter Dear, *The Intelligibility of Nature: How Science Makes Sense of the World*. *Philosophy of Science*, 78(3):527–531, July 2011. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/660736.

Hunt:2012:AHH

[105] J. Christopher Hunt. On ad hoc hypotheses. *Philosophy of Science*, 79(1):1–14, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/663238`.

Khalifa:2012:IUR

[106] Kareem Khalifa. Inaugurating understanding or repackaging explanation? *Philosophy of Science*, 79(1):15–37, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/663235`.

Muldoon:2012:SNO

[107] Ryan Muldoon, Tony Smith, and Michael Weisberg. Segregation that no one seeks. *Philosophy of Science*, 79(1):38–62, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/663236`.

Gibbons:2012:RDR

[108] Michelle G. Gibbons. Reassessing discovery: Rosalind Franklin, scientific visualization, and the structure of DNA. *Philosophy of Science*, 79(1):63–80, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/663241`.

Wagner:2012:EDF

[109] Elliott O. Wagner. Evolving to divide the fruits of cooperation. *Philosophy of Science*, 79(1):81–94, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/663243`.

Wagner:2012:RRD

[110] Andreas Wagner. The role of randomness in Darwinian evolution. *Philosophy of Science*, 79(1):95–119, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/663239`.

Potochnik:2012:LHO

[111] Angela Potochnik and Brian McGill. The limitations of hierarchical organization. *Philosophy of Science*, 79(1):120–140, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/663237`.

Morrison:2012:EPM

[112] Margaret Morrison. Emergent physics and micro-ontology. *Philosophy of Science*, 79(1):141–166, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/663240.

Fitelson:2012:ALD

[113] Branden Fitelson. Accuracy, language dependence, and Joyce's argument for probabilism. *Philosophy of Science*, 79(1):167–174, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/663242. See reply [137].

Dickson:2012:BRG

[114] Michael Dickson. Book review: Guido Bacciagaluppi and Antony Valentini, *Quantum Theory at the Crossroads: Reconsidering the 1927 Solvay Conference*. *Philosophy of Science*, 79(1):175–177, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/663245.

Lewis:2012:BRS

[115] Peter Lewis. Book review: Simon Saunders, Jonathan Barrett, Adrian Kent, and David Wallace, *Many Worlds? Everett, Quantum Theory, and Reality*. *Philosophy of Science*, 79(1):177–181, January 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/663244.

Halvorson:2012:WST

[116] Hans Halvorson. What scientific theories could not be. *Philosophy of Science*, 79(2):183–206, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/664745.

Norton:2012:AIW

[117] John D. Norton. Approximation and idealization: Why the difference matters. *Philosophy of Science*, 79(2):207–232, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/664746.

Nathan:2012:VME

[118] Marco J. Nathan. The varieties of molecular explanation. *Philosophy of Science*, 79(2):233–254, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/664791.

Ramsey:2012:SB

[119] Grant Ramsey and Anne Siebels Peterson. Sameness in biology. *Philosophy of Science*, 79(2):255–275, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/664744`.

Baetu:2012:MCE

[120] Tudor M. Baetu. Mechanistic constraints on evolutionary outcomes. *Philosophy of Science*, 79(2):276–294, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/664743`.

deVignemont:2012:WIL

[121] Frédérique de Vignemont and Pierre Jacob. What is it like to feel another's pain? *Philosophy of Science*, 79(2):295–316, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/664742`. See discussion [270].

Cat:2012:BRS

[122] Jordi Cat. Book review: Stephen H. Kellert, Helen E. Longino, and C. Kenneth Waters, *Scientific Pluralism*. *Philosophy of Science*, 79(2):317–325, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/664747`.

Anonymous:2012:RPS

[123] Anonymous. Referees for philosophy of science. *Philosophy of Science*, 79(2):326–331, April 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/665592`.

Demarest:2012:DCG

[124] Heather Demarest. Do counterfactuals ground the laws of nature? A critique of Lange. *Philosophy of Science*, 79(3):333–344, July 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/666066`. See [93].

Houkes:2012:RHC

[125] Wybo Houkes and Krist Vaesen. Robust! Handle with care. *Philosophy of Science*, 79(3):345–364, July 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/666061`.

Crupi:2012:SLL

[126] Vincenzo Crupi and Katya Tentori. A second look at the logic of explanatory power (with two novel representation theorems). *Philosophy of Science*, 79(3):365–385, July 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/666063.

Ahmed:2012:PB

[127] Arif Ahmed. Push the button. *Philosophy of Science*, 79(3):386–395, July 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/666065.

Earnshaw-Whyte:2012:IRC

[128] Eugene Earnshaw-Whyte. Increasingly radical claims about heredity and fitness. *Philosophy of Science*, 79(3):396–412, July 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/666060.

Levinstein:2012:LPA

[129] Benjamin Anders Levinstein. Leitgeb and Pettigrew on accuracy and updating. *Philosophy of Science*, 79(3):413–424, July 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/666064.

Douglas:2012:BRK

[130] Heather Douglas. Book review: Kevin Elliott, *Is a Little Pollution Good for You?* *Philosophy of Science*, 79(3):425–428, July 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/666062.

Goodwin:2012:ETP

[131] William Goodwin. Experiments and theory in the preparative sciences. *Philosophy of Science*, 79(4):429–447, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668003.

Fagan:2012:JAM

[132] Melinda Bonnie Fagan. The joint account of mechanistic explanation. *Philosophy of Science*, 79(4):448–472, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668006.

Park:2012:RR

[133] Ilho Park. Rescuing reflection. *Philosophy of Science*, 79(4):473–489, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/668001`.

Machery:2012:DNC

[134] Edouard Machery. Dissociations in neuropsychology and cognitive neuroscience. *Philosophy of Science*, 79(4):490–518, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/668002`.

Hausman:2012:HNF

[135] Daniel M. Hausman. Health, naturalism, and functional efficiency. *Philosophy of Science*, 79(4):519–541, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/668005`.

Ainsworth:2012:GPD

[136] Peter M. Ainsworth. The Gibbs Paradox and the definition of entropy in statistical mechanics. *Philosophy of Science*, 79(4):542–560, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/668004`.

Pedersen:2012:WLD

[137] Arthur Paul Pedersen and Clark Glymour. What language dependence problem? A reply for Joyce to Fitelson on Joyce. *Philosophy of Science*, 79(4):561–574, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667997`. See [113].

Manchak:2012:BRD

[138] John Byron Manchak. Book review: David Malament, *Topics in the Foundations of General Relativity and Newtonian Gravitation Theory*. *Philosophy of Science*, 79(4):575–583, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/668000`.

Huber:2012:BRW

[139] Franz Huber. Book review: Wolfgang Spohn, *The Laws of Belief: Ranking Theory and Its Philosophical Applications*. *Philosophy of Science*, 79 (4):584–588, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667998`. See comments [751, 752].

OConnor:2012:BRP

[140] Cailin O'Connor. Book review: Peter Godfrey-Smith, *Darwinian Populations and Natural Selection*. *Philosophy of Science*, 79(4):589–593, October 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667999.

Downes:2012:P

[141] Stephen M. Downes. Preface. *Philosophy of Science*, 79(5):595, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668040.

Abrams:2012:IUW

[142] Marshall Abrams. Implications of use of Wright's F_{ST} for the role of probability and causation in evolution. *Philosophy of Science*, 79(5):596–608, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667905.

Haber:2012:MLM

[143] Matthew H. Haber. Multilevel lineages and multidimensional trees: The levels of lineage and phylogeny reconstruction. *Philosophy of Science*, 79 (5):609–623, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667849.

Velasco:2012:FST

[144] Joel D. Velasco. The future of systematics: Tree thinking without the tree. *Philosophy of Science*, 79(5):624–636, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667878.

Weir:2012:ESH

[145] Bruce S. Weir. Estimating F-statistics: A historical view. *Philosophy of Science*, 79(5):637–643, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667904.

Ankeny:2012:DTV

[146] Rachel A. Ankeny. Detecting themes and variations: The use of cases in developmental biology. *Philosophy of Science*, 79(5):644–654, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667903.

Crasnow:2012:RCS

[147] Sharon Crasnow. The role of case study research in political science: Evidence for causal claims. *Philosophy of Science*, 79(5):655–666, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667869.

Morgan:2012:CSO

[148] Mary S. Morgan. Case studies: One observation or many? Justification or discovery? *Philosophy of Science*, 79(5):667–677, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667848.

Alexandrova:2012:WBO

[149] Anna Alexandrova. Well-being as an object of science. *Philosophy of Science*, 79(5):678–689, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667870.

Chang:2012:APE

[150] Hasok Chang. Acidity: The persistence of the everyday in the scientific. *Philosophy of Science*, 79(5):690–700, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667900.

Efstathiou:2012:HOR

[151] Sophia Efstathiou. How ordinary race concepts get to be usable in biomedical science: An account of founded race concepts. *Philosophy of Science*, 79(5):701–713, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667901.

Radick:2012:SHI

[152] Gregory Radick. Should "heredity" and "inheritance" be biological terms? William Bateson's change of mind as a historical and philosophical problem. *Philosophy of Science*, 79(5):714–724, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667872.

Bokulich:2012:DEN

[153] Alisa Bokulich. Distinguishing explanatory from nonexplanatory fictions. *Philosophy of Science*, 79(5):725–737, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667991.

Levy:2012:BRB

[154] Arnon Levy. Book review: *Models, Fictions, and Realism: Two Packages*. *Philosophy of Science*, 79(5):738–748, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667992.

Peschard:2012:FMW

[155] Isabelle Peschard. Forging model/world relations:relevance and reliability. *Philosophy of Science*, 79(5):749–760, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667846.

Thomson-Jones:2012:MM

[156] Martin Thomson-Jones. Modeling without mathematics. *Philosophy of Science*, 79(5):761–772, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667876.

vanFraassen:2012:MMC

[157] Bas C. van Fraassen. Modeling and measurement: The criterion of empirical grounding. *Philosophy of Science*, 79(5):773–784, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667847.

Weisberg:2012:GSA

[158] Michael Weisberg. Getting serious about similarity. *Philosophy of Science*, 79(5):785–794, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667845.

Justus:2012:EBI

[159] James Justus. The elusive basis of inferential robustness. *Philosophy of Science*, 79(5):795–807, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667902.

Machery:2012:PNR

[160] Edouard Machery. Power and negative results. *Philosophy of Science*, 79 (5):808–820, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667877.

Biddle:2012:TAI

[161] Justin B. Biddle. Tragedy of the anticommons? Intellectual property and the sharing of scientific information. *Philosophy of Science*, 79(5):821–832, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667874`.

Knuuttila:2012:CCR

[162] Tarja Knuuttila. Contradictions of commercialization: Revealing the norms of science? *Philosophy of Science*, 79(5):833–844, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667844`.

Kukla:2012:ATR

[163] Rebecca Kukla. "author TBD": Radical collaboration in contemporary biomedical research. *Philosophy of Science*, 79(5):845–858, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/668042`.

Lee:2012:KCP

[164] Carole J. Lee. A Kuhnian critique of psychometric research on peer review. *Philosophy of Science*, 79(5):859–870, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667841`.

McAllister:2012:CSC

[165] James W. McAllister. Climate science controversies and the demand for access to empirical data. *Philosophy of Science*, 79(5):871–880, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667871`.

Sprenger:2012:ERA

[166] Jan Sprenger. Environmental risk analysis: Robustness is essential for precaution. *Philosophy of Science*, 79(5):881–892, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667873`.

Steele:2012:SQP

[167] Katie Steele. The scientist qua policy advisor makes value judgments. *Philosophy of Science*, 79(5):893–904, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/667842`.

Fraser:2012:SSB

[168] Doreen Fraser. Spontaneous symmetry breaking: Quantum statistical mechanics versus quantum field theory. *Philosophy of Science*, 79(5):905–916, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668044.

Frigg:2012:DT

[169] Roman Frigg and Charlotte Werndl. Demystifying typicality. *Philosophy of Science*, 79(5):917–929, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668043.

Stoltzner:2012:CHM

[170] Michael Stöltzner. Constraining the Higgs mechanism: Ontological worries and the prospects for an algebraic cure. *Philosophy of Science*, 79 (5):930–941, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667875.

Hitchcock:2012:PCD

[171] Christopher Hitchcock. Portable causal dependence: A tale of consilience. *Philosophy of Science*, 79(5):942–951, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667899.

Klein:2012:COR

[172] Colin Klein. Cognitive ontology and region- versus network-oriented analyses. *Philosophy of Science*, 79(5):952–960, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667843.

Woodward:2012:CIB

[173] James Woodward. Causation: Interactions between philosophical theories and psychological research. *Philosophy of Science*, 79(5):961–972, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/667850.

Cartwright:2012:WPW

[174] Nancy Cartwright. Will this policy work for you? Predicting effectiveness better: How philosophy helps. *Philosophy of Science*, 79(5):973–989, December 2012. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668041.

Rathkopf:2013:LIF

[175] Charles A. Rathkopf. Localization and intrinsic function. *Philosophy of Science*, 80(1):1–21, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668878.

Saunders:2013:RNP

[176] Simon Saunders. Rethinking Newton's Principia. *Philosophy of Science*, 80(1):22–48, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668881.

Caulton:2013:DIQ

[177] Adam Caulton. Discerning "indistinguishable" quantum systems. *Philosophy of Science*, 80(1):49–72, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668874.

Spanos:2013:WSA

[178] Aris Spanos. Who should be afraid of the Jeffreys–Lindley Paradox? *Philosophy of Science*, 80(1):73–93, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668875.

Claveau:2013:ICV

[179] François Claveau. The Independence condition in the variety-of-evidence thesis. *Philosophy of Science*, 80(1):94–118, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668877.

Easwaran:2013:EAS

[180] Kenny Easwaran. Expected accuracy supports conditionalization — and conglomerability and reflection. *Philosophy of Science*, 80(1):119–142, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668879.

Laraudogoitia:2013:NSP

[181] Jon Pérez Laraudogoitia. The new string paradox. *Philosophy of Science*, 80(1):143–154, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668876.

Helgeson:2013:WSC

[182] Casey Helgeson. What selection can and cannot explain: A reply to Nanay's critique of Sober. *Philosophy of Science*, 80(1):155–159, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668880.

Driscoll:2013:BRM

[183] Catherine Driscoll. Book review: Michael Ruse, *The Philosophy of Human Evolution*. *Philosophy of Science*, 80(1):160–164, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668883.

Broadbent:2013:BRJ

[184] Alex Broadbent. Book review: Jeremy Howick, *The Philosophy of Evidence-Based Medicine*. *Philosophy of Science*, 80(1):165–168, January 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/668882.

Lange:2013:RSE

[185] Marc Lange. Really statistical explanations and genetic drift. *Philosophy of Science*, 80(2):169–188, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670323.

Vickers:2013:CCR

[186] Peter Vickers. A confrontation of convergent realism. *Philosophy of Science*, 80(2):189–211, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670297.

Michael:2013:ACT

[187] John Michael and Miles MacLeod. Applying the causal theory of reference to intentional concepts. *Philosophy of Science*, 80(2):212–230, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670328.

Pruss:2013:PRC

[188] Alexander R. Pruss. Probability, regularity, and cardinality. *Philosophy of Science*, 80(2):231–240, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670299.

Levy:2013:AOM

[189] Arnon Levy and William Bechtel. Abstraction and the organization of mechanisms. *Philosophy of Science*, 80(2):241–261, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670300.

Baker:2013:IST

[190] David John Baker. Identity, superselection theory, and the statistical properties of quantum fields. *Philosophy of Science*, 80(2):262–285, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670296.

Glymour:2013:TES

[191] Clark Glymour. Theoretical equivalence and the semantic view of theories. *Philosophy of Science*, 80(2):286–297, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670261.

Fitzpatrick:2013:KOR

[192] Simon Fitzpatrick. Kelly on Ockham's razor and truth-finding efficiency. *Philosophy of Science*, 80(2):298–309, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670298.

Miyake:2013:BRW

[193] Teru Miyake. Book review: William Harper, *Isaac Newton's Scientific Method: Turning Data into Evidence about Gravity and Cosmology. Philosophy of Science*, 80(2):310–316, April 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670660.

Garson:2013:FSM

[194] Justin Garson. The functional sense of mechanism. *Philosophy of Science*, 80(3):317–333, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/671173.

Rohwer:2013:HPI

[195] Yasha Rohwer and Collin Rice. Hypothetical pattern idealization and explanatory models. *Philosophy of Science*, 80(3):334–355, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/671399.

Colombo:2013:MFB

[196] Matteo Colombo. Moving forward (and beyond) the modularity debate: A network perspective. *Philosophy of Science*, 80(3):356–377, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670331.

Brossel:2013:PMS

[197] Peter Brössel. The problem of measure sensitivity redux. *Philosophy of Science*, 80(3):378–397, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/671172.

Rizza:2013:AMB

[198] Davide Rizza. The applicability of mathematics: Beyond mapping accounts. *Philosophy of Science*, 80(3):398–412, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/670295.

Huttegger:2013:DR

[199] Simon M. Huttegger. In defense of reflection. *Philosophy of Science*, 80(3):413–433, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/671427.

Healey:2013:OQO

[200] Richard Healey. Observation and quantum objectivity. *Philosophy of Science*, 80(3):434–453, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/671106.

Ney:2013:DAP

[201] Alyssa Ney and Kathryn Phillips. Does an adequate physical theory demand a primitive ontology? *Philosophy of Science*, 80(3):454–474, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/671076.

Halvorson:2013:SVI

[202] Hans Halvorson. The semantic view, if plausible, is syntactic. *Philosophy of Science*, 80(3):475–478, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/671077.

Anonymous:2013:RPS

[203] Anonymous. Referees for philosophy of science. *Philosophy of Science*, 80(3):479–482, July 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/672158.

Belot:2013:BO

[204] Gordon Belot. Bayesian orgulity. *Philosophy of Science*, 80(4):483–503, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673249.

Schervish:2013:EER

[205] Mark J. Schervish, Teddy Seidenfeld, and Joseph B. Kadane. The effect of exchange rates on statistical decisions. *Philosophy of Science*, 80(4):504–532, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673267.

MacLeod:2013:BSG

[206] Miles MacLeod and Nancy J. Nersessian. Building simulations from the ground up: Modeling and theory in systems biology. *Philosophy of Science*, 80(4):533–556, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673209.

Kochiras:2013:MPN

[207] Hylarie Kochiras. The mechanical philosophy and Newton's mechanical force. *Philosophy of Science*, 80(4):557–578, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673210.

Roberts:2013:SFC

[208] Bryan W. Roberts. The simple failure of Curie's Principle. *Philosophy of Science*, 80(4):579–592, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673212.

Shech:2013:GBR

[209] Elay Shech. On gases in boxes: A reply to Davey on the justification of the probability measure in Boltzmannian statistical mechanics. *Philosophy of Science*, 80(4):593–605, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673211. See [1].

Healey:2013:BRL

[210] Richard Healey. Book review: Laura Ruetsche, *Interpreting Quantum Theories*. *Philosophy of Science*, 80(4):606–609, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673217.

Anonymous:2013:E

[211] Anonymous. Erratum. *Philosophy of Science*, 80(4):610, October 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673382.

Woody:2013:P

[212] Andrea I. Woody. Preface. *Philosophy of Science*, 80(5):611–612, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674136.

Saatsi:2013:RWA

[213] Juha Saatsi and Mark Pexton. Reassessing Woodward's account of explanation: Regularities, counterfactuals, and noncausal explanations. *Philosophy of Science*, 80(5):613–624, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673899.

Imbert:2013:RIE

[214] Cyrille Imbert. Relevance, not invariance, explanatoriness, not manipulability: Discussion of Woodward's views on explanatory relevance. *Philosophy of Science*, 80(5):625–636, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674002.

Kuorikoski:2013:UNF

[215] Jaakko Kuorikoski and Samuli Pöyhönen. Understanding nonmodular functionality: Lessons from genetic algorithms. *Philosophy of Science*, 80 (5):637–649, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673866.

Marcellesi:2013:RC

[216] Alexandre Marcellesi. Is race a cause? *Philosophy of Science*, 80(5): 650–659, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673721.

Zwier:2013:ECI

[217] Karen R. Zwier. An epistemology of causal inference from experiment. *Philosophy of Science*, 80(5):660–671, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673901.

Andersen:2013:WEV

[218] Holly Andersen. When to expect violations of causal faithfulness and why it matters. *Philosophy of Science*, 80(5):672–683, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673937.

Eberhardt:2013:EIC

[219] Frederick Eberhardt. Experimental indistinguishability of causal structures. *Philosophy of Science*, 80(5):684–696, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673865.

Miyake:2013:UBB

[220] Teru Miyake. Underdetermination, black boxes, and measurement. *Philosophy of Science*, 80(5):697–708, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673729.

Teira:2013:CSE

[221] David Teira. A contractarian solution to the Experimenter's regress. *Philosophy of Science*, 80(5):709–720, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673717.

Helgeson:2013:CSA

[222] Casey Helgeson. The confirmational significance of agreeing measurements. *Philosophy of Science*, 80(5):721–732, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673924.

Sprenger:2013:TPN

[223] Jan Sprenger. Testing a precise null hypothesis: The case of Lindley's paradox. *Philosophy of Science*, 80(5):733–744, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673730.

Okasha:2013:EBU

[224] Samir Okasha. The evolution of Bayesian updating. *Philosophy of Science*, 80(5):745–757, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674058.

Armendt:2013:PII

[225] Brad Armendt. Pragmatic interests and imprecise belief. *Philosophy of Science*, 80(5):758–768, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673925.

Alexander:2013:PAS

[226] J. McKenzie Alexander. Preferential attachment and the search for successful theories. *Philosophy of Science*, 80(5):769–782, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674080.

Wagner:2013:ERN

[227] Elliott Wagner. The explanatory relevance of Nash equilibrium: One-dimensional chaos in boundedly rational learning. *Philosophy of Science*, 80(5):783–795, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673731.

Douglas:2013:VCV

[228] Heather Douglas. The value of cognitive values. *Philosophy of Science*, 80 (5):796–806, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673716.

Elliott:2013:CAV

[229] Kevin C. Elliott and David Willmes. Cognitive attitudes and values in science. *Philosophy of Science*, 80(5):807–817, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673719.

Steel:2013:AVI

[230] Daniel Steel. Acceptance, values, and inductive risk. *Philosophy of Science*, 80(5):818–828, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673936.

Brown:2013:VSB

[231] Matthew J. Brown. Values in science beyond underdetermination and inductive risk. *Philosophy of Science*, 80(5):829–839, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673720.

Magnus:2013:WSK

[232] P. D. Magnus. What scientists know is not a function of what scientists know. *Philosophy of Science*, 80(5):840–849, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673718.

Grune-Yanoff:2013:AMN

[233] Till Grüne-Yanoff. Appraising models nonrepresentationally. *Philosophy of Science*, 80(5):850–861, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673893.

Goldsby:2013:SSL

[234] Michael Goldsby. The "structure" of the "strategy": Looking at the Matthewson–Weisberg trade-off and its justificatory role for the multiple-models approach. *Philosophy of Science*, 80(5):862–873, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673728.

Knuuttila:2013:SMM

[235] Tarja Knuuttila and Andrea Loettgers. Synthetic modeling and mechanistic account: Material recombination and beyond. *Philosophy of Science*, 80(5):874–885, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673965.

Frigg:2013:MIC

[236] Roman Frigg, Leonard A. Smith, and David A. Stainforth. The myopia of imperfect climate models: The case of UKCP09. *Philosophy of Science*, 80(5):886–897, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673892.

Wolff:2013:CLM

[237] Johanna Wolff. Are conservation laws metaphysically necessary? *Philosophy of Science*, 80(5):898–906, December 2013. CODEN PHSCA6. ISSN

0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673715.

Theurer:2013:SCM

[238] Kari L. Theurer. Seventeenth-Century mechanism: An alternative framework for reductionism. *Philosophy of Science*, 80(5):907–918, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673894.

Martin:2013:CID

[239] Joseph D. Martin. Is the contingentist/inevitabilist debate a matter of degrees? *Philosophy of Science*, 80(5):919–930, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674003.

Sheredos:2013:WDB

[240] Benjamin Sheredos, Daniel Burnston, Adele Abrahamsen, and William Bechtel. Why do biologists use so many diagrams? *Philosophy of Science*, 80(5):931–944, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674047.

Fagan:2013:SCU

[241] Melinda Bonnie Fagan. The stem cell uncertainty principle. *Philosophy of Science*, 80(5):945–957, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674014.

Silberstein:2013:CLD

[242] Michael Silberstein and Anthony Chemero. Constraints on localization and decomposition as explanatory strategies in the biological sciences. *Philosophy of Science*, 80(5):958–970, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674533.

Barker:2013:DCA

[243] Matthew J. Barker and Joel D. Velasco. Deep conventionalism about evolutionary groups. *Philosophy of Science*, 80(5):971–982, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673923.

Ramsey:2013:HNP

[244] Grant Ramsey. Human nature in a Post-essentialist world. *Philosophy of Science*, 80(5):983–993, December 2013. CODEN PHSCA6. ISSN

0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673902.

Hochman:2013:DWN

[245] Adam Hochman. Do we need a device to acquire ethnic concepts? *Philosophy of Science*, 80(5):994–1005, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673896.

Scarantino:2013:RFR

[246] Andrea Scarantino. Rethinking functional reference. *Philosophy of Science*, 80(5):1006–1018, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673900.

Roche:2013:DTI

[247] Michael Roche. A difficulty for testing the inner sense theory of introspection. *Philosophy of Science*, 80(5):1019–1030, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673967.

Boone:2013:OCS

[248] Worth Boone. Operationalizing consciousness: Subjective report and task performance. *Philosophy of Science*, 80(5):1031–1041, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673966.

Eronen:2013:NLN

[249] Markus I. Eronen. No levels, no problems: Downward causation in neuroscience. *Philosophy of Science*, 80(5):1042–1052, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673898.

Nardini:2013:BCS

[250] Cecilia Nardini and Jan Sprenger. Bias and conditioning in sequential medical trials. *Philosophy of Science*, 80(5):1053–1064, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673732.

Tulodziecki:2013:SMS

[251] Dana Tulodziecki. Shattering the myth of semmelweis. *Philosophy of Science*, 80(5):1065–1075, December 2013. CODEN PHSCA6. ISSN

0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673935.

Tamir:2013:GUG

[252] Michael Tamir. Geodesic universality in General Relativity. *Philosophy of Science*, 80(5):1076–1088, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674057.

Muller:2013:GMT

[253] Thomas Müller. A generalized manifold topology for branching spacetimes. *Philosophy of Science*, 80(5):1089–1100, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673895.

Brading:2013:PEH

[254] Katherine Brading. Presentism as an empirical hypothesis. *Philosophy of Science*, 80(5):1101–1111, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673897.

Roberts:2013:WWD

[255] Bryan W. Roberts. When we do (and do not) have a classical arrow of time. *Philosophy of Science*, 80(5):1112–1124, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674001.

Cuffaro:2013:DCP

[256] Michael E. Cuffaro and Wayne C. Myrvold. On the debate concerning the proper characterization of quantum dynamical evolution. *Philosophy of Science*, 80(5):1125–1136, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673733.

Pashby:2013:DQO

[257] Thomas Pashby. Do quantum objects have temporal parts? *Philosophy of Science*, 80(5):1137–1147, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673968.

Hemmo:2013:PZB

[258] Meir Hemmo and Orly Shenker. Probability zero in Bohm's theory. *Philosophy of Science*, 80(5):1148–1158, December 2013. CODEN PH-

SCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673891.

Goodwin:2013:QCO

[259] William Goodwin. Quantum chemistry and organic theory. *Philosophy of Science*, 80(5):1159–1169, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673734.

Shech:2013:WPP

[260] Elay Shech. What is the paradox of phase transitions? *Philosophy of Science*, 80(5):1170–1181, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674000.

Norton:2013:ETC

[261] John D. Norton. The end of the thermodynamics of computation: A no-go result. *Philosophy of Science*, 80(5):1182–1192, December 2013. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/673714.

Elliott:2014:NVM

[262] Kevin C. Elliott and Daniel J. McKaughan. Nonepistemic values and the multiple goals of science. *Philosophy of Science*, 81(1):1–21, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674345.

Sarkar:2014:DIP

[263] Sahotra Sarkar. Does "information" provide a compelling framework for a theory of natural selection? Grounds for caution. *Philosophy of Science*, 81(1):22–30, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674204.

Frigg:2014:LDA

[264] Roman Frigg, Seamus Bradley, Hailiang Du, and Leonard A. Smith. Laplace's demon and the adventures of his apprentices. *Philosophy of Science*, 81(1):31–59, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674416.

Russell:2014:WTC

[265] Jeffrey Sanford Russell. On where things could be. *Philosophy of Science*, 81(1):60–80, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print),

1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674344.

Rinard:2014:NBS

[266] Susanna Rinard. A new Bayesian solution to the paradox of the ravens. *Philosophy of Science*, 81(1):81–100, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674202.

vanEnk:2014:BMC

[267] Steven J. van Enk. Bayesian measures of confirmation from scoring rules. *Philosophy of Science*, 81(1):101–113, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674205.

Roche:2014:DC

[268] William Roche and Tomoji Shogenji. Dwindling confirmation. *Philosophy of Science*, 81(1):114–137, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674346.

Gebharter:2014:FFR

[269] Alexander Gebharter. A formal framework for representing mechanisms? *Philosophy of Science*, 81(1):138–153, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674206.

Michael:2014:WIA

[270] John Michael and Francesca Fardo. What (if anything) is shared in pain empathy? A critical discussion of de Vignemont and Jacob's theory of the neural substrate of pain empathy. *Philosophy of Science*, 81(1):154–160, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674203. See [121].

Isaac:2014:BRP

[271] Alistair M. C. Isaac. Book review: Paul M. Churchland, *Plato's Camera: How the Physical Brain Captures a Landscape of Abstract Universals*. *Philosophy of Science*, 81(1):161–165, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674366.

Wilholt:2014:BRP

[272] Torsten Wilholt. Book review: Philip Kitcher, *Science in a Democratic Society*. *Philosophy of Science*, 81(1):165–171, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674367.

Baker:2014:BRF

[273] David John Baker. Book review: Frank Arntzenius, *Space, Time, and Stuff*. *Philosophy of Science*, 81(1):171–174, January 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/674433.

Sterner:2014:PVB

[274] Beckett Sterner. The practical value of biological information for research. *Philosophy of Science*, 81(2):175–194, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/675679.

Clarke:2014:NCT

[275] Christopher Clarke. Neuroeconomics and confirmation theory. *Philosophy of Science*, 81(2):195–215, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/675669.

Robert:2014:JLP

[276] Christian P. Robert. On the Jeffreys–Lindley paradox. *Philosophy of Science*, 81(2):216–232, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/675729.

Weatherall:2014:GC

[277] James Owen Weatherall and John Byron Manchak. The geometry of conventionality. *Philosophy of Science*, 81(2):233–247, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/675680.

Esfeld:2014:GFT

[278] Michael Esfeld and Nicolas Gisin. The GRW flash theory: A relativistic quantum ontology of matter in space–time? *Philosophy of Science*, 81(2):248–264, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/675730.

Smith:2014:DBA

[279] Ryan Smith. Do brains have an arrow of time? *Philosophy of Science*, 81(2):265–275, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/675644.

vanFraassen:2014:OTG

[280] Bas C. van Fraassen. One or two gentle remarks about Hans Halvorson's critique of the semantic view. *Philosophy of Science*, 81(2):276–283, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/675645.

Ruse:2014:BRP

[281] Michael Ruse. Book review: Paul Hoyningen-Huene, *Systematicity: The Nature of Science*. *Philosophy of Science*, 81(2):284–288, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676562.

Sklar:2014:BRT

[282] Lawrence Sklar. Book review: Tim Maudlin, *Philosophy of Physics: Space and Time*. *Philosophy of Science*, 81(2):288–292, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676563.

Odenbaugh:2014:BRS

[283] Jay Odenbaugh. Book review: Sahotra Sarkar, *Environmental Philosophy: From Theory to Practice*. *Philosophy of Science*, 81(2):292–296, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676561.

Anonymous:2014:RBS

[284] Anonymous. Referees for *Philosophy of Science*. *Philosophy of Science*, 81(2):297–301, April 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676320.

Skyrms:2014:GIS

[285] Brian Skyrms. Grades of inductive skepticism. *Philosophy of Science*, 81(3):303–312, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676637.

Jantzen:2014:PVT

[286] Benjamin C. Jantzen. Piecewise versus total support: How to deal with background information in likelihood arguments. *Philosophy of Science*, 81(3):313–331, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676536.

Jansson:2014:CTE

[287] Lina Jansson. Causal theories of explanation and the challenge of explanatory disagreement. *Philosophy of Science*, 81(3):332–348, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676687.

Batterman:2014:MME

[288] Robert W. Batterman and Collin C. Rice. Minimal model explanations. *Philosophy of Science*, 81(3):349–376, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676677. See reply [366].

Peters:2014:WES

[289] Dean Peters. What elements of successful scientific theories are the correct targets for "selective" scientific realism? *Philosophy of Science*, 81(3):377–397, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676537.

Santana:2014:ACS

[290] Carlos Santana. Ambiguity in cooperative signaling. *Philosophy of Science*, 81(3):398–422, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676652.

Stan:2014:UKN

[291] Marius Stan. Unity for Kant's natural philosophy. *Philosophy of Science*, 81(3):423–443, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676538.

DeLanghe:2014:UMD

[292] Rogier De Langhe. A unified model of the division of cognitive labor. *Philosophy of Science*, 81(3):444–459, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676670.

Walsh:2014:CRC

[293] Sean Walsh, Eleanor Knox, and Adam Caulton. Critical review: Christopher Pincock, *Mathematics and Scientific Representation*. *Philosophy of Science*, 81(3):460–469, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/676560.

Falk:2014:BRP

[294] Raphael Falk. Book review: Paul Griffiths and Karola Stotz, *Genetics and Philosophy: An Introduction*. *Philosophy of Science*, 81(3):470–475, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677259.

Hillier:2014:BRG

[295] Sam Hillier. Book review: Greg Frost-Arnold, *Carnap, Tarski, and Quine at Harvard*. *Philosophy of Science*, 81(3):476–480, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677258.

Dunlop:2014:BRJ

[296] Katherine Dunlop. Book review: Jeremy Gray, *Henri Poincaré: A Scientific Biography*. *Philosophy of Science*, 81(3):481–486, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677256.

Klein:2014:BRA

[297] Colin Klein. Book review: Alcino J. Silva, Anthony Landreth, and John Bickle, *Engineering the Next Revolution in Neuroscience*. *Philosophy of Science*, 81(3):486–489, July 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677257.

Bradley:2014:ACJ

[298] Richard Bradley, Franz Dietrich, and Christian List. Aggregating causal judgments. *Philosophy of Science*, 81(4):491–515, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678044.

Parke:2014:ESE

[299] Emily C. Parke. Experiments, simulations, and epistemic privilege. *Philosophy of Science*, 81(4):516–536, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677956.

Huisman:2014:IUC

[300] Leendert Huisman. On indeterminate updating of credences. *Philosophy of Science*, 81(4):537–557, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677955.

Sober:2014:TKE

[301] Elliott Sober and Mike Steel. Time and knowability in evolutionary processes. *Philosophy of Science*, 81(4):558–579, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677954.

Artiga:2014:MTF

[302] Marc Artiga. The modal theory of function is not about functions. *Philosophy of Science*, 81(4):580–591, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677952.

Lamm:2014:IC

[303] Ehud Lamm and Ohad Kammar. Inferring coevolution. *Philosophy of Science*, 81(4):592–611, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678045.

Booth:2014:PIH

[304] Austin Booth. Populations and individuals in heterokaryotic fungi: A multilevel perspective. *Philosophy of Science*, 81(4):612–632, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677953.

Bursten:2014:MEN

[305] Julia R. Bursten. Microstructure without essentialism: A new perspective on chemical classification. *Philosophy of Science*, 81(4):633–653, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678043.

Ehrlich:2014:EHA

[306] Philip Ehrlich. An essay in honor of Adolf Grünbaum's ninetieth birthday: A reexamination of Zeno's paradox of extension. *Philosophy of Science*, 81(4):654–675, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677978.

Driscoll:2014:BRB

[307] Catherine Driscoll. Book review: *Studying Human Behavior: How Scientists Investigate Aggression and Sexuality*. *Philosophy of Science*, 81 (4):676–680, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/678555`.

Cuffaro:2014:BRC

[308] Michael E. Cuffaro. Book review: Christopher G. Timpson, *Quantum Information Theory and the Foundations of Quantum Mechanics*. *Philosophy of Science*, 81(4):681–684, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/678554`.

Harper:2014:BRP

[309] William Harper. Book review: Peter Achinstein, *Evidence and Method: Scientific Strategies of Isaac Newton and James Clerk Maxwell*. *Philosophy of Science*, 81(4):684–687, October 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/678556`.

Woody:2014:P

[310] Andrea I. Woody. Preface. *Philosophy of Science*, 81(5):689–690, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/678333`.

Woodward:2014:FAC

[311] James Woodward. A functional account of causation; or, a defense of the legitimacy of causal thinking by reference to the only standard that matters — usefulness (as opposed to metaphysics or agreement with intuitive judgment). *Philosophy of Science*, 81(5):691–713, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/678313`.

Ereshefsky:2014:SHP

[312] Marc Ereshefsky. Species, historicity, and path dependency. *Philosophy of Science*, 81(5):714–726, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/677202`.

Charbonneau:2014:PR

[313] Mathieu Charbonneau. Populations without reproduction. *Philosophy of Science*, 81(5):727–740, December 2014. CODEN PHSCA6. ISSN

0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677203.

Millstein:2014:HCP

[314] Roberta L. Millstein. How the concept of population resolves concepts of environment. *Philosophy of Science*, 81(5):741–755, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677220.

Weber:2014:EMB

[315] Marcel Weber. Experimental modeling in biology: In vivo representation and stand-ins as modeling strategies. *Philosophy of Science*, 81(5): 756–769, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678257.

Justus:2014:MIE

[316] James Justus. Methodological individualism in ecology. *Philosophy of Science*, 81(5):770–784, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677404.

Weisberg:2014:UEP

[317] Michael Weisberg. Understanding the emergence of population behavior in individual-based models. *Philosophy of Science*, 81(5):785–797, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677405.

Nanay:2014:TE

[318] Bence Nanay. Teleosemantics without etiology. *Philosophy of Science*, 81 (5):798–810, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677684.

OMalley:2014:MRS

[319] Maureen A. O'Malley, Ingo Brigandt, Alan C. Love, John W. Crawford, Jack A. Gilbert, Rob Knight, Sandra D. Mitchell, and Forest Rohwer. Multilevel research strategies and biological systems. *Philosophy of Science*, 81(5):811–828, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677889.

Barrett:2014:RFE

[320] Jeffrey A. Barrett. Rule-following and the evolution of basic concepts. *Philosophy of Science*, 81(5):829–839, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678241.

OConnor:2014:EPC

[321] Cailin O'Connor. Evolving perceptual categories. *Philosophy of Science*, 81(5):840–851, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677885.

Smead:2014:DEP

[322] Rory Smead. Deception and the evolution of plasticity. *Philosophy of Science*, 81(5):852–865, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677685.

Godfrey-Smith:2014:SRS

[323] Peter Godfrey-Smith. Sender-receiver systems within and between organisms. *Philosophy of Science*, 81(5):866–878, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677686.

Calcott:2014:CRI

[324] Brett Calcott. The creation and reuse of information in gene regulatory networks. *Philosophy of Science*, 81(5):879–890, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677687.

Cao:2014:SBS

[325] Rosa Cao. Signaling in the brain: In search of functional units. *Philosophy of Science*, 81(5):891–901, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677688.

Shea:2014:NSP

[326] Nicholas Shea. Neural signaling of probabilistic vectors. *Philosophy of Science*, 81(5):902–913, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678354.

Chirimuuta:2014:PME

[327] M. Chirimuuta. Psychophysical methods and the evasion of introspection. *Philosophy of Science*, 81(5):914–926, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/677890`.

Feest:2014:PEF

[328] Uljana Feest. Phenomenal experiences, first-person methods, and the artificiality of experimental data. *Philosophy of Science*, 81(5):927–939, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/677689`.

Hatfield:2014:PEP

[329] Gary Hatfield. Psychological experiments and phenomenal experience in size and shape constancy. *Philosophy of Science*, 81(5):940–953, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/677891`.

Schwitzgebel:2014:PKI

[330] Eric Schwitzgebel. The problem of known illusion and the resemblance of experience to reality. *Philosophy of Science*, 81(5):954–960, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/677690`.

Aktunc:2014:STN

[331] M. Emrah Aktunc. Severe tests in neuroimaging: What we can learn and how we can learn it. *Philosophy of Science*, 81(5):961–973, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/677691`.

Klein:2014:BRW

[332] Colin Klein. The brain at rest: What it is doing and why that matters. *Philosophy of Science*, 81(5):974–985, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/677692`.

Schwartz:2014:STR

[333] Peter H. Schwartz. Small tumors as risk factors not disease. *Philosophy of Science*, 81(5):986–998, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/678280`.

Ankeny:2014:ORC

[334] Rachel A. Ankeny. The overlooked role of cases in casual attribution in medicine. *Philosophy of Science*, 81(5):999–1011, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677693.

Morgan:2014:RKG

[335] Mary S. Morgan. Resituating knowledge: Generic strategies and case studies. *Philosophy of Science*, 81(5):1012–1024, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677888.

Spencer:2014:RSR

[336] Quayshawn Spencer. A radical solution to the race problem. *Philosophy of Science*, 81(5):1025–1038, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677694.

Kaplan:2014:RAC

[337] Jonathan Michael Kaplan and Rasmus Grønfeldt Winther. Realism, antirealism, and conventionalism about race. *Philosophy of Science*, 81(5): 1039–1052, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678314.

Kopec:2014:CCC

[338] Matthew Kopec. Clines, clusters, and clades in the race debate. *Philosophy of Science*, 81(5):1053–1065, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677695.

Manchak:2014:STS

[339] John Byron Manchak. On space-time singularities, holes, and extensions. *Philosophy of Science*, 81(5):1066–1076, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677696.

Weatherall:2014:WSG

[340] James Owen Weatherall. What is a singularity in geometrized Newtonian gravitation? *Philosophy of Science*, 81(5):1077–1089, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678239.

McKenzie:2014:FS

[341] Kerry McKenzie. On the fundamentality of symmetries. *Philosophy of Science*, 81(5):1090–1102, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677697.

Humphreys:2014:ECS

[342] Paul Humphreys. Explanation as condition satisfaction. *Philosophy of Science*, 81(5):1103–1116, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677698.

Kuhlmann:2014:EFM

[343] Meinard Kuhlmann. Explaining financial markets in terms of complex systems. *Philosophy of Science*, 81(5):1117–1130, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677699.

Bedau:2014:TBM

[344] Mark A. Bedau. Testing bottom-up models of complex citation networks. *Philosophy of Science*, 81(5):1131–1143, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677700.

Morrison:2014:CSR

[345] Margaret Morrison. Complex systems and renormalization group explanations. *Philosophy of Science*, 81(5):1144–1156, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677904.

Reutlinger:2014:WTU

[346] Alexander Reutlinger. Why is there universal macrobehavior? Renormalization group explanation as noncausal explanation. *Philosophy of Science*, 81(5):1157–1170, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677887.

Lutz:2014:EAR

[347] Sebastian Lutz. Empirical adequacy in the received view. *Philosophy of Science*, 81(5):1171–1183, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/677886.

Hardcastle:2014:NET

[348] Gary Hardcastle and Matthew H. Slater. A novel exercise for teaching the philosophy of science. *Philosophy of Science*, 81(5):1184–1196, December 2014. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678240.

Haufe:2015:GL

[349] Chris Haufe. Gould's Laws. *Philosophy of Science*, 82(1):1–20, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678979.

Helgeson:2015:TNA

[350] Casey Helgeson. There is no asymmetry of identity assumptions in the debate over selection and individuals. *Philosophy of Science*, 82(1):21–31, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/679114.

Ross:2015:DME

[351] Lauren N. Ross. Dynamical models and explanation in neuroscience. *Philosophy of Science*, 82(1):32–54, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/679038.

Hey:2015:RDE

[352] Spencer Phillips Hey. Robust and discordant evidence: Methodological lessons from clinical research. *Philosophy of Science*, 82(1):55–75, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678978.

Dawid:2015:HDL

[353] Richard Dawid. Higgs discovery and the look elsewhere effect. *Philosophy of Science*, 82(1):76–96, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/679179.

Cohen:2015:SSM

[354] Michael P. Cohen. On Schupbach and Sprenger's measures of explanatory power. *Philosophy of Science*, 82(1):97–109, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678980.

OConnor:2015:AKG

[355] Cailin O'Connor. Ambiguity is kinda good sometimes. *Philosophy of Science*, 82(1):110–121, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/679180.

Crawford:2015:SF

[356] David Robert Crawford. Sarkar on Frank. *Philosophy of Science*, 82 (1):122–128, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/679035.

Bacciagaluppi:2015:BRB

[357] Guido Bacciagaluppi and Jenann Ismael. Book review: *The Emergent Multiverse: Quantum Theory according to the Everett Interpretation*. *Philosophy of Science*, 82(1):129–148, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/679037.

Maudlin:2015:BRP

[358] Tim Maudlin. Book review: L. A. Paul and Ned Hall, *Causation: A User's Guide*. *Philosophy of Science*, 82(1):149–152, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/678957.

Balcells:2015:BRA

[359] Maria Balcells. Book review: Adrian Bardon, *A Brief History of the Philosophy of Time*. *Philosophy of Science*, 82(1):152–155, January 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/679036.

Rolin:2015:VSC

[360] Kristina Rolin. Values in science: The case of scientific collaboration. *Philosophy of Science*, 82(2):157–177, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680522.

Matthewson:2015:DPD

[361] John Matthewson. Defining paradigm Darwinian populations. *Philosophy of Science*, 82(2):178–197, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680665.

Ratti:2015:BDB

[362] Emanuele Ratti. Big data biology: Between eliminative inferences and exploratory experiments. *Philosophy of Science*, 82(2):198–218, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680332.

Grim:2015:GGM

[363] Patrick Grim, Daniel J. Singer, Christopher Reade, and Steven Fisher. Germs, genes, and memes: Function and fitness dynamics on information networks. *Philosophy of Science*, 82(2):219–243, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680486.

Ludwig:2015:ANM

[364] David Ludwig. Against the new metaphysics of race. *Philosophy of Science*, 82(2):244–265, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680487.

Sebens:2015:QMC

[365] Charles T. Sebens. Quantum mechanics as classical physics. *Philosophy of Science*, 82(2):266–291, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680190.

Lange:2015:MME

[366] Marc Lange. On "minimal model explanations": A reply to Batterman and Rice. *Philosophy of Science*, 82(2):292–305, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680488. See [288].

Klee:2015:BRB

[367] Robert Klee. Book review: *Seeing Things: The Philosophy of Reliable Observation*. *Philosophy of Science*, 82(2):306–312, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680387.

Schwarz:2015:BRB

[368] Wolfgang Schwarz. Book review: *Tychomancy: Inferring Probability from Causal Structure*. *Philosophy of Science*, 82(2):313–320, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680490.

Levy:2015:BRB

[369] Arnon Levy. Book review: *In Search of Mechanisms*. *Philosophy of Science*, 82(2):321–325, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680385.

Butterfield:2015:BRA

[370] Jeremy Butterfield. Book review: Anthony Duncan, *The Conceptual Framework of Quantum Field Theory*. *Philosophy of Science*, 82(2):326–330, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680386.

Blanchard:2015:BRD

[371] Thomas Blanchard. Book review: Douglas Kutach, *Causation and Its Basis in Fundamental Physics*. *Philosophy of Science*, 82(2):330–333, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680489.

Anonymous:2015:E

[372] Anonymous. Erratum. *Philosophy of Science*, 82(2):334, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680346.

Anonymous:2015:RBS

[373] Anonymous. Referees for *Philosophy of Science*. *Philosophy of Science*, 82(2):335–339, April 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/680497.

Reiss:2015:PTE

[374] Julian Reiss. A pragmatist theory of evidence. *Philosophy of Science*, 82(3):341–362, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/681643.

Gouvea:2015:EEF

[375] Devin Y. Gouvêa. Explanation and the evolutionary first law(s). *Philosophy of Science*, 82(3):363–382, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/681603.

Sprenger:2015:NSP

[376] Jan Sprenger. A novel solution to the problem of old evidence. *Philosophy of Science*, 82(3):383–401, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/681767`.

Sterelny:2015:OER

[377] Kim Sterelny. Optimizing engines: Rational choice in the Neolithic? *Philosophy of Science*, 82(3):402–423, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/681602`.

Alexander:2015:ELO

[378] Jason McKenzie Alexander, Johannes Himmelreich, and Christopher Thompson. Epistemic landscapes, optimal search, and the division of cognitive labor. *Philosophy of Science*, 82(3):424–453, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/681766`.

Thoma:2015:EDL

[379] Johanna Thoma. The epistemic division of labor revisited. *Philosophy of Science*, 82(3):454–472, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/681768`.

Halina:2015:TNS

[380] Marta Halina. There is no special problem of mindreading in nonhuman animals. *Philosophy of Science*, 82(3):473–490, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/681627`.

Krueger:2015:THM

[381] James Krueger. Theoretical health and medical practice. *Philosophy of Science*, 82(3):491–508, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/681628`.

Dammann:2015:BRE

[382] Olaf Dammann. Book review: Epidemiological explanations: *Philosophy of Epidemiology*, by Alex Broadbent. *Philosophy of Science*, 82(3):509–519, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/681769`.

Bhakthavatsalam:2015:BRS

[383] Sindhuja Bhakthavatsalam. Book review: Steven J. Dick, *Discovery and Classification in Astronomy — Controversy and Consensus*. *Philosophy of Science*, 82(3):520–524, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/681770.

Elliott:2015:BRD

[384] Kevin Elliott. Book review: Daniel Steel, *Philosophy and the Precautionary Principle: Science, Evidence, and Environmental Policy*. *Philosophy of Science*, 82(3):524–527, July 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/681642.

Griffiths:2015:MCS

[385] Paul E. Griffiths, Arnaud Pocheville, Brett Calcott, Karola Stotz, Hyunju Kim, and Rob Knight. Measuring causal specificity. *Philosophy of Science*, 82(4):529–555, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682914.

Murray-Watters:2015:WGI

[386] Alexander Murray-Watters and Clark Glymour. What is going on inside the arrows? Discovering the hidden springs in causal models. *Philosophy of Science*, 82(4):556–586, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682962.

Huttegger:2015:BCT

[387] Simon M. Huttegger. Bayesian convergence to the truth and the metaphysics of possible worlds. *Philosophy of Science*, 82(4):587–601, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682941.

Stefansson:2015:HVC

[388] H. Orri Stefánsson and Richard Bradley. How valuable are chances? *Philosophy of Science*, 82(4):602–625, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682915.

Caie:2015:CIC

[389] Michael Caie. Credence in the image of chance. *Philosophy of Science*, 82 (4):626–648, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print),

1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682963.

Bruner:2015:DIT

[390] Justin P. Bruner. Disclosure and information transfer in signaling games. *Philosophy of Science*, 82(4):649–666, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683016.

Boyer-Kassem:2015:SCD

[391] Thomas Boyer-Kassem and Cyrille Imbert. Scientific collaboration: Do two heads need to be more than twice better than one? *Philosophy of Science*, 82(4):667–688, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682940.

Hoover:2015:REI

[392] Kevin D. Hoover. Reductionism in economics: Intentionality and eschatological justification in the microfoundations of macroeconomics. *Philosophy of Science*, 82(4):689–711, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682917.

Hartmann:2015:NGS

[393] Stephan Hartmann and Branden Fitelson. A new Garber-style solution to the problem of old evidence. *Philosophy of Science*, 82(4):712–717, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682916.

Smeenk:2015:BRB

[394] Chris Smeenk. Book review: *Kant's Construction of Nature: A Reading of the Metaphysical Foundations of Natural Science*. *Philosophy of Science*, 82(4):718–726, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682991.

Pronskikh:2015:BRA

[395] Vitaly Pronskikh. Book review: Allan Franklin, *Shifting Standards: Experiments in Particle Physics in the Twentieth Century*. *Philosophy of Science*, 82(4):727–730, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/682990.

OConnor:2015:BRP

[396] Cailin O'Connor. Book review: Peter Godfrey-Smith, *Philosophy of Biology*. *Philosophy of Science*, 82(4):731–733, October 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/682992`.

Smeenk:2015:P

[397] Chris Smeenk. Preface. *Philosophy of Science*, 82(5):735–736, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/684164`.

Cuffaro:2015:HPE

[398] Michael E. Cuffaro. How-possibly explanations in (quantum) computer science. *Philosophy of Science*, 82(5):737–748, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/683243`.

Nyrup:2015:HER

[399] Rune Nyrup. How explanatory reasoning justifies pursuit: A Peircean view of IBE. *Philosophy of Science*, 82(5):749–760, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/683262`.

Love:2015:ICM

[400] Alan C. Love and Marco J. Nathan. The idealization of causation in mechanistic explanation. *Philosophy of Science*, 82(5):761–774, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/683263`.

Baetu:2015:CME

[401] Tudor M. Baetu. The completeness of mechanistic explanations. *Philosophy of Science*, 82(5):775–786, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/683279`.

Heilmann:2015:NIR

[402] Conrad Heilmann. A new interpretation of the representational theory of measurement. *Philosophy of Science*, 82(5):787–797, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL `http://www.jstor.org/stable/10.1086/683280`.

Fumagalli:2015:NLM

[403] Roberto Fumagalli. No learning from minimal models. *Philosophy of Science*, 82(5):798–809, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683281.

Leonelli:2015:WCS

[404] Sabina Leonelli. What counts as scientific data? A relational framework. *Philosophy of Science*, 82(5):810–821, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684083.

Miyake:2015:RMU

[405] Teru Miyake. Reference models: Using models to turn data into evidence. *Philosophy of Science*, 82(5):822–832, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683322.

Perry:2015:PEQ

[406] Zee R. Perry. Properly extensive quantities. *Philosophy of Science*, 82(5):833–844, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683323.

Robus:2015:DSL

[407] Olin M. Robus. Does science license metaphysics? *Philosophy of Science*, 82(5):845–855, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684023.

Sample:2015:SUA

[408] Matthew S. Sample. Stanford's unconceived alternatives from the perspective of epistemic obligations. *Philosophy of Science*, 82(5):856–866, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683324.

Stanford:2015:CUS

[409] P. Kyle Stanford. Catastrophism, uniformitarianism, and a scientific realism debate that makes a difference. *Philosophy of Science*, 82(5):867–878, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683325.

Benetreau-Dupin:2015:BCP

[410] Yann Benétreau-Dupin. Blurring out cosmic puzzles. *Philosophy of Science*, 82(5):879–891, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683326.

Vassend:2015:CMS

[411] Olav B. Vassend. Confirmation measures and sensitivity. *Philosophy of Science*, 82(5):892–904, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683327.

Pietsch:2015:ATL

[412] Wolfgang Pietsch. Aspects of theory-ladenness in data-intensive science. *Philosophy of Science*, 82(5):905–916, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683328.

Malinsky:2015:HTD

[413] Daniel Malinsky. Hypothesis testing, "Dutch book" arguments, and risk. *Philosophy of Science*, 82(5):917–929, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683341.

Zhang:2015:LCF

[414] Jiji Zhang and Kun Zhang. Likelihood and consilience: On Forster's counterexamples to the likelihood theory of evidence. *Philosophy of Science*, 82(5):930–940, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683342.

Fillion:2015:NMC

[415] Nicolas Fillion and Sorin Bangu. Numerical methods, complexity, and epistemic hierarchies. *Philosophy of Science*, 82(5):941–955, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683343.

Holman:2015:PIB

[416] Bennett Holman and Justin P. Bruner. The problem of intransigently biased agents. *Philosophy of Science*, 82(5):956–968, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683344.

Alexander:2015:CTR

[417] J. McKenzie Alexander. Cheap talk, reinforcement learning, and the emergence of cooperation. *Philosophy of Science*, 82(5):969–982, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684197.

Abrams:2015:CMR

[418] Marshall Abrams. Coherence, Muller's ratchet, and the maintenance of culture. *Philosophy of Science*, 82(5):983–996, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683434.

Huttegger:2015:HPA

[419] Simon M. Huttegger, Justin P. Bruner, and Kevin J. S. Zollman. The handicap principle is an artifact. *Philosophy of Science*, 82(5):997–1009, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683435.

McCaffrey:2015:BHF

[420] Joseph B. McCaffrey. The brain's heterogeneous functional landscape. *Philosophy of Science*, 82(5):1010–1022, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683436.

Zautra:2015:EIE

[421] Nicholas Zautra. Embodiment, interaction, and experience: Toward a comprehensive model in addiction science. *Philosophy of Science*, 82(5):1023–1034, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683437.

Povich:2015:MMB

[422] Mark Povich. Mechanisms and model-based functional magnetic resonance imaging. *Philosophy of Science*, 82(5):1035–1046, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683438.

Tabb:2015:PPA

[423] Kathryn Tabb. Psychiatric progress and the assumption of diagnostic discrimination. *Philosophy of Science*, 82(5):1047–1058, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683439.

Mikhalevich:2015:EAM

[424] Irina Mikhalevich. Experiment and animal minds: Why the choice of the null hypothesis matters. *Philosophy of Science*, 82(5):1059–1069, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683440.

ONeill:2015:WCM

[425] Elizabeth O'Neill. Which causes of moral beliefs matter? *Philosophy of Science*, 82(5):1070–1080, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683441.

Pence:2015:OFB

[426] Charles H. Pence and Grant Ramsey. Is organismic fitness at the basis of evolutionary theory? *Philosophy of Science*, 82(5):1081–1091, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683442.

Kovaka:2015:BIS

[427] Karen Kovaka. Biological individuality and scientific practice. *Philosophy of Science*, 82(5):1092–1103, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683443.

Linquist:2015:ALC

[428] Stefan Linquist. Against Lawton's contingency thesis; or, why the reported demise of community ecology is greatly exaggerated. *Philosophy of Science*, 82(5):1104–1115, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684024.

Matthews:2015:EMP

[429] Lucas J. Matthews. Embedded mechanisms and phylogenetics. *Philosophy of Science*, 82(5):1116–1126, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683444.

Kincaid:2015:OEM

[430] Harold Kincaid. Open empirical and methodological issues in the individualism–holism debate. *Philosophy of Science*, 82(5):1127–1138, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683445.

Skillings:2015:MEB

[431] Derek John Skillings. Mechanistic explanation of biological processes. *Philosophy of Science*, 82(5):1139–1151, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683446.

Stevens:2015:DAP

[432] Syman Stevens. The dynamical approach as practical geometry. *Philosophy of Science*, 82(5):1152–1162, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683447.

Huggett:2015:DGR

[433] Nick Huggett and Tiziana Vistarini. Deriving general relativity from string theory. *Philosophy of Science*, 82(5):1163–1174, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683448.

Rosaler:2015:BBT

[434] Joshua Rosaler. Is de Broglie–Bohm theory specially equipped to recover classical behavior? *Philosophy of Science*, 82(5):1175–1187, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683468.

Norton:2015:WDR

[435] Joshua Norton. Weak discernibility and relations between quanta. *Philosophy of Science*, 82(5):1188–1199, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683647.

Kao:2015:UQH

[436] Molly Kao. Unification and the quantum hypothesis in 1900–1913. *Philosophy of Science*, 82(5):1200–1210, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683648.

Li:2015:CGR

[437] Bihui Li. Coarse-graining as a route to microscopic physics: The renormalization group in quantum field theory. *Philosophy of Science*, 82(5):1211–1223, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684085.

Werndl:2015:RBE

[438] Charlotte Werndl and Roman Frigg. Rethinking Boltzmannian equilibrium. *Philosophy of Science*, 82(5):1224–1235, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683649.

Mayo-Wilson:2015:SC

[439] Conor Mayo-Wilson. Structural chaos. *Philosophy of Science*, 82(5):1236–1247, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684086.

Lombardi:2015:PVA

[440] Olimpia Lombardi, Sebastian Fortin, and Leonardo Vanni. A pluralist view about information. *Philosophy of Science*, 82(5):1248–1259, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683650.

Northcott:2015:OPE

[441] Robert Northcott. Opinion polling and election predictions. *Philosophy of Science*, 82(5):1260–1271, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683651.

Lee:2015:CBP

[442] Carole J. Lee. Commensuration bias in peer review. *Philosophy of Science*, 82(5):1272–1283, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683652.

Keren:2015:SIC

[443] Arnon Keren. Science and informed, counterfactual, democratic consent. *Philosophy of Science*, 82(5):1284–1295, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683653.

Runhardt:2015:ECM

[444] Rosa W. Runhardt. Evidence for causal mechanisms in social science: Recommendations from Woodward's manipulability theory of causation. *Philosophy of Science*, 82(5):1296–1307, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683679.

Marcellesi:2015:EVT

[445] Alexandre Marcellesi. External validity: Is there still a problem? *Philosophy of Science*, 82(5):1308–1317, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684084.

Hey:2015:WTT

[446] Spencer Phillips Hey. What theories are tested in clinical trials? *Philosophy of Science*, 82(5):1318–1329, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683816.

Holman:2015:WMS

[447] Bennett Holman. Why most sugar pills are not placebos. *Philosophy of Science*, 82(5):1330–1343, December 2015. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/683817.

Bradley:2016:CFE

[448] Seamus Bradley and Katie Steele. Can free evidence be bad? Value of information for the imprecise probabilist. *Philosophy of Science*, 83(1):1–28, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684184.

Vanderschraaf:2016:WDS

[449] Peter Vanderschraaf. In a weakly dominated strategy is strength: Evolution of optimality in stag hunt augmented with a punishment option. *Philosophy of Science*, 83(1):29–59, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684166.

Bright:2016:CII

[450] Liam Kofi Bright, Daniel Malinsky, and Morgan Thompson. Causally interpreting intersectionality theory. *Philosophy of Science*, 83(1):60–81, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684173.

Weatherall:2016:MHN

[451] James Owen Weatherall. Maxwell–Huygens, Newton–Cartan, and Saunders–Knox space–times. *Philosophy of Science*, 83(1):82–92, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684080.

Teh:2016:GGU

[452] Nicholas J. Teh. Galileo's gauge: Understanding the empirical significance of gauge symmetry. *Philosophy of Science*, 83(1):93–118, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684196.

Thompson:2016:CTT

[453] J. Robert Thompson. Causing trouble: Theories of reference and theory of mind. *Philosophy of Science*, 83(1):119–130, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684081.

Fresco:2016:IVI

[454] Nir Fresco and Michaelis Michael. Information and veridicality: Information processing and the Bar-Hillel/Carnap Paradox. *Philosophy of Science*, 83(1):131–151, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684165.

Serban:2016:BRW

[455] Maria Serban and Sara Green. Book review: *Why the Small Things in Life Matter: Philosophy of Biology from the Microbial Perspective*. *Philosophy of Science*, 83(1):152–158, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684100.

Stefansson:2016:BRR

[456] H. Orri Stefánsson. Book review: *Review of Evidence, Decision and Causality*. *Philosophy of Science*, 83(1):159–169, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684183.

Anonymous:2016:E

[457] Anonymous. Erratum. *Philosophy of Science*, 83(1):170, January 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). URL http://www.jstor.org/stable/10.1086/684247.

Nguyen:2016:PEB

[458] James Nguyen. On the pragmatic equivalence between representing data and phenomena. *Philosophy of Science*, 83(2):171–191, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Clarke:2016:PPM

[459] Christopher Clarke. Preferences and positivist methodology in economics. *Philosophy of Science*, 83(2):192–212, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Halpern:2016:SCC

[460] Joseph Y. Halpern. Sufficient conditions for causality to be transitive. *Philosophy of Science*, 83(2):213–226, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Kuorikoski:2016:EDT

[461] Jaakko Kuorikoski and Caterina Marchionni. Evidential diversity and the triangulation of phenomena. *Philosophy of Science*, 83(2):227–247, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Demarest:2016:UOC

[462] Heather Demarest. The universe had one chance. *Philosophy of Science*, 83(2):248–264, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Manchak:2016:ETH

[463] John Byron Manchak. Epistemic "holes"' in space–time. *Philosophy of Science*, 83(2):265–276, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Stan:2016:HIS

[464] Marius Stan. Huygens on inertial structure and relativity. *Philosophy of Science*, 83(2):277–298, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2016:RPS

[465] Anonymous. Referees for *Philosophy of Science*. *Philosophy of Science*, 83(2):299–303, April 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2016:Ma

[466] Anonymous. Masthead. *Philosophy of Science*, 83(3):??, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Elga:2016:BH

[467] Adam Elga. Bayesian humility. *Philosophy of Science*, 83(3):305–323, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Cisewski:2016:SBC

[468] Jessi Cisewski, Joseph B. Kadane, Mark J. Schervish, Teddy Seidenfeld, and Rafael Stern. Sleeping Beauty's credences. *Philosophy of Science*, 83(3):324–347, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Icard:2016:PCC

[469] Thomas F. Icard III. Pragmatic considerations on comparative probability. *Philosophy of Science*, 83(3):348–370, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Martinez:2016:CIS

[470] Manolo Martínez and Peter Godfrey-Smith. Common interest and signaling games: a dynamic analysis. *Philosophy of Science*, 83(3):371–392, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Luczak:2016:HAA

[471] Joshua Luczak. On how to approach the approach to equilibrium. *Philosophy of Science*, 83(3):393–411, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

MacLeod:2016:MCR

[472] Miles MacLeod and Michiru Nagatsu. Model coupling in resource economics: Conditions for effective interdisciplinary collaboration. *Philosophy of Science*, 83(3):412–433, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

deVignemont:2016:BEP

[473] Frédérique de Vignemont and Pierre Jacob. Beyond empathy for pain. *Philosophy of Science*, 83(3):434–445, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Winning:2016:RBA

[474] Jason Winning and William Bechtel. Review of *Biological Autonomy*. *Philosophy of Science*, 83(3):446–452, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Schindler:2016:TE

[475] Samuel Schindler. A theory of everything. *Philosophy of Science*, 83(3): 453–458, July 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2016:Mb

[476] Anonymous. Masthead. *Philosophy of Science*, 83(4):??, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sterkenburg:2016:SPO

[477] Tom F. Sterkenburg. Solomonoff prediction and Occam's Razor. *Philosophy of Science*, 83(4):459–479, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Elliott:2016:EOA

[478] Katrina Elliott. Explaining (one aspect of) the principal principle without (much) metaphysics. *Philosophy of Science*, 83(4):480–499, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

deMelo-Martin:2016:RUI

[479] Inmaculada de Melo-Martín and Kristen Intemann. The risk of using inductive risk to challenge the value-free ideal. *Philosophy of Science*, 83 (4):500–520, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See comment [631].

Sterelny:2016:CH

[480] Kim Sterelny. Contingency and history. *Philosophy of Science*, 83(4):521–539, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Davies:2016:CCI

[481] Will Davies. Color constancy, illumination, and matching. *Philosophy of Science*, 83(4):540–562, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Gryb:2016:RHA

[482] Sean Gryb and Karim P. Y. Thébault. Regarding the 'hole argument' and the 'problem of time'. *Philosophy of Science*, 83(4):563–584, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fraser:2016:SSB

[483] James D. Fraser. Spontaneous symmetry breaking in finite systems. *Philosophy of Science*, 83(4):585–605, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Steel:2016:AEI

[484] Daniel Steel. Accepting an epistemically inferior alternative? A comment on Elliott and McKaughan. *Philosophy of Science*, 83(4):606–612, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

OConnor:2016:BHB

[485] Cailin O'Connor and James Owen Weatherall. Black holes, Black–Scholes, and prairie voles: an essay review of *Simulation and Similarity*, by Michael Weisberg. *Philosophy of Science*, 83(4):613–626, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Humphreys:2016:MMM

[486] Paul Humphreys. Models, mathematics, and measurement: a review of *Reconstructing Reality* by Margaret Morrison. *Philosophy of Science*, 83 (4):627–633, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Wright:2016:ROC

[487] Wayne Wright. Review of *Outside Color: Perceptual Science and the Puzzle of Color in Philosophy* by Mazviita Chirimuuta. *Philosophy of Science*, 83(4):634–639, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Autzen:2016:BRE

[488] Bengt Autzen. Book review: Elliott Sober. *Ockham's Razors: a User's Manual*. *Philosophy of Science*, 83(4):640–643, October 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Smeenk:2016:P

[489] Chris Smeenk. Preface. *Philosophy of Science*, 83(5):645–646, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Longino:2016:FB

[490] Helen Longino. Foregrounding the background. *Philosophy of Science*, 83 (5):647–661, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sullivan:2016:CSU

[491] Jacqueline Anne Sullivan. Construct stabilization and the unity of the mind–brain sciences. *Philosophy of Science*, 83(5):662–673, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Weiskopf:2016:IMR

[492] Daniel A. Weiskopf. Integrative modeling and the role of neural constraints. *Philosophy of Science*, 83(5):674–685, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Boone:2016:MA

[493] Worth Boone and Gualtiero Piccinini. Mechanistic abstraction. *Philosophy of Science*, 83(5):686–697, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Craver:2016:EPN

[494] Carl F. Craver. The explanatory power of network models. *Philosophy of Science*, 83(5):698–709, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Muldoon:2016:NMN

[495] Sarah Feldt Muldoon and Danielle S. Bassett. Network and multilayer network approaches to understanding human brain dynamics. *Philosophy of Science*, 83(5):710–720, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Potochnik:2016:SEP

[496] Angela Potochnik. Scientific explanation: Putting communication first. *Philosophy of Science*, 83(5):721–732, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Reutlinger:2016:TMT

[497] Alexander Reutlinger. Is there a monist theory of causal and noncausal explanations? The counterfactual theory of scientific explanation. *Philosophy of Science*, 83(5):733–745, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Chirimuuta:2016:VPH

[498] M. Chirimuuta. Vision, perspectivism, and haptic realism. *Philosophy of Science*, 83(5):746–756, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Massimi:2016:TTS

[499] Michela Massimi. Three tales of scientific success. *Philosophy of Science*, 83(5):757–767, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Cartwright:2016:LTK

[500] Nancy Cartwright. Loose talk kills: What's worrying about unity of method. *Philosophy of Science*, 83(5):768–778, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Kourany:2016:SSK

[501] Janet A. Kourany. Should some knowledge be forbidden? The case of cognitive differences research. *Philosophy of Science*, 83(5):779–790, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Spencer:2016:DHC

[502] Quayshawn Spencer. Do humans have continental populations? *Philosophy of Science*, 83(5):791–802, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Griesemer:2016:RCL

[503] James Griesemer. Reproduction in complex life cycles: Toward a developmental reaction norms perspective. *Philosophy of Science*, 83(5):803–815, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Godfrey-Smith:2016:CLC

[504] Peter Godfrey-Smith. Complex life cycles and the evolutionary process. *Philosophy of Science*, 83(5):816–827, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Herron:2016:FIC

[505] Matthew D. Herron. Fitness and individuality in complex life cycles. *Philosophy of Science*, 83(5):828–834, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

OMalley:2016:REM

[506] Maureen A. O'Malley. Reproduction expanded: Multigenerational and multilineal units of evolution. *Philosophy of Science*, 83(5):835–847, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Birch:2016:HTC

[507] Jonathan Birch. Hamilton's two conceptions of social fitness. *Philosophy of Science*, 83(5):848–860, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Queller:2016:KSD

[508] David C. Queller. Kin selection and its discontents. *Philosophy of Science*, 83(5):861–872, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Okasha:2016:HRI

[509] Samir Okasha. On Hamilton's rule and inclusive fitness theory with non-additive payoffs. *Philosophy of Science*, 83(5):873–883, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Forber:2016:ESR

[510] Patrick Forber and Rory Smead. The evolution of spite, recognition, and morality. *Philosophy of Science*, 83(5):884–896, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

OConnor:2016:EGM

[511] Cailin O'Connor. The evolution of guilt: a model-based approach. *Philosophy of Science*, 83(5):897–908, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Downes:2016:CVS

[512] Stephen M. Downes. Confronting variation in the social and behavioral sciences. *Philosophy of Science*, 83(5):909–920, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Kaiser:2016:LCM

[513] Marie I. Kaiser. On the limits of causal modeling: Spatially-structurally complex biological phenomena. *Philosophy of Science*, 83(5):921–933, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Gebharter:2016:MAM

[514] Alexander Gebharter and Gerhard Schurz. A modeling approach for mechanisms featuring causal cycles. *Philosophy of Science*, 83(5):934–945, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Casini:2016:HMM

[515] Lorenzo Casini. How to model mechanistic hierarchies. *Philosophy of Science*, 83(5):946–958, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Weber:2016:IDB

[516] Marcel Weber. On the incompatibility of dynamical biological mechanisms and causal graphs. *Philosophy of Science*, 83(5):959–971, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Redei:2016:MTA

[517] Miklós Rédei and Zalán Gyenis. Measure theoretic analysis of consistency of the principal principle. *Philosophy of Science*, 83(5):972–987, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bana:2016:FCP

[518] Gergei Bana. On the formal consistency of the principal principle. *Philosophy of Science*, 83(5):988–1001, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Castellani:2016:WCP

[519] Elena Castellani and Jenann Ismael. Which Curie's principle? *Philosophy of Science*, 83(5):1002–1013, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Norton:2016:CT

[520] John D. Norton. Curie's truism. *Philosophy of Science*, 83(5):1014–1026, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fox:2016:NEP

[521] Craig W. Fox. The Newtonian equivalence principle: How the relativity of acceleration led Newton to the equivalence of inertial and gravitational mass. *Philosophy of Science*, 83(5):1027–1038, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Weatherall:2016:UG

[522] James Owen Weatherall. Understanding gauge. *Philosophy of Science*, 83(5):1039–1049, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See erratum [643].

Manchak:2016:GIT

[523] John Byron Manchak. On Gödel and the ideality of time. *Philosophy of Science*, 83(5):1050–1058, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

deHaro:2016:RBD

[524] Sebastian de Haro, Nicholas Teh, and Jeremy Butterfield. On the relation between dualities and gauge symmetries. *Philosophy of Science*, 83(5): 1059–1069, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Hendry:2016:SA

[525] Robin Findlay Hendry. Structure as abstraction. *Philosophy of Science*, 83(5):1070–1081, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fagan:2016:IOC

[526] Melinda Bonnie Fagan. Interventionist omissions: a critical case study of mechanistic explanation in biology. *Philosophy of Science*, 83(5):1082–1097, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Alexandrova:2016:CVV

[527] Anna Alexandrova and Daniel M. Haybron. Is construct validation valid? *Philosophy of Science*, 83(5):1098–1109, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Thompson:2016:EJC

[528] Erica Thompson, Roman Frigg, and Casey Helgeson. Expert judgment for climate change adaptation. *Philosophy of Science*, 83(5):1110–1121, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Goodwin:2016:MFF

[529] William M. Goodwin and Eric Winsberg. Missing the forest for the fish: How much does the 'Hawkmoth Effect' threaten the viability of climate projections? *Philosophy of Science*, 83(5):1122–1132, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Steele:2016:DMT

[530] Katie Steele and Charlotte Werndl. The diversity of model tuning practices in climate science. *Philosophy of Science*, 83(5):1133–1144, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2016:Mc

[531] Anonymous. Masthead. *Philosophy of Science*, 83(5):??, December 2016. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anderson:2017:SAW

[532] Wes Anderson. Some adaptations were not positive causal factors for reproductive success. *Philosophy of Science*, 84(1):1–13, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Lynch:2017:IHC

[533] Kate E. Lynch and Pierrick Bourrat. Interpreting heritability causally. *Philosophy of Science*, 84(1):14–34, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Driscoll:2017:ECC

[534] Catherine Driscoll. The evolutionary culture concepts. *Philosophy of Science*, 84(1):35–55, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Festa:2017:UGB

[535] Roberto Festa and Gustavo Cevolani. Unfolding the grammar of Bayesian confirmation: Likelihood and antilikelihood principles. *Philosophy of Science*, 84(1):56–81, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Schippers:2017:RTA

[536] Michael Schippers. A representation theorem for absolute confirmation. *Philosophy of Science*, 84(1):82–91, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Myrvold:2017:EIU

[537] Wayne C. Myrvold. On the evidential import of unification. *Philosophy of Science*, 84(1):92–114, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bramson:2017:UPM

[538] Aaron Bramson, Patrick Grim, Daniel J. Singer, William J. Berger, Graham Sack, Steven Fisher, Carissa Flocken, and Bennett Holman. Understanding polarization: Meanings, measures, and model evaluation. *Philosophy of Science*, 84(1):115–159, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Franco:2017:ANV

[539] Paul L. Franco. Assertion, nonepistemic values, and scientific practice. *Philosophy of Science*, 84(1):160–180, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Acerbi:2017:BRT

[540] Alberto Acerbi. Book review: Tim Lewens. *Cultural Evolution: Conceptual Challenges*. *Philosophy of Science*, 84(1):181–184, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Wray:2017:BRR

[541] K. Brad Wray. Book review: Robert J. Richards and Lorraine Daston. *Kuhn's Structure of Scientific Revolutions at Fifty: Reflections on a Science Classic*. *Philosophy of Science*, 84(1):184–188, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2017:Ma

[542] Anonymous. Masthead. *Philosophy of Science*, 84(1):??, January 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

DeBona:2017:GIA

[543] Glauber De Bona and Julia Staffel. Graded incoherence for accuracy-firsters. *Philosophy of Science*, 84(2):189–213, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Baumgartner:2017:ATC

[544] Michael Baumgartner and Lorenzo Casini. An abductive theory of constitution. *Philosophy of Science*, 84(2):214–233, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Rosenstock:2017:ENL

[545] Sarita Rosenstock, Justin Bruner, and Cailin O'Connor. In epistemic networks, is less really more? *Philosophy of Science*, 84(2):234–252, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bechtel:2017:ETC

[546] William Bechtel. Explicating top-down causation using networks and dynamics. *Philosophy of Science*, 84(2):253–274, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Doolittle:2017:MMC

[547] W. Ford Doolittle. Making the most of clade selection. *Philosophy of Science*, 84(2):275–295, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Jackson:2017:CEP

[548] John P. Jackson, Jr. Cognitive/evolutionary psychology and the history of racism. *Philosophy of Science*, 84(2):296–314, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Roberts:2017:TMA

[549] Bryan W. Roberts. Three myths about time reversal in quantum theory. *Philosophy of Science*, 84(2):315–334, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Hancox-Li:2017:SCF

[550] Leif Hancox-Li. Solutions in constructive field theory. *Philosophy of Science*, 84(2):335–358, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Climenhaga:2017:HEG

[551] Nevin Climenhaga. How explanation guides confirmation. *Philosophy of Science*, 84(2):359–368, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Stanford:2017:BTJ

[552] P. Kyle Stanford. Bending toward justice. *Philosophy of Science*, 84(2):369–376, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pham:2017:RMM

[553] Michelle Pham. Review of *Making Medical Knowledge*. *Philosophy of Science*, 84(2):377–384, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2017:RPS

[554] Anonymous. Referees for *Philosophy of Science*. *Philosophy of Science*, 84(2):385–390, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2017:Mb

[555] Anonymous. Masthead. *Philosophy of Science*, 84(2):??, April 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Roche:2017:EUN

[556] William Roche and Elliott Sober. Explanation = unification? A new criticism of Friedman's theory and a reply to an old one. *Philosophy of*

Science, 84(3):391–413, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Stegenga:2017:RIE

[557] Jacob Stegenga and Tarun Menon. Robustness and independent evidence. *Philosophy of Science*, 84(3):414–435, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Loew:2017:ACD

[558] Christian Loew. The asymmetry of counterfactual dependence. *Philosophy of Science*, 84(3):436–455, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Schurz:2017:ICR

[559] Gerhard Schurz. Interactive causes: Revising the Markov condition. *Philosophy of Science*, 84(3):456–479, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Emery:2017:NGO

[560] Nina Emery. A naturalist's guide to objective chance. *Philosophy of Science*, 84(3):480–499, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See reply [754].

Bradley:2017:CCA

[561] Richard Bradley, Casey Helgeson, and Brian Hill. Climate change assessments: Confidence, probability, and decision. *Philosophy of Science*, 84(3):500–522, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Garson:2017:GSE

[562] Justin Garson. A generalized selected effects theory of function. *Philosophy of Science*, 84(3):523–543, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Galeazzi:2017:SRR

[563] Paolo Galeazzi and Michael Franke. Smart representations: Rationality and evolution in a richer environment. *Philosophy of Science*, 84(3):544–573, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Weber:2017:WKC

[564] Marcel Weber. Which kind of causal specificity matters biologically? *Philosophy of Science*, 84(3):574–585, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Boyd:2017:FFG

[565] Nora Mills Boyd. Franklin's field guide to scientific experiments. *Philosophy of Science*, 84(3):586–594, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fletcher:2017:ATE

[566] Samuel C. Fletcher. Against the topologists: Essay review of *New Foundations for Physical Geometry*. *Philosophy of Science*, 84(3):595–603, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Shagrir:2017:RPC

[567] Oron Shagrir. Review of *Physical Computation: a Mechanistic Account* by Gualtiero Piccinini. *Philosophy of Science*, 84(3):604–612, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2017:Mc

[568] Anonymous. Masthead. *Philosophy of Science*, 84(3):??, July 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Levinstein:2017:PGE

[569] Benjamin Anders Levinstein. A Pragmatist's guide to epistemic utility. *Philosophy of Science*, 84(4):613–638, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Epstein:2017:FTA

[570] Peter Fisher Epstein. The fine-tuning argument and the requirement of total evidence. *Philosophy of Science*, 84(4):639–658, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Howson:2017:PGS

[571] Colin Howson. Putting on the Garber style? Better not. *Philosophy of Science*, 84(4):659–676, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Belkind:2017:NI

[572] Ori Belkind. On Newtonian induction. *Philosophy of Science*, 84(4):677–697, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Heesen:2017:CIS

[573] Remco Heesen. Communism and the incentive to share in science. *Philosophy of Science*, 84(4):698–716, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Glymour:2017:CUC

[574] Bruce Glymour. Cross-unit causation and the identity of groups. *Philosophy of Science*, 84(4):717–736, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Raz:2017:VPG

[575] Tim Räz. The Volterra Principle generalized. *Philosophy of Science*, 84 (4):737–760, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Echeverri:2017:VRI

[576] Santiago Echeverri. Visual reference and iconic content. *Philosophy of Science*, 84(4):761–781, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Currie:2017:RER

[577] Adrian Currie. Review of *Evidential Reasoning in Archaeology*. *Philosophy of Science*, 84(4):782–790, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Heilmann:2017:BRM

[578] Conrad Heilmann. Book review: Marcel Boumans, *Science Outside the Laboratory: Measurement in Field Science and Economics*. *Philosophy of Science*, 84(4):791–794, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2017:Md

[579] Anonymous. Masthead. *Philosophy of Science*, 84(4):??, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2017:Me

[580] Anonymous. Masthead. *Philosophy of Science*, 84(4):??, October 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Parker:2017:P

[581] Wendy S. Parker. Preface. *Philosophy of Science*, 84(5):795–796, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Romeijn:2017:ICP

[582] Jan-Willem Romeijn. Inherent complexity: a problem for statistical model evaluation. *Philosophy of Science*, 84(5):797–809, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Schupbach:2017:HCB

[583] Jonah N. Schupbach and David H. Glass. Hypothesis competition beyond mutual exclusivity. *Philosophy of Science*, 84(5):810–824, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Schurz:2017:NFL

[584] Gerhard Schurz. No free lunch theorem, inductive skepticism, and the optimality of meta-induction. *Philosophy of Science*, 84(5):825–839, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sprenger:2017:TAA

[585] Jan Sprenger and Jacob Stegenga. Three arguments for absolute outcome measures. *Philosophy of Science*, 84(5):840–852, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Vieland:2017:MSE

[586] Veronica J. Vieland. Measurement of statistical evidence: Picking up where Hacking and others left off. *Philosophy of Science*, 84(5):853–865, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Walsh:2017:NCP

[587] Kirsten Walsh. Newton: From certainty to probability? *Philosophy of Science*, 84(5):866–878, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Burnston:2017:RPB

[588] Daniel C. Burnston. Real patterns in biological explanation. *Philosophy of Science*, 84(5):879–891, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Saatsi:2017:DST

[589] Juha Saatsi. Dynamical systems theory and explanatory indispensability. *Philosophy of Science*, 84(5):892–904, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Skow:2017:LRC

[590] Bradford Skow. Levels of reasons and causal explanation. *Philosophy of Science*, 84(5):905–915, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Wakil:2017:MEB

[591] Samantha Wakil and James Justus. Mathematical explanation and the biological optimality fallacy. *Philosophy of Science*, 84(5):916–930, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Hicks:2017:MFF

[592] Michael Townsen Hicks. Making fit fit. *Philosophy of Science*, 84(5):931–943, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Martinez:2017:SPC

[593] Eduardo J. Martinez. Stable property clusters and their grounds. *Philosophy of Science*, 84(5):944–955, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See erratum [632].

Tan:2017:ICR

[594] Peter Tan. Interventions and counternomic reasoning. *Philosophy of Science*, 84(5):956–969, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Boesch:2017:TSP

[595] Brandon Boesch. There *Is* a special problem of scientific representation. *Philosophy of Science*, 84(5):970–981, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Nguyen:2017:SRT

[596] James Nguyen. Scientific representation and theoretical equivalence. *Philosophy of Science*, 84(5):982–995, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Tulodziecki:2017:ASR

[597] Dana Tulodziecki. Against selective realism(s). *Philosophy of Science*, 84 (5):996–1007, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Holman:2017:EIS

[598] Bennett Holman and Justin Bruner. Experimentation by industrial selection. *Philosophy of Science*, 84(5):1008–1019, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

LeBihan:2017:EDD

[599] Soazig Le Bihan and Iheanyi Amadi. On epistemically detrimental dissent: Contingent enabling factors versus stable difference-makers. *Philosophy of Science*, 84(5):1020–1030, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Romero:2017:NVR

[600] Felipe Romero. Novelty versus replicability: Virtues and vices in the reward system of science. *Philosophy of Science*, 84(5):1031–1043, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Schroeder:2017:UDV

[601] S. Andrew Schroeder. Using democratic values in science: an objection and (partial) response. *Philosophy of Science*, 84(5):1044–1054, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bourrat:2017:DMH

[602] Pierrick Bourrat and Qiaoying Lu. Dissolving the missing heritability problem. *Philosophy of Science*, 84(5):1055–1067, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Brusse:2017:RRD

[603] Carl Brusse and Justin Bruner. Responsiveness and robustness in the David Lewis signaling game. *Philosophy of Science*, 84(5):1068–1079, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fulda:2017:NSM

[604] Fermín C. Fulda. Natural selection, mechanism, and the statistical interpretation. *Philosophy of Science*, 84(5):1080–1092, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Garson:2017:AOF

[605] Justin Garson. Against organizational functions. *Philosophy of Science*, 84(5):1093–1103, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

McConwell:2017:CIP

[606] Alison K. McConwell. Contingency and individuality: a plurality of evolutionary individuality types. *Philosophy of Science*, 84(5):1104–1116, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Molter:2017:MI

[607] Dan Molter. On mushroom individuality. *Philosophy of Science*, 84(5): 1117–1127, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Otsuka:2017:CHC

[608] Jun Otsuka. The causal homology concept. *Philosophy of Science*, 84(5): 1128–1139, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Chirimuuta:2017:CTE

[609] M. Chirimuuta. Crash testing an engineering framework in neuroscience: Does the idea of robustness break down? *Philosophy of Science*, 84(5): 1140–1151, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Dacey:2017:ACB

[610] Mike Dacey. Anthropomorphism as cognitive bias. *Philosophy of Science*, 84(5):1152–1164, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Feest:2017:POR

[611] Uljana Feest. Phenomena and objects of research in the cognitive and behavioral sciences. *Philosophy of Science*, 84(5):1165–1176, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pence:2017:PCC

[612] David Evan Pence. Potential controversies: Causation and the Hodgkin and Huxley equations. *Philosophy of Science*, 84(5):1177–1188, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Dougherty:2017:SSG

[613] John Dougherty. Sameness and separability in gauge theories. *Philosophy of Science*, 84(5):1189–1201, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Lehmkuhl:2017:LVC

[614] Dennis Lehmkuhl. Literal versus careful interpretations of scientific theories: The vacuum approach to the problem of motion in general relativity. *Philosophy of Science*, 84(5):1202–1214, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Manchak:2017:IST

[615] John Byron Manchak. On the inextendibility of space–time. *Philosophy of Science*, 84(5):1215–1225, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Martens:2017:RCA

[616] Niels C. M. Martens. Regularity comparativism about mass in Newtonian gravity. *Philosophy of Science*, 84(5):1226–1238, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

McCoy:2017:CTA

[617] C. D. McCoy. Can typicality arguments dissolve Cosmology's flatness problem? *Philosophy of Science*, 84(5):1239–1252, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Moller-Nielsen:2017:IIM

[618] Thomas Møller-Nielsen. Invariance, interpretation, and motivation. *Philosophy of Science*, 84(5):1253–1264, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Roberts:2017:UO

[619] Bryan W. Roberts. Unreal observables. *Philosophy of Science*, 84(5):1265–1274, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

deOlano:2017:ICS

[620] Pablo Ruiz de Olano. Intimate connections: Symmetries and conservation laws in quantum versus classical mechanics. *Philosophy of Science*, 84(5): 1275–1288, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Werndl:2017:MGB

[621] Charlotte Werndl and Roman Frigg. Mind the gap: Boltzmannian versus Gibbsian equilibrium. *Philosophy of Science*, 84(5):1289–1302, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Zwier:2017:ICT

[622] Karen R. Zwier. Interventionist causation in thermodynamics. *Philosophy of Science*, 84(5):1303–1315, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2017:Mf

[623] Anonymous. Masthead. *Philosophy of Science*, 84(5):??, December 2017. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Rubin:2018:DIF

[624] Hannah Rubin. The debate over inclusive fitness as a debate over methodologies. *Philosophy of Science*, 85(1):1–30, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Ludwig:2018:LGN

[625] David Ludwig. Letting go of “natural kind”: Toward a multidimensional framework of nonarbitrary classification. *Philosophy of Science*, 85(1):31–52, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Cisewski:2018:SMB

[626] Jessi Cisewski, Joseph B. Kadane, Mark J. Schervish, Teddy Seidenfeld, and Rafael Stern. Standards for modest Bayesian credences. *Philosophy of Science*, 85(1):53–78, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Icard:2018:BBR

[627] Thomas F. Icard. Bayes, bounds, and rational analysis. *Philosophy of Science*, 85(1):79–101, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Feintzeig:2018:CAQ

[628] Benjamin H. Feintzeig. On the choice of algebra for quantization. *Philosophy of Science*, 85(1):102–125, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Kao:2018:OED

[629] Molly Kao. Old evidence in the development of quantum theory. *Philosophy of Science*, 85(1):126–143, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Zahle:2018:VDC

[630] Julie Zahle. Values and data collection in social research. *Philosophy of Science*, 85(1):144–163, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Hicks:2018:IRR

[631] Daniel J. Hicks. Inductive risk and regulatory toxicology: a comment on de Melo–Martín and Intemann. *Philosophy of Science*, 85(1):164–174, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See [479].

Anonymous:2018:EEJ

[632] Anonymous. Erratum: Eduardo J. Martinez's "*Stable Property Clusters and Their Grounds*" (in vol. **84**, no. 5, December 2017). *Philosophy of Science*, 85(1):??, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See [593].

Anonymous:2018:Ma

[633] Anonymous. Masthead. *Philosophy of Science*, 85(1):??, January 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Green:2018:WDO

[634] E. J. Green. What do object files pick out? *Philosophy of Science*, 85(2):177–200, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Teh:2018:RRR

[635] Nicholas J. Teh. Recovering recovery: On the relationship between gauge symmetry and Trautman recovery. *Philosophy of Science*, 85(2):201–224, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Franklin:2018:RGE

[636] Alexander Franklin. On the renormalization group explanation of universality. *Philosophy of Science*, 85(2):225–248, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Dewar:2018:MG

[637] Neil Dewar. Maxwell gravitation. *Philosophy of Science*, 85(2):249–270, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Jhun:2018:WPC

[638] Jennifer S. Jhun. What's the point of *Ceteris Paribus*? or, how to understand supply and demand curves. *Philosophy of Science*, 85(2):271–292, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pomatto:2018:ATI

[639] Luciano Pomatto and Alvaro Sandroni. An axiomatic theory of inductive inference. *Philosophy of Science*, 85(2):293–315, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Marxen:2018:BRR

[640] Chad Marxen and Gerard Rothfus. Book review: Richard Pettigrew, *Accuracy and the Laws of Credence*. Oxford: Oxford University Press (2016), 256 pp., $74.00 (cloth). *Philosophy of Science*, 85(2):316–320, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Tabery:2018:BRK

[641] James Tabery. Book review: Kenneth F. Schaffner, *Behaving: What's Genetic, What's Not, and Why Should We Care?* New York: Oxford University Press (2016), xiii + 287 pp., $78.00 (cloth). *Philosophy of Science*, 85(2):321–324, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:RPS

[642] Anonymous. Referees for *Philosophy of Science*. *Philosophy of Science*, 85(2):326–333, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:EJO

[643] Anonymous. Erratum: James Owen Weatherall's *Understanding Gauge* (Philosophy of Science **83**, no. 5 [2016]: 1039–49). *Philosophy of Science*,

85(2):??, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See [522].

Anonymous:2018:Mb

[644] Anonymous. Masthead. *Philosophy of Science*, 85(2):??, April 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:PM

[645] Anonymous. Perspectival modeling. *Philosophy of Science*, 85(3):335–359, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Biddle:2018:AZV

[646] Justin B. Biddle. "Antiscience zealotry"? Values, epistemic risk, and the GMO debate. *Philosophy of Science*, 85(3):360–379, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Rubin:2018:DCS

[647] Hannah Rubin and Cailin O'Connor. Discrimination and collaboration in science. *Philosophy of Science*, 85(3):380–402, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Boyd:2018:EE

[648] Nora Mills Boyd. Evidence enriched. *Philosophy of Science*, 85(3):403–421, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Stroing:2018:DEE

[649] Pascal Ströing. Data, evidence, and explanatory power. *Philosophy of Science*, 85(3):422–441, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Cohen:2018:EJC

[650] Michael Cohen. Explanatory justice: The case of disjunctive explanations. *Philosophy of Science*, 85(3):442–454, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Saatsi:2018:TRL

[651] Juha Saatsi and Alexander Reutlinger. Taking reductionism to the limit: How to rebut the antireductionist argument from infinite limits. *Philosophy of Science*, 85(3):455–482, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Loew:2018:FTA

[652] Christian Loew. Fundamentality and time's arrow. *Philosophy of Science*, 85(3):483–500, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Lean:2018:ISE

[653] Christopher Hunter Lean. Indexically structured ecological communities. *Philosophy of Science*, 85(3):501–522, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:NPR

[654] Anonymous. New perspectives on reductionism in biology. *Philosophy of Science*, 85(3):523–529, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Swanson:2018:RJB

[655] Noel Swanson. Review of Jonathan Bain's *CPT Invariance and the Spin-Statistics Connection*. *Philosophy of Science*, 85(3):530–539, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:RSL

[656] Anonymous. Review of Sabina Leonelli's *Data-Centric Biology: a Philosophical Study*. *Philosophy of Science*, 85(3):540–550, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:Mc

[657] Anonymous. Masthead. *Philosophy of Science*, 85(3):??, July 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Ross:2018:CSP

[658] Lauren N. Ross. Causal selection and the pathway concept. *Philosophy of Science*, 85(4):551–572, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bechtel:2018:ICC

[659] William Bechtel. The importance of constraints and control in biological mechanisms: Insights from cancer research. *Philosophy of Science*, 85 (4):573–593, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bausman:2018:MNN

[660] William C. Bausman. Modeling: Neutral, null, and baseline. *Philosophy of Science*, 85(4):594–616, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Barrett:2018:WDS

[661] Thomas William Barrett. What do symmetries tell us about structure? *Philosophy of Science*, 85(4):617–639, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pober:2018:WER

[662] Jeremy Pober. What emotions really are (in the theory of constructed emotions). *Philosophy of Science*, 85(4):640–659, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Angner:2018:WPR

[663] Erik Angner. What preferences really are. *Philosophy of Science*, 85 (4):660–681, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Blanchard:2018:BEU

[664] Thomas Blanchard. Bayesianism and explanatory unification: a compatibilist account. *Philosophy of Science*, 85(4):682–703, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

ChoGlueck:2018:EGS

[665] Christopher ChoGlueck. The error is in the gap: Synthesizing accounts for societal values in science. *Philosophy of Science*, 85(4):704–725, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Garson:2018:RKN

[666] Justin Garson. Review of Karen Neander's *A Mark of the Mental: In Defense of Informational Teleosemantics*. *Philosophy of Science*, 85(4): 726–734, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Allori:2018:PJL

[667] Valia Allori. Book review: Peter J. Lewis, *Quantum Ontology: A Guide to the Metaphysics of Quantum Mechanics*. Oxford: Oxford University Press (2016), 207 pp., $35.00 (paper). *Philosophy of Science*, 85(4):735–738, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:Md

[668] Anonymous. Masthead. *Philosophy of Science*, 85(4):??, October 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Parker:2018:P

[669] Wendy S. Parker. Preface. *Philosophy of Science*, 85(5):739–740, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Leonelli:2018:TDT

[670] Sabina Leonelli. The time of data: Timescales of data use in the life sciences. *Philosophy of Science*, 85(5):741–754, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

McAllister:2018:SRO

[671] James W. McAllister. Scientists' reuse of old empirical data: Epistemological aspects. *Philosophy of Science*, 85(5):755–766, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fuller:2018:MRE

[672] Jonathan Fuller. Meta-research evidence for evaluating therapies. *Philosophy of Science*, 85(5):767–780, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Keren:2018:PUW

[673] Arnon Keren. The public understanding of what? Laypersons' epistemic needs, the division of cognitive labor, and the demarcation of science. *Philosophy of Science*, 85(5):781–792, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bokulich:2018:REE

[674] Alisa Bokulich. Representing and explaining: The eikonic conception of scientific explanation. *Philosophy of Science*, 85(5):793–805, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pincock:2018:ERC

[675] Christopher Pincock. Explanatory relevance and contrastive explanation. *Philosophy of Science*, 85(5):806–818, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anderl:2018:SSA

[676] Sibylle Anderl. Simplicity and simplification in astrophysical modeling. *Philosophy of Science*, 85(5):819–831, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Lenhard:2018:HEM

[677] Johannes Lenhard. Holism, or the erosion of modularity: a methodological challenge for validation. *Philosophy of Science*, 85(5):832–844, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Ereshefsky:2018:NKM

[678] Marc Ereshefsky. Natural kinds, mind independence, and defeasibility. *Philosophy of Science*, 85(5):845–856, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Elliott:2018:AIF

[679] Kevin C. Elliott. Addressing industry-funded research with criteria for objectivity. *Philosophy of Science*, 85(5):857–868, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Holman:2018:SDC

[680] Bennett Holman and Sally Geislar. Sex drugs and corporate ventriloquism: How to evaluate science policies intended to manage industry-funded bias. *Philosophy of Science*, 85(5):869–881, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pinto:2018:DSI

[681] Manuela Fernández Pinto. Democratizing strategies for industry-funded medical research: a cautionary tale. *Philosophy of Science*, 85(5):882–894, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Steel:2018:WTV

[682] Daniel Steel. Wishful thinking and values in science. *Philosophy of Science*, 85(5):895–905, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Palmerino:2018:DWW

[683] Carla Rita Palmerino. Discussing what would happen: The role of thought experiments in Galileo's dialogues. *Philosophy of Science*, 85(5):906–918, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

VanDyck:2018:IGP

[684] Maarten Van Dyck. Idealization and Galileo's proto-inertial principle. *Philosophy of Science*, 85(5):919–929, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pence:2018:HDD

[685] Charles H. Pence and Grant Ramsey. How to do digital philosophy of science. *Philosophy of Science*, 85(5):930–941, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Plutynski:2018:WHD

[686] Anya Plutynski and Marta Bertolaso. What and how do cancer systems biologists explain? *Philosophy of Science*, 85(5):942–954, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Jones:2018:SEA

[687] Nicholaos Jones. Strategies of explanatory abstraction in molecular systems biology. *Philosophy of Science*, 85(5):955–968, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Huneman:2018:NST

[688] Philippe Huneman. Neutral spaces and topological explanations in evolutionary biology: Lessons from some landscapes and mappings. *Philosophy of Science*, 85(5):969–983, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Brigandt:2018:EMP

[689] Ingo Brigandt. Explanation of molecular processes without tracking mechanism operation. *Philosophy of Science*, 85(5):984–997, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Green:2018:SDD

[690] Sara Green. Scale dependency and downward causation in biology. *Philosophy of Science*, 85(5):998–1011, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pocheville:2018:BIC

[691] Arnaud Pocheville. Biological information as choice and construction. *Philosophy of Science*, 85(5):1012–1025, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Birch:2018:ACH

[692] Jonathan Birch. Animal cognition and human values. *Philosophy of Science*, 85(5):1026–1037, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Scarantino:2018:EES

[693] Andrea Scarantino. Emotional expressions as speech act analogs. *Philosophy of Science*, 85(5):1038–1053, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Piccinini:2018:EPA

[694] Gualtiero Piccinini and Armin Schulz. The evolution of psychological altruism. *Philosophy of Science*, 85(5):1054–1064, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bickle:2018:MOI

[695] John Bickle. From microscopes to optogenetics: Ian Hacking vindicated. *Philosophy of Science*, 85(5):1065–1077, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Robins:2018:MOI

[696] Sarah K. Robins. Memory and optogenetic intervention: Separating the engram from the ecphory. *Philosophy of Science*, 85(5):1078–1089, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sullivan:2018:OPP

[697] Jacqueline Anne Sullivan. Optogenetics, pluralism, and progress. *Philosophy of Science*, 85(5):1090–1101, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Elliott-Graves:2018:GCI

[698] Alkistis Elliott-Graves. Generality and causal interdependence in ecology. *Philosophy of Science*, 85(5):1102–1114, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Eliot:2018:EIC

[699] Christopher H. Eliot. Ecological interdependence via constraints. *Philosophy of Science*, 85(5):1115–1126, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Millstein:2018:ULC

[700] Roberta L. Millstein. Understanding Leopold's concept of "interdependence" for environmental ethics and conservation biology. *Philosophy of Science*, 85(5):1127–1139, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Northcott:2018:EQE

[701] Robert Northcott. The efficiency question in economics. *Philosophy of Science*, 85(5):1140–1151, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Weatherall:2018:PLB

[702] James Owen Weatherall. The peculiar logic of the Black–Scholes model. *Philosophy of Science*, 85(5):1152–1163, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fraser:2018:RFS

[703] James D. Fraser. Renormalization and the formulation of scientific realism. *Philosophy of Science*, 85(5):1164–1175, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Ruetsche:2018:RGR

[704] Laura Ruetsche. Renormalization group realism: The ascent of pessimism. *Philosophy of Science*, 85(5):1176–1189, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Huggett:2018:TES

[705] Nick Huggett and Christian Wüthrich. The (a)temporal emergence of spacetime. *Philosophy of Science*, 85(5):1190–1203, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Weisberg:2018:DGH

[706] Michael Weisberg, Melissa Jacquart, Barry Madore, and Marja Seidel. The dark galaxy hypothesis. *Philosophy of Science*, 85(5):1204–1215, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2018:Me

[707] Anonymous. Masthead. *Philosophy of Science*, 85(5):??, December 2018. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Martens:2019:IFM

[708] Johannes Martens. Inclusive fitness as a measure of biological utility. *Philosophy of Science*, 86(1):1–22, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Stanley:2019:NMF

[709] Matthew L. Stanley, Bryce Gessell, and Felipe De Brigard. Network modularity as a foundation for neural reuse. *Philosophy of Science*, 86(1): 23–46, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Hudetz:2019:DCE

[710] Laurenz Hudetz. Definable categorical equivalence. *Philosophy of Science*, 86(1):47–75, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Clarke:2019:CAR

[711] Christopher Clarke. The correlation argument for reductionism. *Philosophy of Science*, 86(1):76–97, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Grim:2019:DAE

[712] Patrick Grim, Daniel J. Singer, Aaron Bramson, Bennett Holman, Sean McGeehan, and William J. Berger. Diversity, ability, and expertise in epistemic communities. *Philosophy of Science*, 86(1):98–123, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Boyer-Kassem:2019:SER

[713] Thomas Boyer-Kassem. Scientific expertise and risk aggregation. *Philosophy of Science*, 86(1):124–144, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Kinney:2019:EDP

[714] David Kinney. On the explanatory depth and pragmatic value of coarse-grained, probabilistic, causal explanations. *Philosophy of Science*, 86(1): 145–167, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Lawler:2019:LRW

[715] Insa Lawler. Levels of reasons why and answers to why questions. *Philosophy of Science*, 86(1):168–177, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Singer:2019:DRT

[716] Daniel J. Singer. Diversity, not randomness, trumps ability. *Philosophy of Science*, 86(1):178–191, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Heesen:2019:BRT

[717] Remco Heesen. Book review: Thomas Boyer-Kassem, Conor Mayo-Wilson, and Michael Weisberg, eds. *Scientific Collaboration and Collective Knowledge: New Essays*. *Philosophy of Science*, 86(1):192–198, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bickle:2019:BRC

[718] John Bickle. Book review: Carl Gillett. *Reduction and Emergence in Science and Philosophy*. *Philosophy of Science*, 86(1):198–201, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2019:Ma

[719] Anonymous. Masthead. *Philosophy of Science*, 86(1):??, January 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Schickore:2019:SFE

[720] Jutta Schickore. The structure and function of experimental control in the life sciences. *Philosophy of Science*, 86(2):203–218, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

vanEersel:2019:EER

[721] Gerdien G. van Eersel, Gabriela V. Koppenol-Gonzalez, and Julian Reiss. Extrapolation of experimental results through analogical reasoning from latent classes. *Philosophy of Science*, 86(2):219–235, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Stewart:2019:AAC

[722] Rush T. Stewart and Michael Nielsen. Another approach to consensus and maximally informed opinions with increasing evidence. *Philosophy of Science*, 86(2):236–254, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Kaivanto:2019:AIT

[723] Kim Kaivanto and Daniel Steel. Adjusting inferential thresholds to reflect nonepistemic values. *Philosophy of Science*, 86(2):255–285, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

McCutcheon:2019:FLS

[724] Randall G. McCutcheon. In favor of logarithmic scoring. *Philosophy of Science*, 86(2):286–303, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Gasparri:2019:PSO

[725] Luca Gasparri. Phonetic segments and the organization of speech. *Philosophy of Science*, 86(2):304–324, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

OLoughlin:2019:ATS

[726] Ian O'Loughlin and Kate McCallum. The aesthetics of theory selection and the logics of art. *Philosophy of Science*, 86(2):325–343, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Suarez:2019:RSC

[727] Mauricio Suárez and Francesca Pero. The representational semantic conception. *Philosophy of Science*, 86(2):344–365, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Howson:2019:BWF

[728] Colin Howson. A better way of framing Williamson's coin-tossing argument, but it still does not work. *Philosophy of Science*, 86(2):366–374, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Valde:2019:BRD

[729] Katherine Valde. Book review: Daniel J. Nicholson and John Dupré, eds. *Everything Flows: Towards a Processual Philosophy of Biology*. *Philosophy of Science*, 86(2):375–378, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Wieten:2019:KET

[730] Sarah Wieten. Book review: Kevin Elliott. *A Tapestry of Values: an Introduction to Values in Science*. *Philosophy of Science*, 86(2):378–383, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2019:RPS

[731] Anonymous. Referees for *Philosophy of Science*. *Philosophy of Science*, 86(2):384–390, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2019:Mb

[732] Anonymous. Masthead. *Philosophy of Science*, 86(2):??, April 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Wilson:2019:IIA

[733] Robert A. Wilson. Incest, incest avoidance, and attachment: Revisiting the Westermarck effect. *Philosophy of Science*, 86(3):391–411, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Witteveen:2019:NSC

[734] Joeri Witteveen. Natural selection and contrastive explanation. *Philosophy of Science*, 86(3):412–430, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Mollo:2019:TTF

[735] Dimitri Coelho Mollo. Are there teleological functions to compute? *Philosophy of Science*, 86(3):431–452, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Guttinger:2019:NAR

[736] Stephan Guttinger. A new account of replication in the experimental life sciences. *Philosophy of Science*, 86(3):453–471, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Francois:2019:AVS

[737] Jordan François. Artificial versus substantial gauge symmetries: a criterion and an application to the electroweak model. *Philosophy of Science*, 86(3):472–496, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Mohseni:2019:SSD

[738] Aydin Mohseni. Stochastic stability and disagreements between dynamics. *Philosophy of Science*, 86(3):497–521, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Babic:2019:TER

[739] Boris Babic. A theory of epistemic risk. *Philosophy of Science*, 86(3):522–550, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Robinson:2019:EPS

[740] Brian Robinson, Chad Gonnerman, and Michael O'Rourke. Experimental philosophy of science and philosophical differences across the sciences. *Philosophy of Science*, 86(3):551–576, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Burnston:2019:RAP

[741] Daniel C. Burnston. Review of Angela Potochnik's *Idealization and the Aims of Science*. *Philosophy of Science*, 86(3):577–583, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2019:Mc

[742] Anonymous. Masthead. *Philosophy of Science*, 86(3):??, July 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Waters:2019:PAP

[743] C. Kenneth Waters. Presidential Address, PSA 2016: an epistemology of scientific practice. *Philosophy of Science*, 86(4):585–611, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Palacios:2019:PTC

[744] Patricia Palacios. Phase transitions: a challenge for intertheoretic reduction? *Philosophy of Science*, 86(4):612–640, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Knuuttila:2019:DNE

[745] Tarja Knuuttila and Mary S. Morgan. Deidealization: No easy reversals. *Philosophy of Science*, 86(4):641–661, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

McLoone:2019:TIR

[746] Brian McLoone. Thumper the infinitesimal rabbit: a fictionalist perspective on some "unimaginable" model systems in biology. *Philosophy of Science*, 86(4):662–671, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Peden:2019:DIM

[747] William Peden. Direct inference in the material theory of induction. *Philosophy of Science*, 86(4):672–695, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Vassend:2019:NSB

[748] Olav Benjamin Vassend. New semantics for Bayesian inference: The interpretive problem and its solutions. *Philosophy of Science*, 86(4):696–718, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sartenaer:2019:HBS

[749] Olivier Sartenaer. Humeanism, best system laws, and emergence. *Philosophy of Science*, 86(4):719–738, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Shan:2019:NFA

[750] Yafeng Shan. A new functional approach to scientific progress. *Philosophy of Science*, 86(4):739–758, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Woodward:2019:WSL

[751] James Woodward. On Wolfgang Spohn's *Laws of Belief*. *Philosophy of Science*, 86(4):759–772, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See [139, 752].

Spohn:2019:RJW

[752] Wolfgang Spohn. Reply to Jim Woodward's comments on Wolfgang Spohn's *Laws of Belief*. *Philosophy of Science*, 86(4):773–784, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See [139, 751].

Lazarovici:2019:BVG

[753] Dustin Lazarovici. On Boltzmann versus Gibbs and the equilibrium in statistical mechanics. *Philosophy of Science*, 86(4):785–793, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Mitchell:2019:RNE

[754] Sam Mitchell. A reply to Nina Emery. *Philosophy of Science*, 86(4):794–806, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic). See [560].

Dorato:2019:RSP

[755] Mauro Dorato. Review of Simon Prosser's *Experiencing Time*. *Philosophy of Science*, 86(4):807–813, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

dePaz:2019:BRD

[756] María de Paz. Book review: Dominique Raynaud, *Scientific Controversies: A Socio-Historical Perspective on the Advancement of Science*, trans. Lisa C. Chien. New Brunswick, NJ: Transaction (2015), xxii + 298 pp., $110.00 (cloth). *Philosophy of Science*, 86(4):814–817, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2019:Md

[757] Anonymous. Masthead. *Philosophy of Science*, 86(4):??, October 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Anonymous:2019:Me

[758] Anonymous. Masthead. *Philosophy of Science*, 86(5):??, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Elliott:2019:P

[759] Kevin C. Elliott. Preface. *Philosophy of Science*, 86(5):819–820, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Eva:2019:SCS

[760] Benjamin Eva, Reuben Stern, and Stephan Hartmann. The similarity of causal structure. *Philosophy of Science*, 86(5):821–835, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Neal:2019:WCS

[761] Jacob P. Neal. When causal specificity does not matter (much): Insights from HIV treatment. *Philosophy of Science*, 86(5):836–846, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fazekas:2019:HML

[762] Peter Fazekas and Gergely Kertesz. Are higher mechanistic levels causally autonomous? *Philosophy of Science*, 86(5):847–857, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Swaim:2019:RPM

[763] Daniel G. Swaim. The roles of possibility and mechanism in narrative explanation. *Philosophy of Science*, 86(5):858–868, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Massimi:2019:TKE

[764] Michela Massimi. Two kinds of exploratory models. *Philosophy of Science*, 86(5):869–881, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fang:2019:MEM

[765] Wei Fang. Mixed-effects modeling and nonreductive explanation. *Philosophy of Science*, 86(5):882–894, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Feest:2019:WRO

[766] Uljana Feest. Why replication is overrated. *Philosophy of Science*, 86 (5):895–905, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Frost-Arnold:2019:HHM

[767] Greg Frost-Arnold. How to be a historically motivated antirealist: The problem of misleading evidence. *Philosophy of Science*, 86(5):906–917, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Shech:2019:HIM

[768] Elay Shech. Historical inductions meet the material theory. *Philosophy of Science*, 86(5):918–929, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Isaac:2019:ELM

[769] Alistair M. C. Isaac. Epistemic loops and measurement realism. *Philosophy of Science*, 86(5):930–941, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Dewar:2019:SRT

[770] Neil Dewar. Supervenience, reduction, and translation. *Philosophy of Science*, 86(5):942–954, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Fumagalli:2019:FUE

[771] Roberto Fumagalli. (F)utility exposed. *Philosophy of Science*, 86(5):955–966, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Lin:2019:HPT

[772] Hanti Lin. The hard problem of theory choice: a case study on causal inference and its faithfulness assumption. *Philosophy of Science*, 86(5): 967–980, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sterkenburg:2019:MJI

[773] Tom F. Sterkenburg. The metainductive justification of induction: The pool of strategies. *Philosophy of Science*, 86(5):981–992, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Andreas:2019:EC

[774] Holger Andreas. Explanatory conditionals. *Philosophy of Science*, 86(5): 993–1004, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Franco:2019:SAT

[775] Paul L. Franco. Speech act theory and the multiple aims of science. *Philosophy of Science*, 86(5):1005–1015, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

DiMarco:2019:ITV

[776] Marina DiMarco and Kareem Khalifa. Inquiry tickets: Values, pursuit, and underdetermination. *Philosophy of Science*, 86(5):1016–1028, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Dang:2019:DCS

[777] Haixin Dang. Do collaborators in science need to agree? *Philosophy of Science*, 86(5):1029–1040, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

McCusker:2019:WHG

[778] Darcy McCusker. What is the harm in gendered citation practices? *Philosophy of Science*, 86(5):1041–1051, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Koskinen:2019:SIM

[779] Inkeri Koskinen and Kristina Rolin. Scientific/intellectual movements remedying epistemic injustice: The case of indigenous studies. *Philosophy of Science*, 86(5):1052–1063, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Bueter:2019:EIP

[780] Anke Bueter. Epistemic injustice and psychiatric classification. *Philosophy of Science*, 86(5):1064–1074, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Otsuka:2019:SM

[781] Jun Otsuka. Species as models. *Philosophy of Science*, 86(5):1075–1086, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sterner:2019:ESL

[782] Beckett Sterner. Evolutionary species in light of population genomics. *Philosophy of Science*, 86(5):1087–1098, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Neto:2019:WL

[783] Celso Neto. What is a lineage? *Philosophy of Science*, 86(5):1099–1110, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Sencan:2019:TTI

[784] Sinan Sencan. A tale of two individuality accounts and integrative pluralism. *Philosophy of Science*, 86(5):1111–1122, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Koskinen:2019:MRB

[785] Rami Koskinen. Multiple realizability and biological modality. *Philosophy of Science*, 86(5):1123–1133, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Gross:2019:ORM

[786] Fridolin Gross. Occam's Razor in molecular and systems biology. *Philosophy of Science*, 86(5):1134–1145, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Garson:2019:TNA

[787] Justin Garson. There are no ahistorical theories of function. *Philosophy of Science*, 86(5):1146–1156, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Autzen:2019:SRF

[788] Bengt Autzen. Survival, reproduction, and functional efficiency. *Philosophy of Science*, 86(5):1157–1167, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Powell:2019:R

[789] Russell Powell and Eric Scarffe. Rehabilitating “disease”: Function, value, and objectivity in medicine. *Philosophy of Science*, 86(5):1168–1178, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Klein:2019:WJO

[790] Alexander Klein. William James’s objection to epiphenomenalism. *Philosophy of Science*, 86(5):1179–1190, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Zerilli:2019:NRR

[791] John Zerilli. Neural redundancy and its relation to neural reuse. *Philosophy of Science*, 86(5):1191–1201, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Springle:2019:PRR

[792] Alison Ann Springle. Perception, representation, realism, and function. *Philosophy of Science*, 86(5):1202–1213, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Martinez:2019:RRD

[793] Manolo Martínez. Representations are rate-distortion sweet spots. *Philosophy of Science*, 86(5):1214–1226, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Kurth:2019:EPC

[794] Charlie Kurth. Are emotions psychological constructions? *Philosophy of Science*, 86(5):1227–1238, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Michel:2019:MCP

[795] Matthias Michel. The mismeasure of consciousness: a problem of coordination for the perceptual awareness scale. *Philosophy of Science*, 86(5):1239–1249, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Stone:2019:DDC

[796] Caroline Stone. A defense and definition of construct validity in psychology. *Philosophy of Science*, 86(5):1250–1261, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

McCoy:2019:DUC

[797] C. D. McCoy. Did the universe have a chance? *Philosophy of Science*, 86(5):1262–1272, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Menon:2019:AFD

[798] Tushar Menon. Algebraic fields and the dynamical approach to physical geometry. *Philosophy of Science*, 86(5):1273–1283, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Hicks:2019:WES

[799] Michael Townsen Hicks. What everyone should say about symmetries (and how Humeans get to say it). *Philosophy of Science*, 86(5):1284–1294, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Franklin:2019:UR

[800] Alexander Franklin. Universality reduced. *Philosophy of Science*, 86(5): 1295–1306, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Esser:2019:QTA

[801] Stephen Esser. The quantum theory of atoms in molecules and the interactive conception of chemical bonding. *Philosophy of Science*, 86(5): 1307–1317, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Pulkkinen:2019:VCH

[802] Karoliina Pulkkinen. The value of completeness: How Mendeleev used his periodic system to make predictions. *Philosophy of Science*, 86(5): 1318–1329, December 2019. CODEN PHSCA6. ISSN 0031-8248 (print), 1539-767X (electronic).

Broadbent:2013:PE

[803] Alex Broadbent. *Philosophy of Epidemiology*. New directions in the philosophy of science. Palgrave Macmillan, Basingstoke, UK, 2013. ISBN 0-230-35512-9 (hardcover). xxii + 203 pp. LCCN RA652 .B76 2013.

Craver:2013:SMD

[804] Carl F. Craver and Lindley Darden. *In Search of Mechanisms: Discoveries Across the Life Sciences*. University of Chicago Press, Chicago, IL, USA, 2013. ISBN 0-226-03965-X (hardcover), 0-226-03979-X (paperback). xxii + 228 pp. LCCN QH331 .C898 2013.

Dick:2013:DCA

[805] Steven J. Dick. *Discovery and Classification in Astronomy: Controversy and Consensus*. Cambridge University Press, Cambridge, UK, 2013. ISBN 1-107-03361-6 (hardcover). xvi + 458 pp. LCCN QB61 .D53 2013.

Duncan:2012:CFQ

[806] Anthony Duncan. *The Conceptual Framework of Quantum Field Theory*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2012. ISBN 0-19-957326-3. x + 782 pp. LCCN QC174.45 .D86 2012. URL `http://www.loc.gov/catdir/enhancements/fy1306/2012472641-b.html; http://www.loc.gov/catdir/enhancements/fy1306/2012472641-d.html; http://www.loc.gov/catdir/enhancements/fy1306/2012472641-t.html`.

Franklin:2013:SSE

[807] Allan Franklin. *Shifting standards: experiments in particle physics in the twentieth century*. University of Pittsburgh Press, Pittsburgh, PA, USA, 2013. ISBN 0-8229-4430-8 (hardcover). ???? pp. LCCN QC793.412 .F73 2013.

Friedman:2013:KCN

[808] Michael Friedman. *Kant's construction of nature: a reading of the metaphysical foundations of natural science*. Cambridge University Press, Cambridge, UK, 2013. ISBN 0-521-19839-9 (hardcover). xix + 624 pp. LCCN B2786.Z7 F75 2013.

Godfrey-Smith:2014:PB

[809] Peter Godfrey-Smith. *Philosophy of biology*. Princeton foundations of contemporary philosophy. Princeton University Press, Princeton, NJ, USA, 2014. ISBN 0-691-14001-4 (hardcover). 187 pp. LCCN QH331 .G615 2014.

Hudson:2014:STP

[810] Robert Hudson. *Seeing Things: the Philosophy of Reliable Observation*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2014. ISBN 0-19-930328-2. xxiv + 274 pp. LCCN Q175.32.O27.

Kutach:2013:CBF

[811] Douglas Kutach. *Causation and Its Basis in Fundamental Physics*. Oxford studies in philosophy of science. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2013. ISBN 0-19-993620-X (hardcover), 0-19-993621-8 (updf). xiii + 334 pp. LCCN QC6.4.C3 K88 2013.

Pettigrew:2016:ALC

[812] Richard Pettigrew. *Accuracy and the Laws of Credence*. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2016. ISBN 0-19-873271-6. ix + 238 pp. LCCN BD215 .P48 2016.

Schaffner:2016:BWGa

[813] Kenneth F. Schaffner. *Behaving: What's Genetic, What's Not, and Why Should We Care?* Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 2016. ISBN 0-19-517140-3 (hardcover). xiii + 287 pp. LCCN QH457 .S33 2016.

Steel:2015:PPP

[814] Daniel Steel. *Philosophy and the Precautionary Principle: Science, Evidence, and Environmental Policy*. Cambridge University Press, Cambridge, UK, 2015. ISBN 1-107-07816-4, 1-316-05743-7 (e-book). xv + 256 pp. LCCN Q175 .S7356 2015. URL http://www.loc.gov/catdir/enhancements/fy1508/2015288007-b.html; http://www.loc.gov/catdir/enhancements/fy1508/2015288007-d.html; http://www.loc.gov/catdir/enhancements/fy1508/2015288007-t.html.

Strevens:2013:TIP

[815] Michael Strevens. *Tychomancy: Inferring Probability from Causal Structure*. Harvard University Press, Cambridge, MA, USA, 2013. ISBN 0-674-07311-8. xii + 265 pp. LCCN QC174.85.P76 S74 2013.