Title word cross-reference

1 [1282], $120 [1556], $31.00 [1554], $44.95 [1431], $45.00 [1553], $60.00 [1555]. $1 [675]. $1 [675]. 2 [1072]. Φυσικός, Κόσμος [604].


‘3P’ [562]. ‘3P-model’ [562].

5th [906].


Democracy [905, 1583]. democratic [727]. demonstrandum [1340].
Demonstrations [678]. Denkstil [412]. Dennis [1038]. Denver [351].
departments [1480]. Dependence [1474]. Depending [1239]. Depiction
[841]. Deprivation [709]. Depth [860]. Derek [1552, 871]. Descartes
[1038]. description [91]. Descriptive [1263]. Design
democratic [727]. demonstrandum [1340]. Demonstrations [678].
Denkstil [412]. Dennis [1038]. Denver [351].
departments [1480]. Dependence [1474]. Depending [1239]. Depiction
[841]. Deprivation [709]. Depth [860]. Derek [1552, 871]. Descartes
[1038]. description [91]. Descriptive [1263]. Design
799, 1468, 518, 947, 879, 230, 826, 827, 198, 238, 1147. Designed [1277].
Designing [1146, 757]. Detect [1231]. determination [774]. Determining
[741]. Determinism [1014, 1199, 1540, 1541, 1201]. Deterministic [946].
Developmentally [46]. Developmentally-based [46]. Developments
Discerning [914]. Disciples [1306]. Disciplinary [1336]. Discipline
[562, 1276, 171]. Disciplines [1543, 617]. Disciplinis [618]. Disconnections
[724]. Discontinuity [508]. Discourse [952, 971, 1198, 1237]. Discourses
[1202]. Discoveries [1267, 552]. Discovering [1521, 1041, 1305]. Discovery
[968, 561, 685, 401, 1137, 275, 513]. Discursive [1180]. Discuss [1213, 1429].
Discussing [1378, 1324]. Discussion [1440, 516, 80]. discussions
disposition [691]. Dispute [629, 907]. Disputed [1051, 1192]. Dissidents
[1372]. Dissociation [472]. Distance [252]. Distorted [702]. Disunity
[345]. Diversity [1051, 1025, 204]. Divide [1299, 1593, 808]. Divine [1037].
Dixon [1088]. DNA [1196]. Do
[190, 498, 488, 355, 293, 563, 1007, 913, 636, 304, 1528]. Documentary
[1244]. Documenting [1221]. Documents [1587]. Does
[1014, 1073, 483, 355, 401, 625]. dogmatic [161]. Doing [999, 1089].
Douglas [1067, 1329]. Dr. [583]. Drama [1487, 590, 368]. Dramatization
Drop [775, 563]. Duality [1236, 1119, 1352, 1135]. Ducheyne [1056].
During [1175, 912, 921, 1285, 689]. Duschi [1091]. Dutch [921]. Dykstra
Each [636, 1509]. Early


Earth [917, 213, 1590, 795, 766, 394, 794, 1274, 1503, 459, 1173]. Ebach
[1327]. EBI [1364]. Echoes [269, 583]. Eckert [1217]. Ecklund [939].

Eclecticism [1254]. Eco [1164, 1403]. Eco-Driven [1164]. Eco-reflexive
[1403]. Ecocentrism [1103]. Ecofeminism [228]. Ecology [911, 1103].

Economic [438]. Economics [1163]. Ed


[1096, 1062, 1272, 925, 506, 944, 797, 322, 654, 1147, 749, 364, 532, 1561, 717, 657, 772, 1426, 897, 1445, 821, 1479, 159, 691, 67, 126, 721, 30, 688, 22, 72, 55, 738, 730, 38, 138, 23, 47, 727, 164, 165, 146, 98, 15, 150, 736, 4, 147, 39, 90, 97, 106, 81, 723, 151, 152, 1051, 869, 1287, 884, 1319]. Educational

[263, 533, 1424, 1347, 968, 1511, 302, 954, 450, 598, 1437, 611, 911, 420, 444, 602, 369, 214, 507, 1591, 712, 759, 1125, 1527, 1577, 74, 1092]. Educator

[1172]. Educators [703, 488, 218, 556, 1079, 659, 1255, 1071]. Effect

[362, 982, 893, 957, 1353]. Effective [628]. Effectiveness [1235]. Effects

[901]. Ehrenhaft [907]. Eighteenth [678, 921, 996, 1061, 677].

Eighteenth-Century [1061, 677]. Eighth [566, 575]. Einstein

[460, 1334, 243, 1171, 1493]. El-Hani [1289]. Elaborating [171]. Elaine
[939]. Electric [227, 419, 1148, 1231, 1341, 378, 81]. Electrical [378].


History-Based [362].

Hoax [942].

Hoc [291].

Hodge [1153].

Hodson [871].

Hold [302].

Home [1497].

Home-made [1497].

Homo [1008].

Homonymy [914].

Hone [302].

Honor [1345, 881].

Hopkins [1431].

Hormones [740].

Howard [939].

HPS [9, 1095, 1466, 1076].

HPS&ST [1269].

HPST [1515].

Hugo [1304].

Human [1299, 1199, 872, 820, 1257, 1155, 689, 587, 312, 1557, 1557].

Humanism [671].

Humanistic [1106, 413].

Humanities [814, 1152].

Humans [355, 792].

Hungarian [158].

Hungary [934, 242].

Hunter [1209].

Huxley [811].

Huygens [25, 369].

Hybrids [1302].

Hydraulics [675].

Hydrologic [1353].

Hypotheses [291, 637].

Hypothesis [912].

Hypothesis-Generating [912].

Hypothesis-Understanding [912].

Hypothetico [467, 748].

Hypothetism [243].

IBE [1364].

Iberica [933].

Iconic [922].

Icy [753].

Idea [1121, 1333, 1465, 882, 1036].

Ideal [1294, 1110, 1577, 1067].

Idealisation [552].

Idealization [1118, 1111].

Idealized [332].

Ideals [188, 1190].

Ideas [553, 213, 252, 1385, 1425, 953, 423, 715, 1296, 863, 1447, 1293].

Identifying [775, 1097, 1176].

Identities [1265].

Identity [725, 1009].

Ideological [1281, 152].

Ideology [725, 1038, 462, 65].

Ignore [1429].

Ignored [432].

IHPST [566, 575, 951].

II [1357, 64, 278, 1022, 759, 1074, 816, 707].

Illuminate [1189].

Illusion [1552].

Illustrations [229].

Image [452, 493, 956, 1501].

Imagery [1129].

Images [1420, 1572, 931, 925].

Imagination [1210, 1206].

Imagining [784].

Impact [221, 404, 1568, 597, 1488, 1506, 326, 1588, 1562].

impediment [149].

impetus [55].

Implementation [1399, 1240, 172].

Implementing [968, 864, 993].

Implications [985, 67, 869, 810, 1424, 629, 700, 398, 572, 1163, 72, 764, 1230, 582, 496, 1201, 1444, 1558, 283, 1227, 1544, 4, 1046, 594, 1135, 1445].

Implicit [1078, 304, 1074].

Imply [355].

Importance [739, 702].

Important [377].

Improve [865, 595, 687, 1076, 171].

In-Service [776, 1280].

Inclined [925].

Include [713].

Included [1279].

Inclusion [1587].

Incoherence [1198].

incompatibility [153].

Incorporates [768].

Incorporating [1433, 1212].

Increasing [1377, 733].

Index [503].

India [519].

Indirect [1244].


Stevens [853]. Stickers [728]. Still [1307]. Stillman [1328]. Stilts [941].
Strangest [1070]. Strategies [954, 1209, 993, 1297, 1021]. Strategy [984, 316, 226, 516]. Strength [1384]. Strevens [860].
Students [1458, 766, 428, 1366, 436, 419, 258, 1041, 497, 798, 1505, 1558, 393, 1174, 1231, 875, 1183, 1182, 908, 1243, 966, 1049, 817, 312, 1588, 1550, 1100, 199, 690, 83, 80, 722].
Studies [994, 1286, 1320, 639, 1072, 959, 979, 647, 1018, 712, 198, 708, 1153, 489, 706, 1452].
Study [205, 994, 770, 810, 629, 1228, 1536, 764, 598, 340, 1241, 393, 671, 662, 1181, 412, 1266, 599, 745, 1149, 925, 1172, 364, 389, 897, 1293, 13, 89].
Subscribing [301]. Substance [1118, 702]. substantialisation [131].
Susan [918]. Suspensive [1236]. Sustainable [1436, 1125]. sustained [153].
System [1013, 458, 1532]. Systematic [1001]. Systematics [1025].
Systemist [1010]. Systems [1433, 991].

Teaching [1142, 190, 828, 910, 351, 896, 653, 964, 370, 1134, 802, 1075, 1252, 385, 1061, 1456, 969, 923, 1031, 869, 622, 1313, 916, 558, 686, 330, 311, 658,
33


References


REFERENCES


REFERENCES


REFERENCES


Ciparick:1993:L


Giannetto:1993:ITB


Galdabini:1993:UHP


Katz:1993:UHC


Cohen:1993:SHS


Matthews:1993:BR


Suchting:1993:BR


Anonymous:1993:BNc

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Anonymous:1994:BNd


Anonymous:1994:Nd


Suchting:1995:NST


Smith:1995:FIE


deBerg:1995:RPV


deCastro:1995:HAT


Rowell:1995:RAU

REFERENCES


REFERENCES

SCEDE9. ISSN 0926-7220 (print), 1573-1901 (electronic). See reply [133] and response [117].


REFERENCES


REFERENCES


Silverman:1996:SDL


Suchting:1996:MNS


Koertge:1996:TIC


Anonymous:1996:Nc


Anonymous:1996:Cc


Matthews:1997:ICP


Geelan:1997:EAM


Bickhard:1997:CRS

REFERENCES


REFERENCES


REFERENCES

Mellado:1997:PTC


Tobin:1997:BAN


Roth:1997:ESS


Meyling:1997:HCS


Eichinger:1997:DGL


Nola:1997:BR


Matthews:1997:BN

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Anonymous:1999:Cc


Anonymous:1999:Ea


Chalmers:1999:TYA


Worrall:1999:TCN


Clarke:1999:ECE


Bamford:1999:WPA


Sievers:1999:TDR


Musgrave:1999:HDI

REFERENCES


REFERENCES

September 1999. CODEN SCEDE9. ISSN 0926-7220 (print), 1573-1901 (electronic). See [299] and reply [305].


REFERENCES


REFERENCES


REFERENCES


[356] E. W. Jenkins. Constructivism in school science education: Powerful model or the most dangerous intellectual tendency? Science & Education

Davson-Galle:2000:CGS


Garrison:2000:RDG


Irzik:2000:BBP


Matthews:2000:BN


Matthews:2001:E


Galili:2001:EHB


Kipnis:2001:SCT


Wang:2001:HPS

REFERENCES


[378] Jerome Viard and Francoise Khantine-Langlois. The concept of electrical resistance: How Cassirer’s philosophy, and the early developments of electric circuit theory, allow a better understanding of students’ learning


REFERENCES


[393] Tapio Keranto. The perceived credibility of scientific claims, paranormal phenomena, and miracles among primary teacher students: A compar-

---

[392] Lattery:2001:TEP


REFERENCES


REFERENCES


[Anonymous:2002:Cb]


[Ahlgren:2002:MST]


[Carson:2002:ENI]


[Guisasola:2002:ECC]


[Levrini:2002:RBC]


[Cotignola:2002:DLT]

REFERENCES


REFERENCES


REFERENCES


Dodick:2003:GHS


Stinner:2003:LKA


Fowler:2003:NGE


Anonymous:2003:Cb


Sather:2003:CIA


Rudge:2003:RPF


Slowik:2003:MMS

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[517] Lone Morris Jorgensen and Sue Ann Ryan. Relativism, values and morals in the New Zealand Curriculum Framework. *Science & Edu-
REFERENCES

102


Ben-Ari:2004:RND


Nola:2004:BRM


Anonymous:2004:BNa


Anonymous:2004:N


Anonymous:2004:Cb


Matthews:2004:PPS


Peters:2004:PCR

REFERENCES


Barnes:2004:PVT


Ezrailson:2004:ADP


Galili:2004:PAI


Manabu:2004:RSU


Anonymous:2004:BNb


Davson-Galle:2004:PSC


Marroum:2004:RIS

Roscoe:2004:LTC


Smith:2004:KBU


Cobern:2004:AOR


Davson-Galle:2004:UKB


Lawson:2004:RAP


Matthews:2004:I


Weltner:2004:ITN


Medina:2004:ECS

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Paavola:2005:KCM


Waldegg:2005:BAP


Clary:2005:TLG


Skordoulis:2005:IND


Karakostas:2005:RVC


Halkia:2005:CED


Mihas:2005:HAT


Dedes:2005:MVC


Maniati:2005:EUE


Kindi:2005:SST


Rentzos:2005:ITC


Patsopoulos:2005:RCE

REFERENCES


March 2006. CODEN SCEDE9. ISSN 0926-7220 (print), 1573-1901 (electronic).


REFERENCES

304, March 2006. CODEN SCEDE9. ISSN 0926-7220 (print), 1573-1901 (electronic).


REFERENCES


[641] José Ramón Bertomeu Sánchez and Antonio García Belmar. Pedro Gutiérrez Bueno’s textbooks: Audiences, teaching practices and chemical


[648] Irina Gouzevitch. The editorial policy as a mirror of Petrine reforms: Textbooks and their translators in early 18th century Russia. *Science


REFERENCES


[662] Terhi Mäntylä and Ismo T. Koponen. Understanding the role of measurements in creating physical quantities: A case study of learning to


REFERENCES


Wolfschmidt:2007:PAM


Roberts:2007:DBW


Lehman:2007:PDC


Daniel:2007:SFB


Morus:2007:TCE


Euler:2007:REM


Metz:2007:RHE


REFERENCES


William W. Cobern and Cathleen C. Loving. An essay for educators: Epistemological realism really is common sense. *Science & Education*
REFERENCES


[710] Christopher Ayala, Steven Borawski, and Jonathon Miller. Replication and pedagogy in the history of psychology V: The metronome and Wilhelm Wundt’s search for the components of consciousness. Science & Ed-
REFERENCES

Athy:2008:RPH


Ranney:2008:SHR


Davson-Galle:2008:WCS


Cavicchi:2008:HES


Mihas:2008:DIR


Lattery:2008:LDM


Zeidler:2008:SEI

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[753] David J. Stump. Pragmatism, activism, and the icy slopes of logic in George Reisch’s portrait of the philosophy of science as a Young field.
REFERENCES


REFERENCES


Malamitsa:2009:DGP


SantosDoCarmo:2009:GTB


Baptista:2009:CEC


Heering:2009:E


Zemplen:2009:PSF


Rudge:2009:ERA


Metz:2009:WWT

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Bottcher:2011:ASE


Delgado:2011:NHS


Kalman:2011:ESC


Matthews:2011:BRA


Arp:2011:BRS


Jenson:2011:BRA


Nola:2011:BRM

REFERENCES


Lindeman:2011:CKC


Pigliucci:2011:WMI


Losh:2011:CCP


Turgut:2011:CDN


Eder:2011:RBP


Good:2011:BRL

REFERENCES


REFERENCES


Piliouras:2011:PPT


Arapaki:2011:PTR


deBerg:2011:JP


Jankvist:2011:NAH


Heeer:2011:HOA


Vera:2011:BCV


BouJaoude:2011:MEL

[901] Saouma BouJaoude, Jason R. Wiles, Anila Asghar, and Brian Alters. Muslim Egyptian and Lebanese students’ conceptions of biological evo-
REFERENCES

1. Thagard:2011:BRF


3. Lindahl:2011:BRA


REFERENCES


REFERENCES


Machamer:2012:BRL


Schirrmacher:2012:PSB


Mergoupi-Savaidou:2012:STG


Simoes:2012:RWR


Herran:2012:SGG


Frank:2012:TLS

References


REFERENCES


[961] Elder Sales Teixeira, Ileana Maria Greca, and Olival Freire Jr. The history and philosophy of science in physics teaching: A research synthesis
REFERENCES


REFERENCES


REFERENCES


REFERENCES

Virues-Ortega:2012:PNI

Deleporte:2012:SEV

Wan:2012:ASB

Marquis:2012:MBP

Cavallo:2012:MBD

Bunge:2012:DQP

Erduran:2012:SIR

Kampourakis:2013:PCTa


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Assis:2013:BRK


Simonneaux:2013:BRT


Siegel:2013:BRS


Turner:2013:BRK


Henry:2013:BRS


McCain:2013:BRR


Niaz:2013:BRK

REFERENCES


Rowlands:2013:BRC


Lujan:2013:BRH


Shank:2013:BRJ


vanDijk:2013:BRM


Stinner:2013:BRG


Taber:2013:BRM


Chalmers:2013:HCW


[1079] Zhi Hong Wan, Siu Ling Wong, and Ying Zhan. When nature of science meets Marxism: Aspects of nature of science taught by Chinese science teacher educators to prospective science teachers. Science & Education
REFERENCES


REFERENCES


REFERENCES


REFERENCES


Kendig:2013:IHP


Tsaparlis:2013:SKN


Patronis:2013:EME


Legates:2013:LTC


Bedford:2013:ASC


deBerg:2013:BRN

REFERENCES


REFERENCES


REFERENCES


[1176] Pratchayapong Yasri, Shagufta Arthur, Mike U. Smith, and Rebecca Maney. Relating science and religion: An ontology of taxonomies and


Jenny Donovan and Grady Venville. Blood and bones: The influence of the mass media on Australian primary school children’s understand-


REFERENCES


REFERENCES


[1230] Ileana M. Greca, Eugenia Seoane, and Irene Arriasecq. Epistemological issues concerning computer simulations in science and their implications


REFERENCES


Tolvanen:2014:HUH


Karam:2014:CTA


Juuti:2014:LEM


Gerontas:2014:CNT


Levrini:2014:MDC


Croft:2014:CSC

Lovheim:2014:SES


Jiang:2014:ANS


Asikainen:2014:PPS


Guo:2014:PST


Allen:2014:RN


Garik:2014:RBU


Holton:2014:NMT

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Anderson:2015:BRP


Underwood:2015:BRG


Henke:2015:PTC


Garik:2015:TCH


Schiffer:2015:EVF


Tala:2015:NSC

REFERENCES


REFERENCES

Kneubil:2015:PTM


Karam:2015:QED


Mantyla:2015:OLT


Radtka:2015:NBB


Matthews:2015:RYJ


Kampourakis:2015:SMR


Holton:2015:WML


Leden:2015:TWT


Bagdonas:2015:ETA


Archila:2015:UHP


Ruse:2015:CTM


Minelli:2015:SPP


Kragh:2015:QD


Jimenez-Aleixandre:2015:RNS

REFERENCES


Kampourakis:2016:NSS


Park:2016:ULP


Tumay:2016:ELD


Bryce:2016:MMG


Rosenhouse:2016:MAE


Galili:2016:CBS


Dagher:2016:RNS


REFERENCES

Koliopoulos:2016:TLE


Freire:2016:MCS


Pinheiro:2016:RMI


Kampourakis:2016:PP


Brigandt:2016:WDB


Chen:2016:EEES


Sjostrom:2016:TER

References


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Galili:2016:TWG


Boyer:2016:PET


Rundgren:2016:IIK


Burgin:2016:DAR


Wan:2016:VC


Kaya:2016:FRH


[1468] Ralph M. Barnes, Rebecca A. Church, and Samuel Draznin-Nagy. The nature of the arguments for Creationism, intelligent design, and evolu-
REFERENCES

238


Gouvea:2017:MVM


Garcia-Carmona:2017:UNS


McLaughlin:2017:ETC


Herbert:2017:CAP


King:2017:CNH


Flodin:2017:CCD


Brooke:2017:DR

REFERENCES

Matthews:2017:PPE


Timberlake:2017:JKM


Hamlin:2017:YSM


vonLinsingen:2017:PLS


Kampourakis:2017:STU


Haglund:2017:GUL


Moreira-dos-Santos:2017:BUK


Xiao:2017:ABA

[1483] Sihan Xiao and William A. Sandoval. Associations between attitudes towards science and children’s evaluation of information about socio-


REFERENCES


REFERENCES

Kotter:2017:CB


Leden:2017:BW


Yacoubian:2017:A


Cavicchi:2017:S


Ostergaard:2017:ER


Reiners:2017:CA


Kampourakis:2017:HPS

REFERENCES


REFERENCES


[1520] Muhammet Mustafa Alpaslan, Bugrahan Yalvac, and Cathleen Loving. High school physics students’ personal epistemologies and school science


REFERENCES


Sadar:2018:BRH


Osborne:2018:BRF


Crippen:2018:BRW


Kampourakis:2018:BRH


Kelly:2018:DEA

REFERENCES


Lyons:2018:SCE


Luthy:2018:RSV


Davson-Galle:2018:RSI


Kampourakis:2018:WII


Yucel:2018:SOE


Garcia-Carmona:2018:NSP


REFERENCES


Zemplen:2018:SEI


Stern:2018:AMN


Kotter:2018:SCC


Freire:2018:DBS


Buklijas:2018:LR


Leuschner:2018:DIR

REFERENCES

Kampourakis:2018:DDR


Kampourakis:2018:MCS


Kersting:2018:UCS


Lessl:2018:NEN


Olson:2018:INS


Tsybulsky:2018:CIT


Nylehn:2018:SCG

REFERENCES


