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Title word cross-reference

[HJK20]. **-Subdivision** [ZZ21]. **-wave** [KA20].

(k, t) [EMYRV21]. $\{1, 2, 3\}$ [YYL⁺20]. $*$ [RW20]. C [KRR20]. g [qLIHG20, YLW21, ZM21]. i^* [SK22]. K [PG22, GCH21, LZL⁺21, YFA20]. m [KA20]. n [GCH21, WZ20]. p [BJ22, HJK20]. Q [LdXZ⁺21, ZZ21]. $|(n, k)|$ [YYL⁺20].

256 [LSG⁺20]. **2D** [MMK22]. **2D&3D** [MK20].

3D [ANA⁺22, MMK22, NCL22, SZL22].

6 [YYLX21].

ABE [LSX⁺21]. **Abnormalities** [VKM21]. **Abstract** [NAD21]. **Accelerate** [MKI20]. **Access** [PCMPCA⁺20]. **Accident** [KAMA22]. **Accountable** [ZWG⁺20]. **Accuracy** [SR20, SD20]. **Accurate** [PiKT21]. **Acoustic** [LLY⁺21, SLC⁺20]. **Acquisition** [DFS⁺21a, WG21, WZQ⁺22]. **Action** [BIZA21, OB21]. **Active** [SB20].

-Adic [BJ22]. **-Anonymity** [YFA20]. **-ary** [GCH21]. **-Cubes** [WZ20, GCH21]. **-Enhanced** [YYL⁺20]. **-Extra** [YLW21, ZM21]. **-Good-Neighbor** [qLIHG20]. **-Learning** [LdXZ⁺21]. **-Mean** [KRR20]. **-means** [LZL⁺21]. **-Means-SMOTE-ENN** [PG22]. **-Metric** [EMYRV21]. **-Restricted** [YYL⁺20]. **-Star**

Adaptability [BYYS21]. **Adaptive** [AKI20, AKA⁺21, HZW21, LZL20, MS20, RD20, WWY⁺20b, XCC20, YWY21]. **Adaptively** [LZ20b]. **Additional** [PMMS22]. **Adic** [BJ22]. **Adjustment** [Gan20, RA22b]. **Adopting** [AHI22]. **Advanced** [MFHhK21]. **Adversarial** [ASP22]. **Adversary** [Ala20]. **AE** [ZLD⁺20]. **AFDX** [TBH21]. **Affect** [WSA22]. **Against** [Ala20, LWS⁺21, LMH⁺21, LHW21, YWHY20, LZX⁺22, YCL⁺20]. **Age** [SAR⁺22]. **Age-invariant** [SAR⁺22]. **Agriculture** [DFS⁺21a]. **Agricultural** [SP20a]. **Aided** [ASSA21, Gök21, ML20]. **Algebra** [HPV⁺21]. **Algeria** [DH21]. **Algorithm** [ASSA21, AKA⁺21, BRA21, BGHG22, CZH⁺21, CKA21, DFS⁺21b, EO21, FSN21, GS22, GG22, JZD21, KA20, KSG22, KKK21, LC20, LYK⁺20, LdXZ⁺21, LHL21, LL21, LPP21, LZL⁺21, Nar22, OMG22, PTH⁺21, PiKT21, Rat20, SRC20, SP20b, SJ22, SLC⁺20, TTPD21, VB21, YSH⁺22]. **Algorithm-Based** [Rat20, SP20b]. **Algorithm-Switching-Based** [LYK⁺20]. **Algorithms** [LWL⁺22, QGL⁺22, SZX20, YCZ⁺22, YFA20]. **Allocation** [DY21, JCY⁺20, JTGJ20, SGGM21]. **Almost** [MH21]. **Alternating** [GHC21, HLX22]. **Always** [QXZZ21]. **AmBC** [ZZL20]. **Amount** [AA20]. **Amplification** [QYZ⁺21]. **Analogy** [WBG21]. **Analogy-Centered** [WBG21]. **Analysis** [AÖ21, BRA21, ÇÖİ21, DH21, GKK22, GHC21, HCZ⁺21, HZY21, KAMA22, LWS⁺21, LHLY20, MK20, MKS⁺22, PC22, PGV⁺22, SR20, SK22, XG22, Zar20, ZZL20, ZTK21, SGGM21]. **Analytics** [SV22]. **Android** [ErEE20, YAHVC20]. **Anisotropic** [BSM21]. **Anomaly** [PVFP22a, PVFP22b, WHL22, WGL⁺22]. **Anonymity** [YFA20]. **Anonymous** [MH21]. **Antennas** [WWY20a]. **Antioxidant** [GR21]. **AODV** [KSG20b]. **Application** [HJ20, LZL20, MA20, PS20]. **Applications** [ErEE20, GHC20, HLJW22, JZD21, KCLH21, LWX22, RK21, RMSMAH⁺20, WtZLS20, WZXX20]. **Applying** [BFM22]. **Appraisal** [TEGB22]. **Approach** [AKA⁺22, ASM⁺21, AKD⁺21, AR21, BFG⁺21, DAR22, FFH22, HLML21, HPV⁺21, HAWA⁺22, HH22, KGA22, KSG20b, KP20, MNN20, PDO22, RMSMAH⁺20, SA22, SSMS22, SB20, WLZ20, YFA20]. **Approximate** [FPT22]. **Arabic** [TEGB22]. **Arbitrary** [SIT20]. **Arbitrary-Shaped** [SIT20]. **Architecture** [KKM21, LYK⁺20, PAO20, SR20]. **Architectures** [MNN20]. **Area** [BRA21, PMMS22]. **Argumentation** [NAD21]. **Arguments** [YD21]. **Armed** [AV20]. **Array** [HCZ⁺21]. **Arrays** [BKS21]. **Artifact** [ANA⁺22]. **Artificial** [EO21, Gok22, HH22, KS20a, KKK21, KTK21, LH20, OMG22, SD20]. **Ary** [WZ20, GCH21]. **Aspect** [LHLY20, LH21]. **Aspect-based** [LHLY20]. **Asperger** [aBWH⁺22]. **Assess** [Meg20, PK20, PK22]. **Assessment** [MG22, NCL22, ZHP21]. **Assets** [PAO20]. **Assignment** [BC22]. **Assisted** [MM21, SSMS22, SS22]. **Associated** [PCMPCA⁺20]. **Assortativity** [Meg20]. **Assumption** [LLGC20]. **Asymptotic** [ZY21]. **Asynchronous** [DLP⁺21]. **Attack** [JLH20, LMH⁺21]. **Attacks** [AAJ⁺20, LWS⁺21, LSG⁺20, LZX⁺22, MG21, WCD21, YWHY20, YCL⁺20, ZLD⁺20, ZZD⁺21]. **Attention** [HLL22, ZWM22]. **Attribute** [CLG⁺20, LHW21]. **Attribute-Based** [CLG⁺20, LHW21]. **Attributed** [LSH⁺22]. **Auditor** [MHAR20]. **Augmented** [GCH21, WZ20]. **Auscultation** [Gök21]. **Authentic** [HAWA⁺22]. **Authenticated** [SJHL21]. **Authentication** [CHWM21]. **Authority** [ZWG⁺20]. **Authorization**

[LZG⁺21b]. **Authorship** [FYH20]. **Autism** [GCD21]. **Auto** [SII22]. **Auto-Scale** [SII22]. **Automata** [MMR22]. **Automated** [SSS⁺22]. **Automatic** [JMV22, MA20, RMSMAH⁺20]. **Automation** [CDCN21]. **Availability** [GQL⁺20]. **Aware** [AKD⁺21, CHWM21, Gan20, LZL20, LZY20, LSC⁺22, NJ21, DY21, SGGM21].

Bag [PG22]. **Bag-Boost** [PG22]. **Balanced** [GCH20]. **Balancing** [CLM⁺20, HZZ20, LWL⁺22]. **Band** [WWY⁺20b]. **Bandit** [AR21]. **Bandits** [AV20]. **Bandwidth** [VD20]. **Bankruptcy** [ASM⁺21]. **Based** [ASPB22, ANA⁺22, AEZ20, ASSA21, AHI22, AVA21, AA20, aBWH⁺22, BGHG22, CHT20, CLG⁺20, CDCN21, DFS⁺21b, EO21, FZH21, FGM21, GK21, GZL⁺21, GSFS21, GS22, GG22, HLML21, HWS21, HFT22, HSL⁺22, JCY⁺20, KS21, KGA22, KSG22, KS20a, KYAN21, KKM21, KP20, KRR20, LYK⁺20, LLG⁺20, LLGC20, LHL21, LL21, LZQL22, LSQ20, LWM⁺22, LMH⁺21, LH20, LPP21, LTH21, LHW21, LZL⁺21, LDC⁺21, MS20, MYB20, MM20, MMK22, NB21, NCL22, PK22, PS20, PTH⁺21, PJ20, QGL⁺22, QZTZ21, Rat20, RAD20, RKA⁺22, SP20b, SCH⁺20, SJHL21, SV22, SD20, SSMS22, SS20, SZX20, SJ20, TEHG22, VKM21, WG21, WQZ⁺22, WZQ⁺22, WGL⁺22, WBG21, WZG⁺20, XDZ22, YDS⁺20, YCZ⁺22, YFA20, ZM21, ZWG⁺20, ZZL20, ZYW⁺20, CZLY21, ÇÖİ21, CKA21, DFS⁺21a, HZZ20, JMV22, LHLY20, MG22, RD20, SS22, Sha21, SIT20]. **Bayesian** [AR21, MM20, PJ20]. **Bayesian-Based** [MM20]. **BC** [LSG⁺20]. **BCDC** [LCF⁺21]. **BD** [PJ20]. **Be** [GGJM21, LHW21]. **Beamforming** [WWY20a]. **Bee** [EO21, KKK21, OMG22]. **Beetle** [KB22]. **Behavior** [GKK22, PC22]. **Behavioral** [SCH⁺20]. **Behaviour** [BJ22]. **Belief** [BGHG22, PXWL22, Sha21]. **Best** [JZD21, NJ21]. **Best-Worst** [NJ21]. **Better** [ASM⁺21, CPN⁺21]. **Between** [LLF⁺21, YLW21]. **Biased** [AM20]. **Bidirectional** [LH22]. **Big** [WQZ⁺22, SGGM21]. **Bike** [HSL⁺22]. **Bike-Sharing** [HSL⁺22]. **Bilinear** [ZYW⁺20]. **Binary** [FGC22, KP20, WSA22]. **Binding** [WZXX20]. **Biomarkers** [KD21]. **Biomedical** [KGA22]. **Biometric** [ANG20, Gok22, WSA22]. **Birds** [HLL22]. **Biterm** [ZC⁺22]. **Black** [ZWG⁺20]. **Black-Box** [ZWG⁺20]. **Blind** [DST20, LLG⁺20, Nar22, SLC⁺20]. **Block** [HLJW22, YLZ20]. **Blockchain** [ATZ⁺21, AVA21, LWL⁺22, YLZ20]. **Blockchain-Based** [AVA21]. **Blog** [BS21]. **Body** [BRA21]. **Boost** [PG22]. **Both** [LWX22]. **Bounded** [LZH⁺20]. **Box** [ZWG⁺20, LZX⁺22]. **boxes** [HLJW22]. **Brain** [CKA21, KB22, NBTB20]. **Breast** [RA22b, SRL20]. **Broad** [LWM⁺22]. **BSO** [KYAN21]. **Budget** [LZY20]. **Budget-Feasible** [LZY20]. **Building** [SD20]. **Buildings** [LHL21]. **Bumps** [SZL22]. **Byte2vec** [YAHVC20].

Cache [LYK⁺20, SV22]. **Cache-Enabled** [SV22]. **CalBehav** [SCH⁺20]. **Calendar** [SCH⁺20]. **Call** [DFS⁺21a]. **Camera** [ZZJZ20]. **Cancer** [ASPB22, GG22, RA22b, SRL20, SSS⁺22]. **Cancerous** [SSS⁺22]. **Capabilities** [PMMS22]. **Capability** [LLY⁺21]. **Captions** [PK20]. **Capture** [LH22]. **Cardinality** [BCS22]. **Carrying** [YCZ⁺22]. **Case** [ÇÖİ21, DFS⁺21b]. **Case-Based** [DFS⁺21b]. **Categorization** [VS21]. **Categorizing** [Wan21]. **Cavity** [SSS⁺22]. **Cayley** [LX20, RW20]. **CCA** [MH20, MH21]. **CCA-Almost-Full** [MH21]. **CCA2** [LSX⁺21]. **Cell** [FSN21]. **Cement** [Sha21]. **Center** [DFS⁺21a, HZZ20, LCF⁺21]. **Centered**

[WBG21]. **Central** [HSL⁺22]. **Centrality** [JMV22, LZ20a, QZTZ21]. **Centrality-based** [JMV22]. **Centric** [Zar20]. **Certificate** [ZYW⁺20]. **Certificate-Based** [ZYW⁺20]. **Certificateless** [LSY⁺20, LWS⁺21, YWHY20]. **Cervical** [GG22]. **CFTP** [VD20]. **CGH** [TTPD21]. **Chain** [KSG20b, LTH21]. **Change** [KRR20]. **Changes** [MYB20]. **Channel** [ANA⁺22, MM20, RM22]. **Chaotic** [ANG20]. **Character** [GZL⁺21, LPP21, RKA⁺22]. **Characteristics** [MA20]. **Characterization** [LZH⁺20]. **Charging** [CHT20]. **Checking** [MKI20, PDO22]. **Chest** [PXWL22]. **Chicken** [CKA21]. **Children** [GCD21]. **China** [DFS⁺21a]. **Choice** [SWJkL20]. **Chronic** [Gök21]. **Cipher** [JLH20, MG21]. **Ciphers** [HLJW22]. **Cities** [HJ20]. **City** [AKA⁺22, HJ20]. **Class** [PG22]. **Classification** [ASPB22, ATZ⁺21, CZH⁺21, CKA21, GG22, GCD21, KB22, LHL21, LH21, MK20, NB21, NBTB20, OMG22, PKLK21, WQZ⁺22]. **Classifier** [BIZA21]. **Clauses** [Wil22]. **Closed** [PK20, PXWL22]. **Closure** [MMR22]. **Cloud** [ANKZ⁺22, AHI22, GS22, GQL⁺20, JCY⁺20, LZL20, LZG⁺21b, MHAR20, NJ21, PAO20, QMR⁺20, RK21, SRC20, SSMS22, SZX20, TEHG22, SGGM21]. **cloud-aware** [SGGM21]. **Cloud-Based** [AHI22]. **Cloud-Edge** [JCY⁺20]. **Clouds** [CLM⁺20, LZQL22, SII22]. **Cluster** [KYAN21, KP20, ZZL20]. **Cluster-Based** [KYAN21, KP20]. **Clustering** [aBWH⁺22, KAMA22, KRR20, PS20, PJ20, VB21, WtZLS20, WZC⁺21, YFA20]. **Clustering-Evolutionary** [aBWH⁺22]. **CMA** [SLC⁺20]. **CMT** [CZH⁺21]. **CNFs** [Wil22]. **CNN** [MSH22]. **CO** [RD20]. **CO-OFDM** [RD20]. **Coarse** [LSC⁺22]. **Coarse-Grained** [LSC⁺22]. **Code** [YYLX21]. **Codes** [BKS22, KP20]. **Cognitive** [MM20, QAA⁺22]. **Coherence** [SC22]. **Collaborative** [ASSA21, DY21, LZL20]. **Colony** [EO21, KKK21, OMG22]. **Colony-Based** [EO21]. **Color** [PS20]. **Combination** [MMR22, NCL22, XCC20]. **Combined** [DFS⁺21b]. **Combining** [ANG20, RM22]. **Commitment** [WZXX20]. **Communication** [GAK20, SLC⁺20, ZZJZ20]. **Communications** [WWY20a]. **Communities** [HZY21]. **Community** [MYB20, Nar21]. **Companies** [AÖ21]. **Comparative** [PGV⁺22, SAR⁺22]. **Comparison** [JCY⁺20, MMR22]. **Competency** [RM20]. **Competitive** [OMG22]. **Compiler** [GCG⁺22]. **Complete** [RW20]. **Complex** [Meg20, QZTZ21]. **Complexity** [YD21]. **Component** [GCH20, LLF⁺21, XG22, ZLC⁺22]. **Composite** [SZX20]. **Comprehensive** [MK20]. **Compressed** [BKS21]. **Compression** [FGM21, QGL⁺22, Wil22]. **Compressive** [Sha21]. **Computation** [HLML21]. **Computational** [AKA⁺22, GG22]. **Compute** [AR21]. **Computer** [Gök21, TTPD21]. **Computer-Aided** [Gök21]. **Computer-Generated** [TTPD21]. **Computing** [GCH20, JCY⁺20, JTGJ20, MHAR20, MFHhK21, NAD21, PAO20, SRC20, TEHG22, WG21]. **Concurrence** [LH21]. **Concurrence-Words** [LH21]. **Conditional** [EI21, qLIHG20, LX20, LCF⁺21, ZM21]. **Conditioning** [LHL21]. **Conflicting** [SK22]. **Congestion** [AKA⁺22, AKA⁺21, VD20]. **Congestion-Free** [VD20]. **Conjunctive** [CLG⁺20]. **Connectedness** [GCH21]. **Connectivities** [GCH20]. **Connectivity** [LLF⁺21, LX20, WZ20, XG22, YYL⁺20,

YLW21, Zar20]. **Conquer** [PDO22]. **Consecutive** [HYZ+20]. **Considering** [LSC+22]. **Constant** [FGC22]. **Constant-Size** [FGC22]. **Constraints** [BCS22, RAD20]. **Construction** [AA20, TLD+20, WZG+20]. **Constructors** [HCZ+21]. **Consumption** [SHL22]. **Contact** [Nar21]. **Content** [DK21, GSFS21, HZY21, PS20]. **Content-Based** [GSFS21, PS20]. **Contention** [BRA21, RS21]. **Context** [AKD+21, BKS22, BYYS21, FGM21, GZL+21, LSC+22, TGZ+21]. **Context-Aware** [AKD+21, LSC+22]. **Continual** [HYZH22]. **Continuous** [LTH21, QYZ+21, ZYW+20]. **Continuous-Time** [LTH21]. **Contourlet** [WWY+20b]. **Contraction** [Y CZ+22]. **Contradiction** [PS22]. **Contrast** [CYH+20]. **Control** [AKA+22, AKA+21, BRA21, BHJ20, PTH+21]. **Controllers** [TBH21]. **Controlling** [SSMS22]. **Convergence** [PMMS22]. **Convolutional** [FZH21, OB21, PKLK21, PVFP22a, PVFP22b, RA22a, Rat20, WZQ+22]. **Coordinate** [LZZZ21]. **Copy** [KSG22]. **Copy-Move** [KSG22]. **Core** [TK22]. **Corporate** [ASM+21]. **Corpus** [CBEBPPZM20]. **Correction** [DAR22]. **Correlation** [GY+20, ZZC+22]. **Corrigendum** [PVFP22a]. **Cosine** [ASPB22]. **Cost** [LZQL22, WBG21]. **Cost-** [LZQL22]. **Cotton** [DFS+21b]. **Counting** [YSH+22]. **Coupled** [SZL22]. **Couplet** [GZL+21]. **Coupling** [CZZW21]. **Cover** [KCLH21]. **Coverage** [HCZ+21, WWY20a]. **Covering** [HCZ+21]. **CP** [LSX+21]. **CP-ABE** [LSX+21]. **CPLM** [GK21]. **CPLM-Based** [GK21]. **CRAFT** [MA20]. **Creation** [LZL20]. **Crick** [MMR22]. **criteria** [TEHG22]. **Crop** [SJ22]. **Cross** [HLL22, RMSMAH+20, SC22, YWY21]. **Cross-Domain** [SC22]. **Cross-Lingual** [YWY21]. **Cross-Modal** [HLL22]. **Cross-Platform** [RMSMAH+20]. **Crossing** [BFG+21]. **Crowd** [LZY20, Rat20]. **Crowdsourcing** [DY21]. **Cryptographic** [CHWM21]. **Cryptosystem** [YCL+20]. **CT** [ASPB22]. **Cubes** [KCLH21, qLIHG20, WZ20, GCH21]. **Cuckoo** [LdXZ+21]. **Current** [ATZ+21]. **Curve** [BJ22]. **CutTheTail** [PiKT21]. **Cyber** [BHJ20, SS22]. **Cyberbullying** [EO21]. **CyberEyes** [FZH21]. **Cybersecurity** [FZH21]. **Cycle** [KCLH21]. **D2D** [GAK20]. **DA-VAPR** [Gan20]. **Data** [AVA21, BC22, BJ22, CZLY21, CYH+20, ÇÖİ21, CPN+21, GAK20, GKK22, GQL+20, HZZ20, HJ20, KSA20, LH22, LZQL22, LWL+22, LCF+21, MFHhK21, MM21, MG22, PKLK21, PG22, SRC20, SRL20, SCH+20, SJ22, TBH21, WQZ+22, YYLX21, ZTK21, SGGM21]. **Database** [CBEBPPZM20]. **Dataset** [RK21]. **DCT** [TCY+20]. **DD_LMS** [SLC+20]. **Decision** [SHL22, TEHG22]. **Decision-Making** [TEHG22]. **Decoder** [GZL+21]. **Decomposition** [HJK20, KSG22, KSG20a]. **Decoupling** [FGM21]. **Decryption** [CPN+21]. **Deep** [AÖ21, AAJ+20, ÇÖİ21, DAR22, LPP21, MSZ+20, MSH22, PXWL22, PVFP22a, PVFP22b, RA22a, Rat20, RKA+22, SP20a, SAR+22, SSS+22, Sha21, XCC20]. **DeepDetect** [AAJ+20]. **Defined** [GP21]. **Delivery** [MM21]. **Demand** [HSL+22]. **Dendritic** [FSN21]. **Dengue** [SSMS22]. **Denial** [AAJ+20]. **Denoising** [MS20, WWY+20b]. **Density** [KAMA22, MW21]. **Deoxys** [LSG+20]. **Deoxys-BC-256** [LSG+20]. **Dependencies** [RLIK21]. **Deployment** [LZQL22, QMR+20]. **Depth** [Gan20]. **Derived** [OMG22]. **Deriving** [BHJ20]. **Descent** [Rat20]. **Descriptors** [EI21]. **Design** [PAO20, WLZ20]. **Designed** [DAR22]. **DESL** [JZD21]. **Despeckling**

[BSM21]. **Destination** [HZY21]. **Detecting** [QAA+22]. **Detection** [ASPB22, AAJ+20, FSN21, GCD21, HCZ+21, KSA20, KSG20a, KSG22, KS20b, KRR20, Lee20, LWM+22, MMK22, PVFP22a, PVFP22b, PTH+21, RA21, RA22a, SSS+22, SJL20, VKM21, VS21, WHL22, WGL+22, ZZL20]. **Detector** [HWS21]. **Determine** [JLH20]. **Determining** [HSL+22, HH22, MW21]. **Developing** [GR22, RMSMAH+20]. **Development** [HLML21, RM20]. **Diabetes** [HH22, NGS22]. **Diagnosabilities** [LZH+20]. **Diagnosability** [LZC+21, qLHG20, RW20, SZL+20, WZ20, YLW21, ZLC+22]. **Diagnosis** [aBWH+22, DFS+21b, Gök21, GG22, RA22b, Sar20, SSS+22, WQZ+22]. **Diagnostic** [LZC+21]. **Differential** [CZLY21, JZD21, MA20, WBG21, KSG20a]. **Differential/Linear** [JZD21]. **Differentially** [WL20]. **Diffusion** [BSM21]. **Digital** [SHL22]. **Dimension** [EMYRV21]. **Dimensional** [BJ22, TGZ+21, WZC+21]. **Direction** [SIT20]. **Direction-based** [SIT20]. **Disaster** [KS20b]. **Disasters** [SS22]. **Disclosure** [GKK22]. **Discovery** [NGS22, XXM+22]. **Discrete** [MKI20]. **Discrete-Time** [MKI20]. **Discriminative** [GY+20]. **Disease** [DFS+21b, Gök21, Sar20]. **Disjoint** [KCLH21]. **Disk** [CZZW21, YYLX21]. **Distance** [LPH21, GPR20]. **Distances** [AEZ20, ZZ21]. **Distinguisher** [ZY21]. **Distributed** [AAJ+20, LZQL22, YLZ20]. **Distribution** [TBH21]. **Divide** [PDO22]. **Division** [HLJW22]. **DNFs** [Wi22]. **DNS** [ARDP21]. **Document** [BFM22, VB21]. **DolLion** [GR22]. **Domain** [BSM21, SC22]. **Domination** [LZG21a]. **Double** [LL21, LTH21]. **Double-Layer** [LL21, LTH21]. **DQcube** [ZM21]. **Dragonfly** [KRR20, PK21]. **Drawings** [BFG+21]. **Drive** [CZZW21]. **Driven** [ANKZ+22, RA22a]. **Driving** [HHX+20]. **Dropout** [MSZ+20]. **Drought** [KS20a]. **Drug** [GR21]. **DSDV** [KSG20b]. **DSR** [KSG20b]. **Dual** [ARDP21, CZZW21]. **Dual-Mode** [CZZW21]. **Dual-Stack** [ARDP21]. **During** [DH21, GGJM21, VD20, SS22]. **Dynamic** [EI21, GP21, KKM21, MNN20, NJ21, PKLK21, SJL20, TK22, ZWM22, MNN20]. **Dynamic-SoS** [MNN20]. **E-Learning** [AHI22]. **Early** [NGS22, SSS+22]. **Earthworm** [SJ20]. **Edge** [GCH20, JCY+20, LZL20, LZ20a]. **Edges** [RW20]. **Editorial** [Ano22]. **EEG** [ANA+22, MK20, MMK22, QAA+22]. **Effective** [MPL21, OMG22, WtZLS20]. **Effectiveness** [AHI22]. **Effects** [KD21, LZ20a]. **Efficiency** [LZQL22, LWX22]. **Efficient** [CZH+21, GAK20, KYAN21, KKM21, Lee20, LC20, LMH+21, LWL+22, MHAR20, OFMH22, PTH+21, PiKT21, SS22, XDZ22, YSH+22]. **Elastic** [ANKZ+22]. **Electrostatic** [WSCL22]. **Electrovibration** [SZL22]. **Element** [GR21]. **Elephant** [ZZD+21]. **Email** [FYH20]. **EmailDetective** [FYH20]. **Embedding** [HFT22, KCLH21, LL21, MPL21, Nar22]. **Emojis** [Wan21]. **Emotion** [AEZ20, DH21, HZY21, Rat20]. **Emotions** [AEZ21]. **Empirical** [Gök21]. **Empowered** [AKA+21]. **Enable** [LLY+21]. **Enabled** [GK21, Gok22, PVFP22a, PVFP22b, RM22, SV22, VB21]. **Enabling** [AKA+22, LHW21]. **Encoder** [GZL+21]. **Encrypted** [KSA20, RK21]. **Encryption** [Ala20, FGC22, HYZH22, LZG+21b, LMH+21, LZ20b, LHW21, MH20, QYZ+21, WCD21, ZYW+20]. **Energy** [ECE20, KYAN21, SS22, YSH+22]. **Energy-Efficient** [KYAN21, YSH+22]. **Engine** [SP20b]. **English** [HAWA+22]. **Enhance** [ANG20, KGA22]. **Enhanced** [BKS22, HLL22, NBTB20, WSCL22,

XG22, YYL⁺20]. **Enhancement** [AK20, BSM21, CYH⁺20, HWS21, PK21]. **ENN** [PG22]. **Enriching** [SC22]. **Ensemble** [AA20, aBWH⁺22, CK21, GR21, GG22, PG22, SRL20]. **Ensemble-Based** [GG22]. **Ensembles** [BIZA21]. **Entity** [FZH21]. **Entropy** [LZL⁺21, QZTZ21]. **Enumerating** [Y CZ⁺22]. **Environment** [BC22, GS22, TEHG22]. **Environments** [MHAR20]. **Equality** [LSX⁺21, LZG⁺21b, LMH⁺21]. **Equalization** [SLC⁺20]. **Equalizer** [RD20]. **Equilibrium** [AR21]. **Error** [Lee20]. **Estimate** [ErEE20]. **Estimating** [SA22]. **Estimation** [KAMA22, MM20, RM22, WBG21, ZY21]. **Evacuation** [SS22]. **Evaluate** [PK22]. **Evaluation** [CK22, DAR22, Gan20, LCF⁺21, PCMPCA⁺20]. **Even** [Mer20]. **Event** [TGZ⁺21]. **Evidence** [HZY21]. **Evolution** [LH20, WGL⁺22, WBG21, KSG20a]. **Evolution-Based** [WGL⁺22]. **Evolutionary** [aBWH⁺22, YFA20]. **Evolving** [WHL22, WGL⁺22]. **EWA** [SJ20]. **Exact** [LPH21, MW21]. **Exchange** [SJHL21]. **Exchanged** [qLIHG20]. **Expansion** [HHC22]. **Experimental** [HCZ⁺21]. **Expert** [DFS⁺21a]. **Exploiting** [KAMA22]. **Exploration** [DLP⁺21, WBG21]. **Exponentiation** [SZX20]. **Exposing** [GCG⁺22]. **Expressions** [ZMWL20]. **Extensions** [NAD21]. **Extra** [LLF⁺21, YLW21, ZM21]. **Extract** [PTH⁺21]. **Extraction** [JMV22, SP20b, Sar20]. **Extractive** [BFM22]. **Extractor** [LLGC20]. **Extreme** [RKA⁺22].

Face [SAR⁺22, ZZJZ20]. **Facebook** [ÇÖİ21, Wan21]. **Factor** [CPN⁺21]. **Factorization** [GLLZ21]. **Factual** [KTK21]. **Failures** [VD20]. **FANETS** [KSG20b]. **Fast** [AÖ21, LPH21, MSH22, QXZZ21]. **Fault** [HCZ⁺21, HLX22, Lee20, SM21, SZL⁺20, ZM21]. **Fault-Free** [HLX22]. **Faults** [GHC20]. **Faulty** [ZLC⁺22]. **FCM** [KRR20, RA22a]. **Feasible** [LZY20]. **Feature** [EO21, GK21, GCD21, KKK21, LDC⁺21, MW21, SP20b, WHL22, YAHVC20]. **Feature-Evolving** [WHL22]. **Features** [AEZ20, AA20, BIZA21, Gok22, PTH⁺21, QAA⁺22, WSA22]. **Federated** [AKD⁺21]. **Feedback** [AM20, AR21, MKS⁺22, WSCL22]. **Feedback-Guided** [AM20]. **Fewer** [Mer20]. **Fidelity** [ADF22]. **Fields** [EI21]. **File** [WCD21]. **File-injection** [WCD21]. **Filling** [BJ22]. **Filter** [GY⁺20, LLG⁺20, MS20]. **Filtering** [ANA⁺22]. **Filters** [CBEBPPZM20]. **Fine** [LSC⁺22]. **Fine-Grained** [LSC⁺22]. **Fingerprint** [LZX⁺22]. **Finite** [MMR22, WCD21]. **Firefly** [KSG22]. **First** [LWS⁺21]. **Fish** [ASPB22]. **FLAKE** [JMV22]. **Flash** [BKS22, CZZW21]. **Floor** [WLZ20]. **Flow** [BGHG22, Ken20, PTH⁺21]. **Flow-Based** [PTH⁺21]. **fMRI** [aBWH⁺22]. **fMRI-Based** [aBWH⁺22]. **Fog** [JTGJ20, SS22, SSMS22]. **Fog-assisted** [SS22]. **Food** [AÖ21]. **Footprint** [SHL22]. **Force** [SA22]. **Forecast** [HJ20]. **Forecasting** [KS20a]. **Forest** [KD21, LHL21]. **Forgery** [KSG22, VS21, KSG20a]. **Forward** [BG21]. **FR** [NCL22]. **Fractional** [CKA21]. **Fractional-Chicken** [CKA21]. **Framework** [AVA21, GP21, Gok22, JTGJ20, KS20b, MH20, MHAR20, RM20, Sar20, SV22, TEHG22, SGGM21]. **Frameworks** [NAD21]. **Free** [HLX22, LSQ20, VD20]. **Frequency** [FGM21, TK22]. **Full** [MH21]. **Fully** [dAJS22]. **Functional** [LZ20b]. **Functions** [HYZ⁺20, LWX22, LZ20b]. **Fusion** [Gok22, LPP21, LDC⁺21]. **Future** [SJ22]. **Fuzzy** [DFS⁺21b, JMV22, KRR20, LLGC20, LWM⁺22, MS20, PJ20, RD20, SD20].

Game [DAR22]. **Games** [AR21]. **GBE** [TBH21]. **General** [SZL⁺20, WZG⁺20]. **Generalized** [WGL⁺22]. **Generated** [HZY21, LX20, RW20, TTPD21]. **Generation** [GZL⁺21, HLL22, Lee20, YWY21, ZMWL20]. **Generative** [ASPB22]. **Generic** [WBG21]. **Genesis** [ADF22]. **Genetic** [SRC20]. **Genetically** [NCL22]. **Geometric** [SZL22]. **Geospatial** [LH22]. **Gestational** [HH22]. **Gestures** [WSCL22]. **GIFT** [JZD21]. **GIS** [KAMA22]. **Global** [Nar21, WZC⁺21]. **Goal** [BYYS21, SK22]. **Goal-oriented** [BYYS21]. **Goals** [BYYS21, SK22]. **Good** [qLIHG20, WZ20]. **Grade** [PK22]. **Gradient** [Rat20]. **Grained** [LSC⁺22]. **Grammar** [LZZZ21, WLZ20]. **Graph** [FZH21, HPV⁺21, HLX22, JMV22, LZZZ21, LPH21, LH21, PKLK21, RW20, SWJkL20, WLZ20]. **Graphs** [BFG⁺21, EMYRV21, GHC21, LZG21a, LZ20a, LZZZ21, LPH21, LX20, QDZZ20, YCZ⁺22, ZZ21]. **Grey** [VB21]. **Grid** [DLP⁺21]. **Grounded** [NAD21]. **Group** [GHC21, HLX22, LSH⁺22, LMH⁺21, MH21, YLZ20]. **Guess** [AM20, JLH20]. **Guess-And-Determine** [JLH20]. **Guided** [AM20]. **Guiding** [NB21].

Handling [FFH22, PG22]. **Handshake** [TLD⁺20, TLMY21]. **Haptic** [CDCN21]. **Hard** [CZZW21]. **Hardware** [SWJkL20, SJHL21]. **Hardware/Software** [SWJkL20]. **Harmony** [BFM22]. **Harvesting** [ECE20]. **Hash** [YLZ20]. **Hashing** [TCY⁺20, TYY⁺21]. **Health** [MM21]. **Healthcare** [MM21]. **Hedged** [HYZH22]. **Hercules** [CZZW21]. **Heterogeneous** [BC22, GS22]. **Heuristic** [BFG⁺21, PiKT21, RM22]. **Heuristic-Enabled** [RM22]. **Heuristics** [BCS22]. **Hidden** [GCG⁺22, HZZ20]. **Hiding** [CYH⁺20]. **Hierarchical** [BIZA21, MW21, QDZZ20, SSMS22, VS21, YDS⁺20]. **Hierarchy** [ARDP21, LHLY20]. **High** [BFG⁺21, BJ22, WZC⁺21].

High-Dimensional [BJ22, WZC⁺21]. **Higher** [ZY21]. **Hirak** [DH21]. **Histogram** [PK21]. **Hitting** [QDZZ20, ZZ21]. **Hoax** [KTK21]. **Hologram** [TTPD21]. **Homogeneous** [ADF22]. **Homomorphic** [LWX22, LXY⁺20]. **Hops** [AKA⁺22]. **Hotspots** [KAMA22]. **HPC** [CLM⁺20]. **Human** [BIZA21, KTK21, LH22]. **Hunting** [KRR20]. **Hunting-Based** [KRR20]. **Hybrid** [AKA⁺22, ANA⁺22, AEZ20, BC22, FFH22, GAK20, GR22, GCD21, HAWA⁺22, KYAN21, LYK⁺20, LZC⁺21, MG22, PG22, RM22, Sha21, WSA22, GPR20]. **Hybrid-based** [Sha21]. **Hybridized** [PK21]. **Hydrographical** [Ken20]. **Hyper** [ANG20]. **Hyper-Chaotic** [ANG20]. **Hypercubes** [GCH20, XG22, YYL⁺20, ZLC⁺22].

IaaS [SII22]. **IBE** [ML20]. **ID** [LSQ20, LMH⁺21]. **ID-Based** [LSQ20, LMH⁺21]. **Ideation** [CK21]. **Identification** [CK22, DK22, FYH20, ZZJZ20]. **Identify** [MKS⁺22]. **Identifying** [QZTZ21]. **Identity** [ML20, WZG⁺20, YDS⁺20, ZWG⁺20]. **Identity-Based** [WZG⁺20, YDS⁺20, ZWG⁺20]. **IID** [WL20].

Image [BSM21, CBEBPPZM20, CHWM21, EI21, GR22, HWS21, HLL22, HZY21, KS21, KP20, MS20, NB21, NBTB20, PS20, PK21, RMSMAH⁺20, TYY⁺21, VS21, WWY⁺20b]. **Image-Based** [NB21]. **Images** [ASPB22, CKA21, KRR20, NGS22, PDRC22]. **ImagIngDev** [RMSMAH⁺20]. **Imbalanced** [PG22]. **Impact** [Meg20]. **Impaired** [NB21]. **Imperialist** [OMG22]. **Implementation** [PCMPCA⁺20, TBH21]. **Imposing** [Wil22]. **Improve** [KSG20b]. **Improved** [FSN21, GQL⁺20, LLG⁺20, LSG⁺20, LZX⁺22, MG21, PS20, PG22, SR20, SZL22, WCD21]. **Improvement** [CYH⁺20, OB21].

Improving

[BIZA21, JZD21, LZQL22, Sar20]. **In/Out** [WSCL22]. **Incentive** [LZY20].

Incorporating [ZZC⁺22]. **Increasing**

[MK20]. **IND-CCA** [MH20]. **Index**

[HLML21, Meg20]. **Indexing**

[KGA22, KP20]. **Indices** [BJ22].

Individual [PC22]. **Indoor** [WWY20a].

Infection [SSMS22]. **Inference** [RD20].

Influence [PiKT21]. **Influential** [QZTZ21].

Information

[AA20, GSFS21, KGA22, LSY⁺20, LH20, LTH21, LZL⁺21, LSC⁺22, MPL21].

Infrastructure [QMR⁺20]. **injection**

[WCD21]. **Insider** [LMH⁺21]. **Integer**

[BC22]. **Integrated** [KSG20b, RM20].

Integrating [BYYS21, LH22]. **Intelligence** [HH22, KS20a, KTK21].

Intelligence-Based [KS20a]. **Intelligent**

[AKA⁺22, CZZW21, HAWA⁺22, WG21].

Intensities [AEZ21]. **Interaction**

[HCZ⁺21]. **Interactions** [LH22].

Interactive [WSCL22]. **Interconnection**

[SM21]. **Interesting** [PJ20]. **Interfaces**

[CDCN21]. **Interference** [WWY20a].

Intermittent [SZL⁺20]. **International**

[HHC22]. **Internet** [Far20, HAWA⁺22].

Interpolation [ANA⁺22, MS20, ZZD⁺21].

Interrelation [AA20]. **Intra** [RLIK21].

Intra-Tile [RLIK21]. **Intrusion**

[FSN21, KSA20]. **invariant** [SAR⁺22].

Inventory [HSL⁺22]. **IoT**

[AVA21, AKA⁺21, PTH⁺21, SSMS22, SJ20].

IoT-Based [SSMS22]. **Issues** [ATZ⁺21].

Item [ADF22].

Jaya [VB21]. **join** [HPV⁺21]. **Jr** [ZLD⁺20].

Jumping [MMR22].

K2 [MG21]. **Kernel** [KAMA22, MS20].

Kernels [OFMH22]. **Ketje** [ZLD⁺20]. **Key**

[Ala20, FGC22, HYZH22, LZG⁺21b, MH20,

MG21, QYZ⁺21, SJHL21, ZLD⁺20].

Key-Recovery [ZLD⁺20]. **Keyword**

[CLG⁺20, JMV22, MH20]. **KGC**

[LWS⁺21, YWHY20]. **Kind** [LX20]. **Knee**

[SA22]. **Knowledge** [DFS⁺21a, Sar20,

WZXX20, WG21, YD21, ZZC⁺22]. **Known**

[LSY⁺20]. **KORGAN** [KKM21]. **KPCA**

[NBTB20]. **Kravatte** [ZZD⁺21].

Landslide [MG22]. **Landslide-Occurring**

[MG22]. **Language** [BS21, HAWA⁺22].

Languages [RKA⁺22]. **Laplacian**

[HZW21]. **Laptops** [LLY⁺21]. **Large**

[HLJW22, LSX⁺21, LPH21, ZLC⁺22].

Large-Scale [ZLC⁺22]. **Last** [LYK⁺20].

Last-Level [LYK⁺20]. **Latency** [LZL20].

Latency-Aware [LZL20]. **Latent** [EI21].

Latent-Dynamic [EI21]. **Lattices**

[LXY⁺20]. **Layer**

[LL21, LTH21, MM20, SR20]. **Leadership**

[KKK21]. **Leads** [PDO22]. **Leads-to**

[PDO22]. **Leakage**

[Ala20, HYZ⁺20, HYZH22, LSQ20, LZX⁺22,

QYZ⁺21, ZYW⁺20]. **Leakage-free** [LSQ20].

Leakage-Resilient [HYZH22, ZYW⁺20].

Learners [SRL20]. **Learning**

[AÖ21, ASSA21, AHI22, AKD⁺21, AAJ⁺20,

AKA⁺21, CBEBPPZM20, CK21, CK22,

ÇÖİ21, FFH22, HHC22, HZW21, LdXZ⁺21,

LL21, LWM⁺22, LPP21, LH21, MSH22,

PK22, PDRC22, PGV⁺22, RKA⁺22,

SAR⁺22, SCH⁺20, SSS⁺22, SR20, SA22,

SB20, TK22, TEGB22, WQZ⁺22, XCC20].

Learning-Based

[ASSA21, PK22, SCH⁺20, ÇÖİ21]. **LED**

[ZZJZ20]. **LEDet** [HWS21]. **Lemuria**

[SJ22]. **Lesions** [SSS⁺22]. **Level** [ASPB22,

CKA21, LYK⁺20, PK22, PJ20, RLIK21].

Levels [DAR22]. **Leveraging** [LLY⁺21].

LFA [LZX⁺22]. **LH** [RAD20]. **Lifelong**

[RM20]. **Lifetime** [CHT20]. **Light** [HWS21].

Lightweight [LZG⁺21b]. **Like** [RKA⁺22].

Line [PXWL22]. **Linear** [BC22, JZD21].

Linearly [GHC20, LXY⁺20]. **Lingual**

[YWY21]. **Link**

[MYB20, Meg20, MPL21, VD20]. **Linkable**

[TLD⁺20]. **Literacy** [PK20]. **Load** [AK20, HZZ20, LWL⁺22]. **Local** [GS22, Gok22, LC20, MH21, WZC⁺21]. **Localization** [RA21, RA22a, VKM21]. **Locally** [KCLH21, qLHG20]. **Location** [Lee20, LLG⁺20, YYLX21]. **Location-Based** [LLG⁺20]. **Logic** [DFS⁺21b, SD20]. **Logic-Based** [SD20]. **Long** [GY⁺20, LH22]. **Long-Short** [LH22]. **Long-Time** [GY⁺20]. **Lookback** [AM20]. **Lookback-Guess-Next** [AM20]. **Loops** [RLIK21]. **Lossy** [HYZ⁺20]. **Lost** [GCG⁺22]. **Low** [HWS21, PK20]. **Low-Light** [HWS21]. **Lower** [YD21]. **LPN** [LLGC20]. **LUISA** [FGM21]. **Lung** [ASPB22, PXWL22]. **LWE** [YCL⁺20].

MAC [MM20, RS21]. **Machine** [AKA⁺21, aBWH⁺22, CBEBPPZM20, CK21, HHC22, HZW21, PK22, PDRC22, PGV⁺22, RKA⁺22, SCH⁺20, SR20, SA22, TK22, TEGB22, WSA22]. **Machine-Based** [RKA⁺22]. **MACs** [LWX22]. **Main** [LYK⁺20]. **Majority** [AA20]. **Majority-Voting** [AA20]. **Making** [TEHG22]. **Malicious** [LWS⁺21, YWHY20]. **Malicious-But-Passive** [LWS⁺21, YWHY20]. **Malleable** [YD21]. **Malware** [PTH⁺21, YAHVC20]. **Management** [AK20, KS20b, RM20, WG21]. **Managers** [KKK21]. **Manually** [DAR22]. **Many** [GHC20]. **Map** [ANG20]. **Mapping** [AM20]. **MapReduce** [SP20a]. **Marine** [PAO20]. **Market** [GK21]. **Markov** [HZZ20, LTH21, MKI20]. **Masking** [LZX⁺22]. **Mass** [Wan21]. **Massive** [RM22]. **Match** [PJ20]. **Matching** [FPT22, LZG21a, XDZ22]. **Matrix** [GLLZ21]. **Matsui** [JZD21]. **Maximization** [HHX⁺20, PiKT21]. **maximizing** [CZLY21]. **Maximum** [OFMH22]. **MaxSAT** [LC20]. **mCityPASS** [PCMPCA⁺20]. **MDER** [TGZ⁺21]. **Me** [ZZJZ20]. **Meal** [HH22].

Mean [KRR20]. **Means** [PG22, LZL⁺21]. **Measures** [PS22]. **Mechanical** [SZL22]. **Mechanism** [CZLY21, LZY20]. **Mechanisms** [Lee20]. **Media** [DK22, LH22, SV22, TGZ⁺21, Wan21]. **Medical** [PDRC22, WQZ⁺22]. **Medium** [HJ20]. **Medium-Sized** [HJ20]. **Meet** [LSG⁺20]. **Meet-in-the-Middle** [LSG⁺20]. **Mellitus** [HH22]. **Memory** [CZZW21, LH22, LYK⁺20]. **Menger** [GCH21]. **Merging** [Mer20]. **Mesh** [NCL22, KGA22]. **MeSH-Based** [KGA22]. **Mesoscopic** [Zar20]. **Messaging** [SV22]. **Metaheuristic** [Gok22]. **Metaheuristic-Enabled** [Gok22]. **Meteorological** [HJ20]. **Method** [ANA⁺22, DFS⁺21b, ErEE20, MYB20, MA20, MG22, NJ21, NBTB20, QGL⁺22, SHL22, WG21, WZQ⁺22, WGL⁺22]. **Methods** [MKI20, MFHhK21, OMG22, TEGB22, TEHG22]. **Metric** [EMYRV21, Meg20, PK20]. **Middle** [LSG⁺20]. **Midori** [MA20]. **Migration** [YYLX21]. **Millimeter** [RM22]. **MIMO** [RM22]. **Minimal** [YWY21]. **Minimum** [dAJS22, LZG21a]. **Mining** [BCS22, HLML21, MFHhK21, SRL20, SJ22]. **Mining-Based** [HLML21]. **Missing** [RW20]. **Mixing** [QXZZ21]. **MKSIFT** [KP20]. **MLP** [RA22b, SRL20]. **MM** [RW20]. **MM*** [YLW21]. **MNVPCS** [CHT20]. **Mobile** [MM21, RMSMAH⁺20]. **Mobile-Assisted** [MM21]. **Mobility** [KSG20b]. **Modal** [HLL22]. **Mode** [CZZW21]. **Model** [ANKZ⁺22, Ala20, ADF22, AKI20, BSM21, DY21, DH21, FYH20, FZH21, FGC22, FGM21, GK21, GZL⁺21, GR22, GSFS21, HLL22, HZZ20, HHC22, JCY⁺20, KS20a, KSG20b, KYAN21, LSX⁺21, LdXZ⁺21, LHL21, LZH⁺20, LZC⁺21, LSY⁺20, LH20, LHLY20, LPP21, MH21, MKI20, MSH22, Nar22, PK22, PDO22, PDRC22, RW20, SCH⁺20, Sha21, SA22, SK22, WQZ⁺22, YLZ20, YLW21].

Model-Based [JCY⁺20, HZZ20]. **Model-Driven** [ANKZ⁺22]. **Modeling** [LTH21, WWY20a, ZZC⁺22]. **Modelling** [Ken20]. **Models** [AÖ21, CK22, LH22, Lee20, MKI20, PGV⁺22]. **Modern** [BG21]. **Modified** [BSM21]. **Modular** [SZX20]. **Modulo** [RAD20]. **Molecules** [GR21]. **Monarch** [SJ20]. **Monarch-Earthworm-Based** [SJ20]. **Monarch-EWA** [SJ20]. **Monetization** [AVA21]. **Monoculus** [PMMS22]. **Moth** [GS22]. **Move** [KSG22]. **Moves** [Mer20]. **MPSoC** [SWJkL20]. **MR** [NBTB20]. **MRI** [CKA21]. **MSVNN** [GR22]. **Multi** [ANA⁺22, AV20, BFM22, DLM20, KB22, LdXZ⁺21, MSH22, PKLK21, PDRC22, RA22b, TEHG22, TGZ⁺21, WWY⁺20b]. **Multi-Armed** [AV20]. **Multi-Band** [WWY⁺20b]. **Multi-Channel** [ANA⁺22]. **Multi-criteria** [TEHG22]. **Multi-Dimensional** [TGZ⁺21]. **Multi-Document** [BFM22]. **Multi-Net** [MSH22]. **Multi-Objective** [KB22, BFM22]. **Multi-Passenger** [DLM20]. **Multi-Stage** [RA22b]. **Multi-Swarm** [LdXZ⁺21]. **Multi-Verse** [KB22]. **Multi-View** [PDRC22, PKLK21]. **Multiantenna** [ZZL20]. **Multichannel** [RS21]. **Multilayered** [WSA22]. **Multilingual** [LHLY20]. **Multimedia** [ZTK21, SGGM21]. **Multimodal** [Gok22, SGGM21]. **Multinode** [CHT20]. **Multiple** [BIZA21, DLM20, SWJkL20, SR20]. **Multiple-Choice** [SWJkL20]. **Multiple-Layer** [SR20]. **Multiscale** [BSM21, LWM⁺22]. **Multispectral** [GR22, WZQ⁺22]. **Multivariate** [DST20]. **Muscle** [SA22]. **Muscular** [ANA⁺22]. **Mutual** [HHLL22]. **My** [GGJM21].

NARX [GK21, GPR20]. **Nash** [AR21]. **Nastalique** [RKA⁺22]. **Natural** [BS21, HAWA⁺22]. **Nature** [LH22]. **Negative** [LTH21, GLLZ21]. **Neighbor** [qLHG20, WZ20, ZZJZ20]. **Neighborhood** [QZTZ21]. **Nested** [RLIK21]. **Net** [MSH22]. **Network** [ASPB22, FZH21, Gok22, KS21, KSA20, LL21, LH20, LHLY20, LTH21, LWL⁺22, LCF⁺21, MPL21, PKLK21, PXWL22, PVFP22a, PVFP22b, RA21, RA22a, Rat20, RA22b, SP20a, Sha21, SD20, VKM21, WZQ⁺22, GPR20, SS20]. **Networks** [ASSA21, AV20, BRA21, CHT20, DAR22, Gan20, HZZ20, KA20, LLF⁺21, LSH⁺22, LZC⁺21, MSZ⁺20, MW21, MYB20, MM20, Meg20, OB21, QXZZ21, QZTZ21, RS21, SM21, SZL⁺20, WGL⁺22, YFA20, YLW21, ZHP21]. **Neural** [AV20, DAR22, Gok22, KS21, LH20, MSZ⁺20, MPL21, OB21, PVFP22a, PVFP22b, RA22a, Rat20, RA22b, SD20, SS20, VKM21, WZQ⁺22, GPR20]. **Neuro** [RD20]. **Neuro-Fuzzy** [RD20]. **Next** [AM20]. **NMF** [TCY⁺20]. **Node** [YLZ20]. **Nodes** [QZTZ21, ZLC⁺22]. **Noise** [WL20]. **Noisy** [PG22]. **NoisyOffice** [CBEBPPZM20]. **Non** [BSM21, GLLZ21, LZX⁺22, OFMH22, RLIK21, YD21]. **Non-Malleable** [YD21]. **Non-Maximum** [OFMH22]. **Non-negative** [GLLZ21]. **Non-profiled** [LZX⁺22]. **Non-Subsampled** [BSM21]. **Non-Uniform** [RLIK21]. **Nonlinear** [RD20, WZC⁺21]. **Nonuniform** [HLX22]. **Note** [GHC20]. **Notion** [LZM⁺20]. **Novel** [GAK20, HH22, LHLY20, QYZ⁺21, SRL20, SJ22, SLC⁺20]. **NP** [LZX⁺22]. **NP-LFA** [LZX⁺22]. **NuDist** [LC20]. **Number** [DLP⁺21].

Object [HWS21, LWM⁺22, NB21, RA21, RA22a, GPR20]. **Objective** [KB22, BFM22]. **Objects** [SIT20]. **Oblivious** [DLP⁺21]. **Observation** [SB20]. **Obstructive** [Gök21]. **OCCI** [ANKZ⁺22]. **Occurring** [MG22]. **Ocular** [ANA⁺22]. **OFDM** [RD20]. **Office** [LHL21]. **Offloading** [ASSA21, GAK20]. **One** [Wil22]. **One-by-One** [Wil22]. **Online**

[HZY21, LH20, LHLY20, MYB20, YYLX21]. **Only** [MG22]. **Open** [ATZ⁺21, JTGJ20]. **Operations** [RK21]. **Opinion** [DH21, LH20, LTH21, TEGB22]. **Opportunities** [GCG⁺22]. **Optical** [BGHG22, RKA⁺22]. **Optimal** [DLP⁺21, ECE20, GCD21, MM20, PK21, VB21, ZY21, SGGM21]. **Optimization** [ASPB22, AM20, AK20, AR21, BFM22, BC22, CKA21, GCG⁺22, HPV⁺21, Ken20, KYAN21, KB22, MS20, Nar22, OMG22, PVFP22a, PVFP22b, RA22a, RM22, Rat20, SRC20, SS20, VB21]. **Optimization-Based** [MS20, SS20]. **Optimization-driven** [RA22a]. **Optimization-Enabled** [PVFP22a, PVFP22b]. **Optimized** [LZL⁺21, SP20a]. **Optimizer** [AM20]. **Optimizing** [YYLX21]. **Oral** [SSS⁺22]. **Orchestration** [QMR⁺20]. **Order** [LZM⁺20, ZY21]. **Ordered** [DLM20, RS21]. **Oriented** [VB21, BYYS21]. **Orthogonal** [Wil22]. **Outsourced** [LWL⁺22]. **Outsourcing** [SZX20].

Packet [CZH⁺21]. **Pages** [PK22, PJ20]. **Pairings** [ZYW⁺20]. **Palm** [WZQ⁺22]. **Palmprint** [PC22]. **Pancyclicity** [KCLH21]. **Panic** [SS22]. **Panic-based** [SS22]. **Paradigms** [TK22]. **Parallel** [BC22, OFMH22, SV22]. **Parallelization** [RLIK21]. **Parameters** [KD21, MW21]. **Partial** [LC20, LZG⁺21b, YLZ20]. **Particle** [Ken20, PK21]. **Partitioning** [SWJkL20]. **Party** [MHAR20]. **Passenger** [DLM20]. **Passive** [LWS⁺21, YWHY20]. **Password** [SJHL21]. **Password-Authenticated** [SJHL21]. **Path** [YCZ⁺22]. **Pathway** [GR21]. **Patterns** [PJ20]. **PBFT** [KKM21]. **Perception** [KKK21, SZL22]. **Perfectly** [RLIK21]. **Performance** [ARDP21, BRA21, CK22, CLM⁺20, CYH⁺20, Gan20, OB21, WSCL22]. **Permission** [BCS22]. **Permission-Role-Usage** [BCS22].

Persistence [LZC⁺21]. **Personal** [LHL21]. **Personality** [PC22]. **Personalized** [CZLY21, LHL21, SCH⁺20]. **Persons** [PK20]. **Perspectives** [AK20]. **Perturbation** [SRC20]. **Physical** [BHJ20, SS22]. **Pixel** [KS21]. **PKI** [KKM21]. **Plan** [HH22]. **Plane** [VD20]. **Plans** [WLZ20]. **Platform** [RMSMAH⁺20, WZQ⁺22]. **PLSR** [MK20]. **PMC** [LZH⁺20]. **Point** [CHT20, LDC⁺21, PS20]. **Policies** [JCY⁺20]. **Policy** [AK20]. **Pollination** [GS22]. **Pollination-Based** [GS22]. **Polygonal** [PXWL22]. **Polynomial** [HJK20, LWX22, YDS⁺20]. **Positioning** [Wan21]. **Potential** [AR21]. **Power** [CLM⁺20, MMK22, OCPM20]. **Practical** [CLG⁺20, ZLD⁺20]. **Pre** [OB21, SSS⁺22]. **Pre-Cancerous** [SSS⁺22]. **Pre-trained** [OB21]. **Precise** [LDC⁺21]. **Precoding** [RM22]. **Predict** [KKK21]. **Predicting** [PJ20]. **Prediction** [ASM⁺21, CK21, DH21, FGM21, GK21, GR21, GG22, HFT22, HSL⁺22, KS21, KS20a, KS20b, MYB20, Meg20, MPL21, PGV⁺22, SP20a, SJ22, Sha21, SHL22]. **Prediction-Based** [FGM21, KS21]. **Preference** [SHL22, WtZLS20]. **Preferences** [BYYS21]. **Preservation** [WZC⁺21]. **Preserved** [SRC20]. **Preserving** [LLG⁺20, ZTK21]. **Pressure** [Gan20]. **Prices** [PGV⁺22]. **Primary** [AEZ21]. **Primitives** [CHWM21]. **Print** [WZQ⁺22]. **Prioritization** [BRA21]. **Prioritizing** [MKI20]. **Privacy** [ATZ⁺21, AKD⁺21, CZLY21, CHWM21, CPN⁺21, LLG⁺20, LWX22, SRC20, ZTK21]. **Privacy-Aware** [CHWM21]. **Privacy-Preserving** [LLG⁺20, ZTK21]. **Private** [GKK22, PCMPCA⁺20, RK21, WL20]. **Probabilistic** [MKI20]. **Probabilities** [HLX22]. **Probability** [LPP21]. **Problem** [dAJS22, RAD20]. **Problems** [AM20].

Process [WBG21]. **Processing** [BS21, BC22, CBEBPPZM20, HAWA⁺22, RMSMAH⁺20, SV22]. **Processor** [TK22]. **Product** [SRC20]. **profiled** [LZX⁺22]. **Profit** [CZLY21, HHX⁺20]. **Profit-maximizing** [CZLY21]. **Programming** [BC22]. **Programs** [BHJ20]. **Prolong** [CHT20]. **Proof** [SJHL21]. **Proofs** [GQL⁺20]. **Propagation** [BGHG22, HLJW22, LH20, LTH21]. **Property** [HLJW22]. **Proposed** [HFT22, KKK21, RM22, SGGM21]. **Proprietary** [HHC22]. **Protect** [CPN⁺21]. **Protection** [AKD⁺21]. **Protocol** [Far20, Gan20, KYAN21, LLG⁺20, MM20, PCMPA⁺20, RS21, SJ20]. **Protocols** [KSG20b]. **Provably** [YWHY20]. **Provisioning** [SII22]. **Proxies** [OCPM20]. **Proxy** [LWS⁺21, YWHY20]. **Pruning** [AV20, MM21]. **Public** [Ala20, FGC22, HYZH22, LZG⁺21b, LH20, LTH21, MH20, QYZ⁺21]. **Public-Key** [Ala20, HYZH22, QYZ⁺21]. **Publishing** [SRC20, WL20]. **Pulmonary** [Gök21].

Qassim [AHI22]. **QoS** [AK20, GP21, KSG20b, NJ21]. **QoS-Aware** [NJ21]. **Quality** [NCL22]. **Quantitative** [Meg20]. **Quaternion** [TY⁺21]. **Queries** [ARDP21]. **Query** [CZLY21, HPV⁺21, LPH21, GPR20]. **Query-based** [CZLY21]. **query-specific** [GPR20]. **Querying** [LSH⁺22]. **Question** [YWY21]. **Queue** [SV22].

Radio [MM20]. **Radiographs** [PXWL22]. **RAID** [YYLX21]. **RAID-6** [YYLX21]. **Rainfall** [SP20a]. **Random** [AM20, aBWH⁺22, EI21, KD21, LHL21, LZ20a, QDZZ20]. **Randomized** [LZ20b]. **Randomly** [KB22]. **Rank** [SP20b]. **ranking** [SP20b]. **Rate** [ZY21]. **Rating** [HFT22]. **Ratings** [ADF22]. **Re** [SP20b]. **Re-ranking** [SP20b]. **Reaction** [Wan21].

Readability [PK20, PK22]. **Real** [ECE20, HWS21, MYB20, QXZZ21, SJL20, WSA22]. **Real-Time** [ECE20, HWS21, MYB20, SJL20, WSA22]. **Real-World** [QXZZ21]. **Reasoning** [DFS⁺21b]. **Receiver** [ZZL20]. **Receiving** [HAWA⁺22]. **Rechargeable** [CHT20]. **Recognition** [AEZ20, AEZ21, BIZA21, FFH22, FZH21, Gok22, HZY21, LPP21, MSH22, OB21, RKA⁺22, SAR⁺22, SS20, WSA22, WZQ⁺22, XDZ22, ZWM22]. **Recommendation** [ADF22, GSFS21, HHX⁺20, SC22, SD20, TGZ⁺21]. **Recommendations** [DLM20, LSC⁺22]. **Recommender** [ATZ⁺21, AKD⁺21, HFT22]. **Reconfiguration** [GGJM21]. **Reconstruction** [TTPD21]. **Recovery** [MG21, ZLD⁺20]. **Recursive** [SM21]. **Redis** [SV22]. **Redis-Based** [SV22]. **Reduced** [LSG⁺20, ZLD⁺20, ZZD⁺21]. **Reduced-Round** [LSG⁺20]. **Redundancy** [LZY20]. **Redundancy-Aware** [LZY20]. **Region** [XXM⁺22]. **Registration** [LDC⁺21]. **Regret** [GKK22]. **Regular** [LZC⁺21, SZL⁺20, ZHP21, ZMWL20]. **Regularizing** [MSZ⁺20]. **Reinforcement** [LL21, XCC20]. **Related** [BS21]. **Relation** [HPV⁺21]. **Relationship** [LLF⁺21, YLW21]. **Relative** [Meg20]. **Reliability** [GHC21, HLX22, LCF⁺21, ZM21, ZHP21]. **Relying** [SB20]. **Remote** [MM21, WWY⁺20b]. **Removal** [ANA⁺22]. **Replica** [LZL20]. **Replication** [AK20, GQL⁺20]. **Representation** [HFT22, LH21, YAHVC20]. **Requirement** [AKI20]. **Rescue** [GGJM21]. **Research** [QGL⁺22]. **Resilient** [HYZH22, ZYW⁺20]. **Resistance** [WL20, ZZ21]. **Resolution** [BFG⁺21, GR22]. **Resource** [JCY⁺20, JTGJ20, SII22, SGGM21]. **Resources** [ANKZ⁺22, YWY21]. **Response** [GR21]. **Restricted** [YYL⁺20]. **Results** [MK20]. **Retrievability** [GQL⁺20].

Retrievable [SRC20]. **Retrieval** [KGA22, KP20, PS20, GPR20]. **Retrieving** [EI21, SIT20]. **Retroactive** [dAJS22]. **Reusable** [LLGC20]. **Reuse** [ML20]. **Reversible** [CYH⁺20, QGL⁺22]. **Review** [HFT22, VS21]. **Review-Based** [HFT22]. **Reviews** [HFT22, SC22]. **Revisited** [LZM⁺20, LSQ20]. **Revisiting** [ARDP21]. **Revocable** [ML20, TLMY21]. **Revocation** [MH21, ZWG⁺20]. **RGIM** [KSG20b]. **Ride** [HHX⁺20]. **Rider** [Nar22, SP20b]. **Rider-Rank** [SP20b]. **Ridesharing** [DLM20]. **Ring** [DST20]. **Rings** [YDS⁺20]. **RIoT** [Far20]. **Risk** [ErEE20]. **River** [Ken20]. **Road** [AKA⁺21, KAMA22]. **Robots** [DLP⁺21, PMMS22]. **Robust** [KSG22, PKLK21, RA21, TYY⁺21, WHL22]. **Role** [BCS22]. **Rotating** [LZX⁺22]. **Roughness** [NCL22]. **Round** [LSG⁺20, YD21, ZLD⁺20, ZZD⁺21]. **Round-Reduced** [ZLD⁺20, ZZD⁺21]. **Route** [HHX⁺20]. **Routing** [Far20, Gan20, KSG20b, KYAN21, RAD20, SJ20]. **Rumor** [DK22].

S [GR22, HLJW22, LZX⁺22]. **S-box** [LZX⁺22]. **S-boxes** [HLJW22]. **S-Dollion-MSVNN** [GR22]. **Sail** [ASPB22]. **Saliency** [NCL22]. **Salient** [LWM⁺22]. **SAR** [KRR20]. **Satellite** [GR22, MS20]. **Satisfaction** [NJ21]. **Satisfiability** [RAD20]. **Saving** [OCPM20]. **Scalable** [CZH⁺21, GGJM21, YLZ20]. **Scale** [SII22, WG21, ZLC⁺22]. **Scaled** [BJ22]. **Scaling** [TK22, YYLX21]. **Scheduling** [GS22, LZQL22]. **Scheme** [CHT20, CLG⁺20, DST20, GAK20, HFT22, LLG⁺20, LWS⁺21, LZX⁺22, YWHY20, ZYW⁺20]. **Schemes** [WL20, WZG⁺20]. **Sclera** [XDZ22]. **Scores** [NJ21]. **Script** [RKA⁺22]. **SDN** [VD20]. **SDVoIP** [GP21]. **Search** [AM20, BFM22, CLG⁺20, GS22, JZD21, KP20, LC20, LdXZ⁺21, MH20, MA20, SP20b]. **Searchable** [WCD21].

Secret [TLD⁺20, TLMY21]. **Secure** [AKI20, JTGJ20, LZ20b, MH20, PCMPCA⁺20, SZX20, SJ20, WZG⁺20, YWHY20]. **Security** [ANG20, BG21, CPN⁺21, ErEE20, LSY⁺20, LWS⁺21, YCL⁺20]. **Seed** [PS20].

Segmentation [KB22, LWM⁺22, PXWL22, RA21, XDZ22].

Selection [EO21, GAK20, GK21, GCD21, HHC22, KD21, LZL20, NJ21, PS20, YAHVC20].

Selection-Based [PS20]. **Selector** [KKK21]. **Self** [HJK20]. **Self-Stabilizing** [HJK20]. **Semantic** [EI21, KGA22, MKS⁺22, PS22, RA21, RM20]. **Semi** [HPV⁺21, HZW21, WQZ⁺22]. **Semi-join** [HPV⁺21]. **Semi-Supervised** [WQZ⁺22, HZW21]. **Sensation** [LHL21]. **Sensing** [LZY20, MM20, WWY⁺20b]. **Sensitive** [BKS22]. **Sensitivity** [SK22].

Sensor [ASSA21, CHT20, Gan20, MM20, RS21].

Sentences [PS22]. **Sentiment** [AÖ21, ÇÖİ21, LHLY20, LH21, OMG22, SR20, XXM⁺22]. **Sentiment-Specific** [XXM⁺22]. **Sequential** [PJ20]. **Series** [SCH⁺20, WHL22]. **Server** [ML20]. **Server-aided** [ML20]. **Servers** [OCPM20]. **Service** [AAJ⁺20, MM21, NJ21, QMR⁺20, TBH21, WtZLS20]. **Services** [AVA21, LLG⁺20, PCMPCA⁺20]. **Servicing** [ECE20]. **Session** [LSY⁺20]. **Session-Specific** [LSY⁺20]. **Set** [LDC⁺21, RK21, WCD21]. **Severity** [ASPB22, CKA21]. **Severn** [Ken20]. **Shape** [EI21]. **Shaped** [SIT20]. **Shapes** [AEZ20]. **Sharing** [HHX⁺20, HSL⁺22, VD20]. **Shearlet** [BSM21]. **Short** [LH22, YYLX21, ZZC⁺22]. **Short-Code** [YYLX21]. **Shot** [HWS21]. **Sierpiński** [QDZZ20]. **SIFT** [BGHG22]. **SIFT-Based** [BGHG22]. **Signal** [QAA⁺22, ZZL20]. **Signalling** [GR21]. **Signals** [LLY⁺21, MK20]. **Signature**

[DST20, LSQ20, LWS⁺21, MH21, WZG⁺20, YDS⁺20, YWHY20]. **Signatures** [KKM21, LXY⁺20]. **Signcryption** [LSY⁺20]. **Significant** [XDZ22]. **Silent** [HJK20]. **SIMD** [FPT22]. **Similarity** [PS22, VB21]. **Simplification** [LPH21]. **Simplified** [MG21]. **Simulation** [ANKZ⁺22, MNN20]. **Simulink** [TBH21]. **Simultaneous** [Lee20]. **Sine** [ASPB22]. **Singh** [SRC20]. **Single** [HWS21, SZX20, TK22]. **Single-Core** [TK22]. **Single-Shot** [HWS21]. **Singular** [TYY⁺21]. **SIP** [GP21]. **Site** [KKK21]. **Sites** [GSFS21]. **Situation** [FFH22]. **Size** [FGC22]. **Sized** [HJ20]. **Skills** [PK20]. **SKINNY** [MA20]. **Skyline** [SIT20]. **SkySlide** [MG22]. **Slack** [ECE20]. **Slices** [GGJM21]. **Small** [GR21, HJ20, ZWM22]. **Smaller** [BKS21]. **Smart** [AKA⁺22, AKA⁺21, KS20b, WSA22]. **Smartphone** [SCH⁺20]. **Smartphones** [YSH⁺22]. **SMOTE** [PG22]. **SMT** [RAD20]. **SMT-LH** [RAD20]. **Snap** [KA20]. **Snap-Stabilizing** [KA20]. **SNOW** [JLH20]. **SNOW-V** [JLH20]. **Social** [DK22, LH22, LH20, LHLY20, MYB20, MFHhK21, SV22, TGZ⁺21, WGL⁺22, YFA20]. **Software** [BYYS21, CDCN21, GP21, GSFS21, SWJkL20, WBG21]. **Software-Defined** [GP21]. **Solution** [Nar21]. **Solutions** [ATZ⁺21, MW21]. **Solving** [AM20, RAD20]. **Some** [SZL⁺20, ZHP21]. **SoS** [MNN20]. **Sound** [HHLL22]. **Sounds** [Gök21]. **Space** [BJ22, PiKT21]. **Space-Efficient** [PiKT21]. **Spanning** [dAJS22]. **Sparse** [RA22a]. **Sparse-FCM** [RA22a]. **Spatial** [LZZZ21, SIT20]. **Spatiotemporal** [KAMA22]. **Speaker** [SS20]. **Specific** [LSY⁺20, XXM⁺22, GPR20]. **Specification** [LZZZ21]. **Specifications** [BHJ20]. **Specifying** [AKI20]. **Spectra** [ZZ21]. **Spectral** [WZC⁺21]. **Spectrum** [MM20]. **Speech** [DFS⁺21a]. **Spiral** [Nar22]. **splicing** [KSG20a]. **Spline** [ANA⁺22]. **Split** [GHC21]. **Split-Stars** [GHC21]. **Spread** [DH21]. **SS6** [YYLX21]. **Stabilizing** [HJK20, KA20]. **Stack** [ARDP21]. **Stage** [RA22b]. **Standard** [Ala20, FGC22, LSX⁺21, LSY⁺20, MH21]. **Star** [HJK20]. **Stars** [GHC21]. **Station** [HSL⁺22]. **Station-Based** [HSL⁺22]. **Statistical** [NCL22, PGV⁺22, TEGB22]. **Status** [ATZ⁺21, LZG21a]. **Stealing** [ECE20]. **Steganography** [KS21]. **Step** [Sar20, YSH⁺22]. **Step-Counting** [YSH⁺22]. **Stimuli** [SZL22]. **Stochastic** [Rat20]. **Stock** [GK21, PGV⁺22]. **Stops** [DLM20]. **Storage** [GQL⁺20, LZG⁺21b, LWL⁺22, YLZ20]. **Stored** [ANG20]. **Strategies** [LZL20]. **Strategy** [MSZ⁺20]. **Stream** [JLH20, MG21]. **Strength** [Sha21]. **String** [FPT22, ZMWL20]. **Strong** [Ala20, GCH21]. **Structural** [MW21, WGL⁺22]. **Structure** [LYK⁺20, SM21, WZC⁺21]. **Structured** [WSA22]. **Student** [MKS⁺22]. **Study** [HJ20, NCL22, SAR⁺22]. **Subdivision** [ZZ21]. **Subgraph** [HLX22]. **Subsampled** [BSM21]. **Subtrees** [YCZ⁺22]. **Subversion** [YCL⁺20]. **Success** [ZY21]. **Suffix** [BKS21]. **Suicidal** [CK21, CK22]. **Sum** [WZXX20]. **Summarization** [BS21, BFM22, TEGB22]. **Super** [GR22]. **Super-Resolution** [GR22]. **Supervised** [AKA⁺21, CBEBPPZM20, WQZ⁺22, XXM⁺22, HZW21]. **Support** [aBWH⁺22, HZW21, KS21, SS20, WSA22]. **Supporting** [LZG⁺21b]. **Suppression** [OFMH22]. **Surpassing** [KTK21]. **Surrounding** [SIT20]. **Surveillance** [MSH22, VKM21, WSA22]. **Survey** [ATZ⁺21, CK21, GLLZ21]. **Survivability** [SRL20]. **Susceptibility** [MG22]. **SVD** [TYY⁺21]. **SVM** [MK20, NBTB20]. **Swarm** [CKA21, Ken20, KB22, LdXZ⁺21, PK21]. **Switching** [LYK⁺20]. **Syndrome** [aBWH⁺22]. **System** [AEZ20, AKA⁺21, DLM20, DFS⁺21a, FSN21, GKK22, Gök21, HSL⁺22, LZL20,

LHL21, MS20, PAO20, RD20, RM22, RKA⁺22, SS22, WSA22, ZWG⁺20].

System-based [RD20]. **Systems** [ATZ⁺21, AK20, AKD⁺21, AKI20, BYYS21, BHJ20, CDCN21, DFS⁺21a, ECE20, HFT22, MNN20, RD20]. **Systems-of-Systems** [MNN20].

Table [HLJW22, YLZ20]. **Tabu** [MSZ⁺20]. **Tactile** [SZL22, WSCL22]. **Tag** [GSFS21]. **Tamper** [SJHL21]. **Tamper-Proof** [SJHL21]. **Target** [HSL⁺22, XCC20, ZWM22]. **Task** [ASSA⁺21, BFM22, DY21, GS22, SWJkL20]. **Task-Graph** [SWJkL20]. **Task-Scheduling** [GS22]. **Technique** [ANA⁺22, AM20, GR21, PG22, RAD20]. **Techniques** [Meg20, RMSMAH⁺20, VS21]. **Technology** [KAMA22]. **Templates** [ANG20]. **Temporal** [MPL21]. **Temporary** [LSY⁺20]. **Tenuous** [LSH⁺22]. **Terahertz** [WWY20a]. **Term** [LH22]. **Terminating** [DLP⁺21]. **Test** [LSX⁺21, LZG⁺21b, LMH⁺21]. **Testbed** [ARDP21]. **Testing** [CDCN21, LZC⁺21, SB20, ZMWL20]. **Text** [BFM22, DK22, DFS⁺21a, HAWA⁺22, VB21]. **Text-to-Speech** [DFS⁺21a]. **Texts** [ZZC⁺22]. **Their** [AEZ21, HCZ⁺21, KCLH21]. **Theme** [HLML21]. **Theoretical** [ZY21]. **Theory** [RAD20, WCD21]. **Theory-Based** [RAD20]. **Thermal** [LHL21, NB21]. **Things** [Far20]. **Third** [MHAR20]. **Thoughts** [CK22]. **Three** [KCLH21, WZ20]. **Three-Ary** [WZ20]. **Threshold** [KKM21]. **Tightly** [WZG⁺20]. **Tile** [RLIK21]. **Time** [ECE20, GYY⁺20, HWS21, LZQL22, LTH21, MYB20, MKI20, RAD20, SCH⁺20, SJL20, WSA22, WHL22, ZWM22]. **Time-Based** [LZQL22]. **Time-Series** [SCH⁺20]. **TimeRider** [VKM21]. **TimeRider-Based** [VKM21]. **Times** [QDZZ20, ZZ21]. **Timeslot** [NJ21]. **TLBO** [KYAN21].

Tolerance [SM21]. **Tongue** [NGS22, SSS⁺22]. **Tools** [MFHhK21]. **Top** [TBH21]. **Topic** [SC22, SJL20, ZZC⁺22]. **Topological** [MPL21]. **Touchscreens** [WSCL22]. **Tourism** [SHL22]. **Tourist** [SHL22]. **Touristic** [PCMPCA⁺20]. **Toxicity** [GR21]. **Traceable** [LHW21]. **Tracing** [Nar21]. **Tracking** [BGHG22, GYY⁺20]. **Tracy** [SRC20]. **Trading** [CZLY21]. **Traditional** [LLY⁺21]. **Traffic** [AKA⁺21, Zar20]. **Traffic-Centric** [Zar20]. **Trails** [JZD21]. **Train** [CBEBPPZM20]. **trained** [OB21]. **Traitors** [LHW21]. **Trajectory** [WL20]. **Transfer** [HJ20]. **Transferred** [DFS⁺21a]. **Transferring** [HAWA⁺22]. **Transform** [Gök21, WWY⁺20b]. **Transformation** [WG21]. **Transient** [VD20]. **Transitions** [MMK22]. **Translation** [GCG⁺22]. **Transparency** [LZM⁺20]. **Transportation** [HLML21]. **Trapdoor** [HYZ⁺20]. **Trapezoidal** [GZL⁺21]. **Travel** [HZY21]. **Tree** [FGC22, dAJS22, KA20, SWJkL20, SB20]. **Tricyclic** [Y CZ⁺22]. **Truncated** [MA20]. **Truncated-Differential** [MA20]. **Trust** [ADF22, DY21, TEHG22]. **Trust-aware** [DY21]. **Tumor** [CKA21, KB22]. **Turkish** [ÇÖİ21]. **Tweet** [GKK22]. **Twisted** [KCLH21, qLIHG20]. **Twitter** [DH21, GKK22]. **Two** [CPN⁺21, KCLH21, OMG22, PJ20, RLIK21, Sar20, TEGB22, WZ20]. **Two-Disjoint-Cycle-Cover** [KCLH21]. **Two-Factor** [CPN⁺21]. **Two-Good-Neighbor** [WZ20]. **Two-Level** [PJ20, RLIK21]. **Two-Step** [Sar20]. **Type** [MS20]. **Type-2** [MS20]. **Types** [KCLH21].

UAV [ASSA21]. **UAV-Aided** [ASSA21]. **UE** [GAK20]. **Ultrasound** [BSM21]. **Unconstrained** [AM20]. **Understanding** [Rat20]. **Underwater** [Gan20, PK21, RS21, SLC⁺20].

UnfairDuelMerge [Mer20]. **Uniform** [HLX22, RLIK21]. **Universe** [LSX⁺21]. **University** [AHI22]. **Unlinkable** [TLMY21]. **Unsupervised** [PS20]. **Untrusted** [SZX20]. **Updatable** [HYZ⁺20]. **Update** [XCC20]. **Updated** [KB22, Nar22]. **Uplift** [SD20]. **Urban** [DLM20]. **Urdu** [RKA⁺22]. **Urdu-Like** [RKA⁺22]. **Usage** [BCS22]. **User** [ADF22, GKK22, HZY21, MYB20, WtZLS20]. **User-Generated** [HZY21]. **Users** [ÇÖİ21]. **Using** [ASPB22, AKA⁺22, AV20, AR21, AAJ⁺20, AKA⁺21, BC22, BIZA21, CK21, DAR22, DFS⁺21b, EI21, FSN21, GAK20, Gök21, GG22, HFT22, HH22, KSG20b, Ken20, NJ21, OMG22, PVFP22a, PVFP22b, PGV⁺22, PS22, PK21, QAA⁺22, RA21, RA22a, RA22b, RMSMAH⁺20, SRL20, SCH⁺20, SJ22, SSS⁺22, SJHL21, SA22, SZL22, TK22, VD20, VKM21, WSA22, WCD21, Wan21, WSCL22, ZWM22, ATZ⁺21, BSM21, BGHG22, CKA21, KSG20a, MPL21]. **Utilization** [TEHG22].

V [JLH20]. **Validation** [WLZ20]. **Validity** [LSX⁺21]. **Value** [ErEE20]. **Values** [TY⁺21]. **VANETs** [Zar20]. **VAPR** [Gan20]. **Vector** [aBWH⁺22, GZL⁺21, HZW21, KS21, SS20, WSA22, WZXX20]. **Vectorization** [QGL⁺22]. **Vehicle** [RAD20]. **Vehicular** [TBH21]. **Vein** [WZQ⁺22]. **Verification** [DK22, FYH20]. **Verifier** [MH21, SJHL21]. **Verifier-Based** [SJHL21]. **Verse** [KB22]. **Version** [MG21]. **Versus** [TEGB22]. **Vertex** [HLX22, LX20]. **Vessel** [XDZ22]. **Via** [HAWA⁺22]. **Vibration** [SZL22]. **Video** [DAR22, MK20, MMK22, MSH22, PK20, PVFP22b, TCY⁺20, VKM21, GPR20, PVFP22a]. **Videos** [QAA⁺22]. **View** [BG21, PDRC22, PKLK21]. **Violence** [MSH22]. **Virtual** [CHT20, LL21, LLY⁺21, QMR⁺20, YLZ20]. **Virtual-Point** [CHT20]. **Visible** [QGL⁺22].

Visual [BGHG22, Gok22, NCL22, ZWM22]. **Visualization** [PDRC22]. **Visually** [NB21]. **VoD** [AK20]. **Void** [Gan20]. **VoIP** [GP21]. **Voting** [AA20]. **VR** [CDCN21]. **VR-Based** [CDCN21]. **VSA** [XXM⁺22].

Walks [LZ20a, QDZZ20]. **Warping** [ZWM22]. **Watching** [MK20]. **Watermark** [Nar22]. **Watermarking** [ANG20, HAWA⁺22, QGL⁺22]. **Watson** [MMR22]. **Wave** [RM22, KA20]. **Wavelet** [Gök21, KSG22, MPL21, KSG20a]. **Way** [CPN⁺21]. **Weakly** [XXM⁺22]. **Web** [OCPM20, PK22, PJ20, WtZLS20]. **Weblogs** [PJ20]. **Webpages** [SP20b]. **Weighed** [GPR20, VB21]. **Weight** [RA22b]. **Weighted** [LC20, NJ21]. **Weights** [YCZ⁺22]. **Whale** [Rat20, SRC20]. **WHDA** [KRR20]. **WHDA-FCM** [KRR20]. **Wheel** [LX20]. **Who** [ZZJZ20]. **Wildcards** [Wil22]. **Wildfire** [KS20b]. **Window** [RAD20]. **Windows** [SJL20]. **Wireless** [ASSA21, BRA21, CHT20, Gan20, RS21]. **Withdrawn** [Ano22]. **Without** [ZYW⁺20]. **Wolf** [KRR20, VB21]. **Word** [HFT22]. **Words** [LH21]. **Work** [OFMH22]. **Work-Efficient** [OFMH22]. **World** [ASM⁺21, QXZZ21]. **Worst** [NJ21]. **Wrapper** [GK21]. **Wrapper-Enabled** [GK21]. **Wrinkles** [AEZ20]. **Writing** [LLY⁺21]. **WS** [PJ20]. **WS-BD-Based** [PJ20]. **WSN** [KYAN21].

Xoodoo [ZLD⁺20]. **Xoodoo-AE** [ZLD⁺20]. **Xoodyak** [ZLD⁺20]. **Xooff** [ZZD⁺21].

Young [GCD21].

Zero [WZXX20, YD21]. **Zero-Knowledge** [WZXX20, YD21]. **Zhaoqing** [HJ20]. **Zoom** [WSCL22].

References

- [AA20] **Aydin:2020:CMV**
 Fatih Aydin and Zafer Aslan. The construction of a majority-voting ensemble based on the interrelation and amount of information of features. *The Computer Journal*, 63(11):1756–1774, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1756/5625929>.
- [AAJ⁺20] **Asad:2020:DDD**
 Muhammad Asad, Muhammad Asim, Talha Javed, Mirza O. Beg, Hasan Mujtaba, and Sohail Abbas. DeepDetect: Detection of distributed denial of service attacks using deep learning. *The Computer Journal*, 63(7):983–994, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/983/5525444>.
- [aBWH⁺22] **Bi:2022:CER**
 Xia an Bi, Hao Wu, Xi Hu, Yu Fu, and Shao-liang Peng. Clustering-evolutionary random support vector machine ensemble for fMRI-based Asperger syndrome diagnosis. *The Computer Journal*, 65(2):251–260, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/251/5821299>.
- [ADF22] **Albert:2022:FHG**
 I. Edwin Albert, A. J. Deepa, and A. Lenin Fred. Fidelity homogeneous genesis recommendation model for user trust with item ratings. *The Computer Journal*, 65(6):1639–1652, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1639/6572852>.
- [AEZ20] **Afdhal:2020:ERH**
 Rim Afdhal, Ridha Ejbali, and Mourad Zaied. Emotion recognition by a hybrid system based on the features of distances and the shapes of the wrinkles. *The Computer Journal*, 63(3):351–363, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/351/5466467>.
- [AEZ21] **Afdhal:2021:PER**
 Rim Afdhal, Ridha Ejbali, and Mourad Zaied. Primary emotions and recognition of their intensities. *The Computer Journal*, 64(12):1848–1860, December 2021. CO-

DEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1848/5717857>. ■

Alajlan:2022:EAC

[AHI22]

Norah Alajlan, Mohammed Hadwan, and Dina M Ibrahim. Effectiveness of adopting cloud-based e-learning at Qassim University. *The Computer Journal*, 65(5):1098–1106, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1098/6012868>. ■

Alaya:2020:QEV

[AK20]

Bechir Alaya and Rehanullah Khan. QoS enhancement in VoD systems: Load management and replication policy optimization perspectives. *The Computer Journal*, 63(10):1547–1563, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1547/5865453>. ■

Ata:2021:AIE

[AKA⁺21]

Ayesha Ata, Muhammad Adnan Khan, Sagheer Abbas, Muhammad Saleem Khan, and Gulzar Ahmad. Adaptive IoT empowered smart road traffic congestion control system using super-

vised machine learning algorithm. *The Computer Journal*, 64(11):1672–1679, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1672/5838271>. ■

Abbas:2022:ESC

[AKA⁺22]

Sagheer Abbas, Muhammad Adnan Khan, Atifa Athar, Syed Ali Shan, Anwar Saeed, and Tahir Alyas. Enabling smart city with intelligent congestion control using hops with a hybrid computational approach. *The Computer Journal*, 65(3):484–494, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/484/5866138>. ■

Ali:2021:FLA

Waqar Ali, Rajesh Kumar, Zhiyi Deng, Yansong Wang, and Jie Shao. A federated learning approach for privacy protection in context-aware recommender systems. *The Computer Journal*, 64(7):1016–1027, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1016/6259634>. ■

- [AKI20] **Alyari:2020:SNR** Robab Alyari, Jaber Karimpour, and Habib Izadkhah. Specifying a new requirement model for secure adaptive systems. *The Computer Journal*, 63(8):1148–1167, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1148/5645559>. ■
- [Ala20] **Alawatugoda:2020:PKE** Janaka Alawatugoda. Public-key encryption in the standard model against strong leakage adversary. *The Computer Journal*, 63(12):1904–1914, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1904/5850745>. ■
- [AM20] **Al-Muhammed:2020:LGN** Muhammed Jassem Al-Muhammed. Lookback-guess-next optimizer: Feedback-guided random search technique for solving unconstrained optimization problems. *The Computer Journal*, 63(5):791–816, May 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/791/5487028>. ■
- [ANA⁺22] **Abidi:2022:HMC** Afef Abidi, Ibtihel Nouira, Ines Assali, Mohamed Ali Saafi, and Mohamed Hedi Bedoui. Hybrid multi-channel EEG filtering method for ocular and muscular artifact removal based on the 3D spline interpolation technique. *The Computer Journal*, 65(5):1257–1271, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1257/6066623>. ■
- [ANG20] **Abdul:2020:CWH** Wadood Abdul, Ohoud Nafea, and Sanaa Ghoulali. Combining watermarking and hyper-chaotic map to enhance the security of stored biometric templates. *The Computer Journal*, 63(3):479–493, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/479/5510728>. ■
- [ANKZ⁺22] **Ahmed-Nacer:2022:MDS** Mehdi Ahmed-Nacer, Slim Kallel, Faiez Zalila, Philippe Merle, and Walid Gaaloul. Model-driven simulation of elastic OCCI cloud resources. *The Computer Journal*, 65(5):1144–1166, May 2022. CODEN CM-

- PJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1144/6043303>.
Anonymous:2022:WE [ARDP21]
- [Ano22] Anonymous. Withdrawn: Editorial. *The Computer Journal*, 65(5):??, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/bxr040/2609372>.
 A blank Editorial was assigned to this DOI in error, which has been withdrawn.
Abdalla:2021:SAF
- [AÖ21] Ghazi Abdalla and Fatih Özyurt. Sentiment analysis of fast food companies with deep learning models. *The Computer Journal*, 64(3):383–390, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/383/5926765>.
Aprem:2021:BOA
- [AR21] Anup Aprem and Stephen Roberts. A Bayesian optimization approach to compute Nash equilibrium of potential games using bandit feedback. *The Computer Journal*, 64(12):1801–1813, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1801/5650974>.
Adiwal:2021:RPD
- Sanjay Adiwal, Balaji Rajendran, Pushparaj Shetty D, and Gopinath Palaniappan. Revisiting the performance of DNS queries on a DNS hierarchy testbed over dual-stack. *The Computer Journal*, 64(6):843–859, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/843/6169062>.
Alam:2021:CBP
- [ASM+21] Talha Mahboob Alam, Kamran Shaukat, Mubashar Mushtaq, Yasir Ali, Matloob Khushi, Suhuai Luo, and Abdul Wahab. Corporate bankruptcy prediction: an approach towards better corporate world. *The Computer Journal*, 64(11):1731–1746, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1731/5856206>.
A:2022:LCD
- [ASPB22] Selvapandian A., Nagenra Prabhu S., Sivakumar P, and Jagannadha Rao D. B. Lung cancer detection

- and severity level classification using sine cosine sail fish optimization based generative adversarial network with CT images. *The Computer Journal*, 65(6):1611–1630, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1611/6399871>. ■
- [AV20] **Al-Share:2021:CLB**
 Rama Al-Share, Mohammad Shurman, and Abdallah Alma'aitah. A collaborative learning-based algorithm for task offloading in UAV-aided wireless sensor networks. *The Computer Journal*, 64(10):1575–1583, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1575/6326765>. ■
- [ASSA21] **Abduljabbar:2021:SPS**
 Tamara Abdulmunim Abduljabbar, Xiaohui Tao, Ji Zhang, Xujuan Zhou, Lin Li, and Yi Cai. A survey of privacy solutions using blockchain for recommender systems: Current status, classification and open issues. *The Computer Journal*, 64(7):1104–1129, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1104/6289879>. ■
- [AVA21] **Ameen:2020:PNN**
 Salem Ameen and Sunil Vadera. Pruning neural networks using multi-armed bandits. *The Computer Journal*, 63(7):1099–1108, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/1099/5574718>. ■
- [ATZ+21] **Ali:2021:BBF**
 Muhammad Salek Ali, Massimo Vecchio, and Fabio Antonelli. A blockchain-based framework for IoT data monetization services. *The Computer Journal*, 64(2):195–210, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/195/5911075>. ■
- [BC22] **Boinski:2022:ODA**
 Tomasz Boiński and Paweł Czarnul. Optimization of data assignment for parallel processing in a hybrid heterogeneous environment using integer linear programming. *The Computer Journal*, 65(6):1412–1433, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/195/5911075>. ■

- academic.oup.com/comjnl/■
 article/65/6/1412/6127452.■
- [BCS22] **Blundo:2022:RMH**
 Carlo Blundo, Stelvio Cimato,■
 and Luisa Siniscalchi. Role
 mining heuristics for permission-
 role-usage cardinality con- [BG21]
 straints. *The Computer*
Journal, 65(6):1386–1411,
 June 2022. CODEN CM-
 PJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL [http://](http://academic.oup.com/comjnl/■)
academic.oup.com/comjnl/■
 article/65/6/1386/6134261.■
- [BFG⁺21] **Bekos:2021:HAT**
 Michael A. Bekos, Henry
 Förster, Christian Geckeler, [BGHG22]
 Lukas Holländer, Michael
 Kaufmann, Amadäus M.
 Spallek, and Jan Splett. A
 heuristic approach towards
 drawings of graphs with
 high crossing resolution.
The Computer Journal, 64
 (1):7–26, January 2021. CO-
 DEN CMPJA6. ISSN 0010-
 4620 (print), 1460-2067
 (electronic). URL [http://](http://academic.oup.com/comjnl/■)
academic.oup.com/comjnl/■
 article/64/1/7/5645631.
- [BFM22] **Bidoki:2022:TSM** [BHJ20]
 M Bidoki, M Fakhrahmad,
 and M R Moosavi. Text
 summarization as a multi-
 objective optimization task:
 Applying harmony search to
 extractive multi-document
 summarization. *The Com-*
puter Journal, 65(5):1053–
 1072, May 2022. CODEN
- CMPJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL [http://](http://academic.oup.com/comjnl/■)
academic.oup.com/comjnl/■
 article/65/5/1053/6018134.■
- Boyd:2021:MVF**
 Colin Boyd and Kai Gellert.
 A modern view on forward
 security. *The Com-*
puter Journal, 64(4):639–
 652, April 2021. CODEN
 CMPJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL [http://](http://academic.oup.com/comjnl/■)
academic.oup.com/comjnl/■
 article/64/4/639/5896207.■
- Biswas:2022:SBV**
 Biswajit Biswas, Swarup Kr
 Ghosh, Moumita Hore, and
 Anupam Ghosh. SIFT-
 based visual tracking using
 optical flow and belief
 propagation algorithm. *The*
Computer Journal, 65(1):1–
 17, January 2022. CODEN
 CMPJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL [http://](http://academic.oup.com/comjnl/■)
academic.oup.com/comjnl/■
 article/65/1/1/5686229.
- Burns:2020:DSC**
 Alan Burns, Ian J. Hayes,
 and Cliff B. Jones. Deriv-
 ing specifications of control
 programs for cyber phys-
 ical systems. *The Com-*
puter Journal, 63(5):774–
 790, May 2020. CODEN
 CMPJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL [http://](http://academic.oup.com/comjnl/■)
academic.oup.com/comjnl/■

- academic.oup.com/comjnl/article/63/5/774/5481807.█
- [BIZA21] **Bulbul:2021:IHA** Mohammad Farhad Bulbul, Saiful Islam, Yatong Zhou, and Hazrat Ali. Improving human action recognition using hierarchical features and multiple classifier ensembles. *The Computer Journal*, 64(11):1633–1655, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1633/5625673>.█
- [BJ22] **Bradley:2022:BAS** Patrick Erik Bradley and Markus Wilhelm Jahn. On the behaviour of p -adic scaled space filling curve indices for high-dimensional data. *The Computer Journal*, 65(2):310–330, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/310/5869134>.█
- [BKS21] **Benza:2021:SCS** Ekaterina Benza, Shmuel T. Klein, and Dana Shapira. Smaller compressed suffix arrays. *The Computer Journal*, 64(5):721–730, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/774/5481807>.█
- [BKS22] **Baruch:2022:ECS** Gilad Baruch, Shmuel T. Klein, and Dana Shapira. Enhanced context sensitive flash codes. *The Computer Journal*, 65(5):1200–1210, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1200/6071858>.█
- [BKS21] **B:2021:PAP** Nithya B., Naveen Ranjan, and Justin Gopinath A. Performance analysis of prioritization and contention control algorithm in wireless body area networks. *The Computer Journal*, 64(2):211–223, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/211/6032260>.█
- [BS21] **Baliyan:2021:RBS** Niyati Baliyan and Aarti Sharma. Related blogs’ summarization with natural language processing. *The Computer Journal*, 64(3):347–357, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/347/5901650>.█

- [BSM21] **Bedi:2021:UID**
 Anterpreet Kaur Bedi, Ramesh Kumar Sunkaria, and Deepti Mittal. Ultrasound image despeckling and enhancement using modified multiscale anisotropic diffusion model in non-subsampled shearlet domain. *The Computer Journal*, 64(12):1785–1800, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1785/5670504>. [CDCN21]
- [BYYS21] **Botangen:2021:ICP**
 Khavee Agustus Botangen, Jian Yu, Wai Kiang Yeap, and Quan Z. Sheng. Integrating context to preferences and goals for goal-oriented adaptability of software systems. *The Computer Journal*, 64(5):675–706, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/675/5709019>. [CHT20]
- [CBEPPZM20] **Castro-Bleda:2020:NDC**
 M. J. Castro-Bleda, S. España-Boquera, J. Pastor-Pellicer, and F. Zamora-Martínez. The NoisyOffice database: a corpus to train supervised machine learning filters for image processing. *The Computer Journal*, 63(11):1658–1667, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1658/5648014>. [Correa:2021:STA]
- [CHWM21] **Correa:2021:STA**
 Cléber G. Corrêa, Márcio E. Delamaro, Marcos L. Chaim, and Fátima L. S. Nunes. Software testing automation of VR-based systems with haptic interfaces. *The Computer Journal*, 64(5):826–841, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/826/5856158>. [Chang:2020:MMV]
- [CHWM21] **Chang:2020:MMV**
 Hong-Yi Chang, Zih-Huan Hang, and Yih-Jou Tzang. MNVPCS: Multinode virtual-point-based charging scheme to prolong the lifetime of wireless rechargeable sensor networks. *The Computer Journal*, 63(2):283–294, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/283/5618853>. [Chen:2021:PAI]
- [CHWM21] **Chen:2021:PAI**
 Haixia Chen, Xinyi Huang, Wei Wu, and Yi Mu. Privacy-aware image authentication from cryptographic primitives. *The*

- Computer Journal*, 64(8): 1178–1192, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1178/5943716>.
- [CK21] **Chadha:2021:SPS**
Akshma Chadha and Baijnath Kaushik. A survey on prediction of suicidal ideation using machine and ensemble learning. *The Computer Journal*, 64(11):1617–1632, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1617/5612727>.
- [CK22] **Chadha:2022:PEL**
Akshma Chadha and Baijnath Kaushik. Performance evaluation of learning models for identification of suicidal thoughts. *The Computer Journal*, 65(1):139–154, January 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/1/139/6281304>.
- [CKA21] **Cristin:2021:SLC**
R. Cristin, K. Suresh Kumar, and P. Anbhzagan. Severity level classification of brain tumor based on MRI images using fractional-chicken swarm optimization algorithm. *The Computer Journal*, 64(10):1514–1530, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1514/6287331>.
- [CLG+20] **Chen:2020:PAB**
Yang Chen, Wenmin Li, Fei Gao, Kaitai Liang, Hua Zhang, and Qiaoyan Wen. Practical attribute-based conjunctive keyword search scheme. *The Computer Journal*, 63(8):1203–1215, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1203/5667449>.
- [CLM+20] **Chen:2020:BBP**
Lixia Chen, Jian Li, Ruhui Ma, Haibing Guan, and Hans-Arno Jacobsen. Balancing power and performance in HPC clouds. *The Computer Journal*, 63(6):880–899, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/880/5681778>.
- [ÇÖİ21] **Coban:2021:DLB**
Önder Çoban, Selma Ayşe Özel, and Ali İnan. Deep

- learning-based sentiment analysis of Facebook data: The case of Turkish users. [CZH⁺21] *The Computer Journal*, 64(3):473–499, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/473/6095851>.
- [CPN⁺21] Hui Cui, Russell Paulet, Surya Nepal, Xun Yi, and Butrus Mbimbi. Two-factor decryption: a better way to protect data security and privacy. [CZLY21] *The Computer Journal*, 64(4):550–563, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/550/5868155>.
- [CYH⁺20] Haishan Chen, Junying Yuan, Wien Hong, Jiangqun Ni, and Tung-Shou Chen. On performance improvement of reversible data hiding with contrast enhancement. [CZZW21] *The Computer Journal*, 63(10):1584–1596, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1584/5875042>.
- [Chen:2021:CEA] Shuhui Chen, Jincheng Zhong, Teng Huang, Ziling Wei, and Shuang Zhao. CMT: an efficient algorithm for scalable packet classification. *The Computer Journal*, 64(6):941–959, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/941/6185121>.
- [Cai:2021:PMM] Hui Cai, Yanmin Zhu, Jie Li, and Jiadi Yu. A profit-maximizing mechanism for query-based data trading with personalized differential privacy. *The Computer Journal*, 64(2):264–280, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/264/6043302>.
- [Cheng:2021:HIC] Wen Cheng, Yuqi Zou, Lingfang Zeng, and Yang Wang. Hercules: Intelligent coupling of dual-mode flash memory and hard disk drive. *The Computer Journal*, 64(2):224–235, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/224/6043302>.

- academic.oup.com/comjnl/|
 article/64/2/224/6032259.█
- Junior:2022:FRM**
- [dAJS22] José Wagner de Andrade Júnior█
 and Rodrigo Duarte Seabra. Fully retroactive minimum [DFS+21b]
 spanning tree problem. *The Computer Journal*, 65(4):
 973–982, April 2022. CODEN CMPJA6. ISSN 0010-
 4620 (print), 1460-2067 (electronic). URL [http://academic.oup.com/comjnl/|
 article/65/4/973/6012628](http://academic.oup.com/comjnl/|article/65/4/973/6012628).█
- Davoodi:2022:AEC**
- [DAR22] Omid Davoodi, Mehrdad Ashtiani, and Morteza Rajabi. An approach for the evaluation and correction of manually designed video game levels using deep neural networks. *The Computer Journal*, 65(3):495–515, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL [http://academic.oup.com/comjnl/|
 article/65/3/495/5868153](http://academic.oup.com/comjnl/|article/65/3/495/5868153).█
- Dong:2021:CCS**
- [DFS+21a] Yuhong Dong, Zetian Fu, Stevan Stankovski, Yaoqi Peng, and Xinxing Li. A call center system based on expert systems for the acquisition of agricultural knowledge transferred from text-to-speech in China. *The Computer Journal*, 64(6): 895–908, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL [http://academic.oup.com/comjnl/|
 article/64/6/895/6139149](http://academic.oup.com/comjnl/|article/64/6/895/6139149).█
- Dong:2021:CDD**
- Yuhong Dong, Zetian Fu, Stevan Stankovski, Yaoqi Peng, and Xinxing Li. A cotton disease diagnosis method using a combined algorithm of case-based reasoning and fuzzy logic. *The Computer Journal*, 64(2):155–168, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL [http://academic.oup.com/comjnl/|
 article/64/2/155/5880022](http://academic.oup.com/comjnl/|article/64/2/155/5880022).█
- Drif:2021:OSP**
- Ahlem Drif and Khalil Hadjoudj. An opinion spread prediction model with Twitter emotion analysis during Algeria’s Hirak. *The Computer Journal*, 64(3):358–368, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL [http://academic.oup.com/comjnl/|
 article/64/3/358/5903958](http://academic.oup.com/comjnl/|article/64/3/358/5903958).█
- Devi:2022:RIV**
- [DK22] P. Suthanthira Devi and S. Karthika. Rumor identification and verification for text in social media content. *The Computer Journal*, 65(2):436–455, February 2022. CODEN CM-

- PJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/436/6363561>.
DAndrea:2020:SMP
- [DLM20] Eleonora D’Andrea, Beatrice Lazzerini, and Francesco Marcelloni. A system for multi-passenger urban ridesharing recommendations with ordered multiple stops. *The Computer Journal*, 63(5):657–687, May 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/657/5363891>.
Devismes:2021:TEG
- [DLP⁺21] Stéphane Devismes, Anissa Lamani, Franck Petit, Pascal Raymond, and Sébastien Tixeuil. Terminating exploration of a grid by an optimal number of asynchronous oblivious robots. *The Computer Journal*, 64(1):132–154, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/1/132/5808802>.
Duong:2020:MBR
- [DST20] Dung Hoang Duong, Willy Susilo, and Ha Thanh Nguyen Tran. A multivariate blind ring signature scheme. *The Computer Journal*, 63(8):1194–1202, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1194/5643521>.
Donglai:2021:TAT
- [DY21] Fu Donglai and Liu Yanhua. Trust-aware task allocation in collaborative crowdsourcing model. *The Computer Journal*, 64(6):929–940, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/929/6146549>.
ElOsta:2020:OSS
- [ECE20] Rola El Osta, Maryline Chetto, and Hussein El Ghor. Optimal slack stealing servicing for real-time energy harvesting systems. *The Computer Journal*, 63(10):1537–1546, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1537/5867669>.
Elmezain:2021:RSI
- [EI21] Mahmoud Elmezain and Hani M. Ibrahim. Retrieving semantic image using shape descriptors and latent-dynamic conditional

- random fields. *The Computer Journal*, 64(12):1876–1885, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1876/5904330>. ■
- [EMYRV21] A. Estrada-Moreno, I. G. Yero, and J. A. Rodríguez-Velázquez. On the (k, t) -metric dimension of graphs. *The Computer Journal*, 64(5):707–720, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/707/5808798>. ■ [FFH22]
- [EO21] Esra Sarac Essiz and Murat Oturakci. Artificial bee colony-based feature selection algorithm for cyberbullying. *The Computer Journal*, 64(3):305–313, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/305/5860626>. ■
- [ErEE20] Latifa Er-rajy, My Ahmed El Kiram, and Mohamed El Ghazouani. New security risk value estimate method for Android applications. *The Computer Journal*, 63(4):593–603, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/593/5618854>. ■
- [Far20] Muhammad Omer Farooq. RIoT: a routing protocol for the Internet of Things. *The Computer Journal*, 63(6):958–973, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/958/5808800>. ■
- [Er-rajy:2020:NSR] Er-rajy:2020:NSR
- [Essiz:2021:ABC] Essiz:2021:ABC
- [Faghihi:2022:HLA] Faghihi:2022:HLA
- [Feng:2022:BTE] Feng:2022:BTE
- [FGC22] Shengyuan Feng, Junqing Gong, and Jie Chen. Binary tree encryption with constant-size public key in the standard model. *The Computer Journal*, 65(6):1489–1511, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1293/6103953>. ■
- [Estrada-Moreno:2021:KMD] Estrada-Moreno:2021:KMD
- [Farooq:2020:RRP] Farooq:2020:RRP

- (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1489/6154510>. ■
- Fulber-Garcia:2021:LDF**
- [FGM21] Vinicius Fulber-Garcia and Sérgio Luis Sardi Mergen. LUISA: Decoupling the frequency model from the context model in prediction-based compression. *The Computer Journal*, 64(9):1437–1450, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1437/5868170>. ■
- Fiori:2022:ASM** [FZH21]
- [FPT22] Fernando J. Fiori, Waltteri Pakalén, and Jorma Tarhio. Approximate string matching with SIMD. *The Computer Journal*, 65(6):1472–1488, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1472/6134013>. ■
- Farzadnia:2021:NID**
- [FSN21] Ehsan Farzadnia, Hossein Shirazi, and Alireza Nowroozi. A new intrusion detection system using the improved dendritic cell algorithm. *The Computer Journal*, 64(8):1193–1214, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1193/6015901>. ■
- Fang:2020:EEA**
- [FYH20] Yong Fang, Yue Yang, and Cheng Huang. EmailDetective: an email authorship identification and verification model. *The Computer Journal*, 63(11):1775–1787, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1775/5870579>. ■
- Fang:2021:CCE**
- [FZH21] Yong Fang, Yuchi Zhang, and Cheng Huang. CyberEyes: Cybersecurity entity recognition model based on graph convolutional network. *The Computer Journal*, 64(8):1215–1225, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1215/6012869>. ■
- G:2020:NHU**
- [GAK20] Balaji C. G., Anu Monisha A., and Murugan K. A novel hybrid UE selection scheme for efficient data offloading using D2D communication. *The Computer Journal*, 63(10):1513–1523, October 2020. CODEN CMPJA6. ISSN 0010-4620

- (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1513/5855740>.
Ganesh:2020:PED
- [Gan20] N. Ganesh. Performance evaluation of depth adjustment and void aware pressure routing (DA-VAPR) protocol for underwater wireless sensor networks. *The Computer Journal*, 63(2):193–202, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/193/5613613>.
Guruvammal:2021:OFS
- [GCD21] S. Guruvammal, T. Chel-latamilan, and L. Jegatha Deborah. Optimal feature selection and hybrid classification for autism detection in young children. *The Computer Journal*, 64(11):1760–1774, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1760/6041173>.
Georgiou:2022:LTE
- [GCG⁺22] Kyriakos Georgiou, Zbigniew Chamski, Andres Amaya Garcia, David May, and Kerstin Eder. Lost in translation: Exposing hidden compiler optimization opportunities. *The Computer Journal*, 65(3):718–735, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/718/5880035>.
Gu:2020:CCE
- [GCH20] Mei-Mei Gu, Jou-Ming Chang, and Rong-Xia Hao. On computing component (edge) connectivities of balanced hypercubes. *The Computer Journal*, 63(9):1311–1320, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1311/5554332>.
Gu:2021:SMC
- [GCH21] Mei-Mei Gu, Jou-Ming Chang, and Rong-Xia Hao. Strong Menger connectedness of augmented k -ary n -cubes. *The Computer Journal*, 64(5):812–825, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/812/5830802>.
Gupta:2022:CPC
- [GG22] Surbhi Gupta and Manoj K. Gupta. Computational prediction of cervical cancer diagnosis using ensemble-based classification algo-

- rithm. *The Computer Journal*, 65(6):1527–1539, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1527/6153484>. **Gausseran:2021:SRM** [GK21]
- [GGJM21] Adrien Gausseran, Frederic Giroire, Brigitte Jaumard, and Joanna Moulrierac. Be scalable and rescue my slices during reconfiguration. *The Computer Journal*, 64(10):1584–1599, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1584/6337892>. **Gu:2020:NAL** [GKK22]
- [GHC20] Mei-Mei Gu, Rong-Xia Hao, and Eddie Cheng. Note on applications of linearly many faults. *The Computer Journal*, 63(9):1406–1416, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1406/5614858>. **Gu:2021:RAA**
- [GHC21] Mei-Mei Gu, Rong-Xia Hao, and Jou-Ming Chang. Reliability analysis of alternating group graphs and split-stars. *The Computer Journal*, 64(9):1425–1436, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1425/5872128>. **Gandhmal:2021:WEF**
- Dattatray P. Gandhmal and K. Kumar. Wrapper-enabled feature selection and CPLM-based NARX model for stock market prediction. *The Computer Journal*, 64(2):169–184, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/169/5894133>. **Geetha:2022:WRT**
- R. Geetha, S. Karthika, and Ponnurangam Kumaraguru. I regret for this tweet? — Twitter user’s behavior analysis system for private data disclosure. *The Computer Journal*, 65(2):275–296, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/275/5824617>. **Gan:2021:NNM**
- Jiangzhang Gan, Tong Liu, Li Li, and Jilian Zhang. Non-negative matrix factorization: a survey. *The Computer Journal*, 64(7):1080–1092, July 2021. CODEN

CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1080/6323682>.

Gokcen:2021:CAD

[Gök21]

Ahmet Gökçen. Computer-aided diagnosis system for chronic obstructive pulmonary disease using empirical wavelet transform on auscultation sounds. *The Computer Journal*, 64(11):1775–1783, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1775/6132390>. [GPR20]

Gokulkumari:2022:MEA

[Gok22]

G. Gokulkumari. Metaheuristic-enabled artificial neural network framework for multimodal biometric recognition with local fusion visual features. *The Computer Journal*, 65(6):1586–1597, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1586/6167838>. [GQL⁺20]

Gandotra:2021:SSD

[GP21]

Rahil Gandotra and Levi Perigo. SDVoIP — a software-defined VoIP framework for SIP and dynamic QoS. *The Computer Journal*, 64(2):254–263, Febru-

ary 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/254/6032271>.

Ghuge:2020:WQS

C. A. Ghuge, V. Chandra Prakash, and Sachin D. Ruikar. Weighed query-specific distance and hybrid NARX neural network for video object retrieval. *The Computer Journal*, 63(11):1738–1755, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1738/5618962>.

Guo:2020:IPR

Wei Guo, Sujuan Qin, Jun Lu, Fei Gao, Zhengping Jin, and Qiaoyan Wen. Improved proofs of retrievability and replication for data availability in cloud storage. *The Computer Journal*, 63(8):1216–1230, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1216/5686324>.

Gupta:2021:ETT

Vishan Kumar Gupta and Prashant Singh Rana. Ensemble technique for toxicity prediction of small drug

- molecules of the antioxidant response element signalling pathway. *The Computer Journal*, 64(12):1861–1875, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1861/5739941>.
Gavade:2022:DMH
- [GR22] Anil B Gavade and Vijay S Rajpurohit. S-DolLion-MSVNN: a hybrid model for developing the super-resolution image from the multispectral satellite image. *The Computer Journal*, 65(4):757–772, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/757/5894718>.
Gokuldhev:2022:LPB
- [GS22] M. Gokuldhev and G. Singaravel. Local pollination-based moth search algorithm for task-scheduling heterogeneous cloud environment. *The Computer Journal*, 65(2):382–395, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/382/5860965>.
Gharibi:2021:CBM
- [GSFS21] Reza Gharibi, Atefeh Safdel, Seyed Mostafa Fakhrahmad, and Mohammad Hadi Sadreddini. A content-based model for tag recommendation in software information sites. *The Computer Journal*, 64(11):1680–1691, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1680/5682398>.
Gong:2020:DCF
- [GYY+20] Faming Gong, Hanbing Yue, Xiangbing Yuan, Wenjuan Gong, and Tao Song. Discriminative correlation filter for long-time tracking. *The Computer Journal*, 63(3):460–468, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/460/5498234>.
Gao:2021:EDC
- [GZL+21] Rui Gao, Yuanyuan Zhu, Mingye Li, Shoufeng Li, and Xiaohu Shi. Encoder-decoder couplet generation model based on ‘trapezoidal context’ character vector. *The Computer Journal*, 64(3):286–295, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/286/5860617>.

- [HAWA⁺22] **Hilal:2022:HIT**
 Anwer Mustafa Hilal, Fahd N. Al-Wesabi, Abdelzahir Abdelmaboud, Manar Ahmed Hamza, Mohammad Mahzari, and Abdulkhaleq Q. A. Hassan. A hybrid intelligent text watermarking and natural language processing approach for transferring and receiving an authentic English text via Internet. *The Computer Journal*, 65(2):423–435, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/423/6309918>.
- [HCZ⁺21] **Huang:2021:CAC**
 Rubing Huang, Haibo Chen, Yunan Zhou, Tsong Yueh Chen, Dave Towey, Man Fai Lau, Sebastian Ng, Robert Merkel, and Jinfu Chen. Covering array constructors: an experimental analysis of their interaction coverage and fault detection. *The Computer Journal*, 64(5):762–788, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/762/5822659>.
- [HFT22] **Hasanzadeh:2022:RBR**
 S. Hasanzadeh, S. M. Fakhrahmad, and M. Taheri. Review-based recommender systems: a proposed rating prediction scheme using word embedding representation of reviews. *The Computer Journal*, 65(2):345–354, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/345/5837819>.
- [HH22] **Huynh:2022:NAD**
 Hieu Trung Huynh and Tran Minh Hoang. A novel approach for determining meal plan for gestational diabetes mellitus using artificial intelligence. *The Computer Journal*, 65(5):1088–1097, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1088/6023092>.
- [HHC22] **Hsieh:2022:IES**
 Ping-Chi Hsieh, Der-Juinn Horng, and Hong-Yi Chang. International expansion selection model by machine learning — a proprietary model. *The Computer Journal*, 65(2):217–236, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/217/5824920>.
- [HLL22] **Hao:2022:AEC**
 Wangli Hao, Meng Han,

- Shancang Li, and Fuzhong Li. An attention enhanced cross-modal image-sound mutual generation model for birds. *The Computer Journal*, 65(2):410–422, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/410/6124656>. [HJK20]
- [HHX⁺20] Longji Huang, Jianbin Huang, Yueshen Xu, Zhiqiang Zhao, and Zhenghao Zhang. Driving route recommendation with profit maximization in ride sharing. *The Computer Journal*, 63(11):1607–1623, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1607/5628026>. [HLJW22]
- [HJ20] Tianwen Huang and Fei Jiao. Study on data transfer in meteorological forecast of small and medium-sized cities and its application in Zhaoqing City. *The Computer Journal*, 63(7):1076–1083, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/1076/5560310>. [HLML21]
- [Haddad:2020:PSS] Mohammed Haddad, Colette Johnen, and Sven Köhler. Polynomial silent self-stabilizing p -star decomposition. *The Computer Journal*, 63(2):253–266, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/253/5618961>.
- [Hu:2022:NDP] Xichao Hu, Yongqiang Li, Lin Jiao, and Mingsheng Wang. New division property propagation table: Applications to block ciphers with large S-boxes. *The Computer Journal*, 65(6):1560–1573, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1560/6134263>.
- [Huang:2020:SDT] Gang Han, Menggang Li, Yiduo Mei, and Deming Li. Transportation index computation: a development theme mining-based approach. *The Computer Journal*, 64(3):337–346, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/337/5905458>.

- [HLX22] **Huang:2022:SRA**
 Yanze Huang, Limei Lin, and Li Xu. Subgraph reliability of alternating group graph with uniform and nonuniform vertex fault-free probabilities. *The Computer Journal*, 65(3):589–605, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/589/5879957>.
- [HWS21] **Hellings:2021:RAS**
 Jelle Hellings, Catherine L. Pilachowski, Dirk Van Gucht, Marc Gyssens, and Yuqing Wu. From relation algebra to semi-join algebra: an approach to graph query optimization. *The Computer Journal*, 64(5):789–811, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/789/5827080>.
- [HPV⁺21] **Huang:2022:CSB**
 Jianbin Huang, Heli Sun, He Li, Longji Huang, Ao Li, and Xiangyu Wang. Central station-based demand prediction for determining target inventory in a bike-sharing system. *The Computer Journal*, 65(3):573–588, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic).
- [HYZ⁺20] **Hao:2021:LSS**
 Shijie Hao, Zhonghao Wang, and Fuming Sun. LEDet: a single-shot real-time object detector based on low-light image enhancement. *The Computer Journal*, 64(7):1028–1038, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1028/6275475>.
- [HYZ⁺20] **Huang:2020:ULT**
 Meijuan Huang, Bo Yang, Mingwu Zhang, Lina Zhang, and Hongxia Hou. Updatable lossy trapdoor functions under consecutive leakage. *The Computer Journal*, 63(4):648–656, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/648/5667451>.
- [HSL⁺22] **Huang:2022:CLR**
 Meijuan Huang, Bo Yang, Yanwei Zhou, and Xuewei Hu. Continual leakage-resilient hedged public-key encryption. *The Computer Journal*, 65(6):1574–1585, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1574/6579956>.

- academic.oup.com/comjnl/■
article/65/6/1574/6134264.■
- Hu:2021:ALS**
- [HZW21] Rongyao Hu, Leyuan Zhang, and Jian Wei. Adaptive Laplacian support vector machine for semi-supervised learning. *The Computer Journal*, 64(7):1005–1015, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/■article/64/7/1005/6259636.■>
- Huang:2021:DIR**
- [HZY21] Weidong Huang, Shuting Zhu, and Xinkai Yao. Destination image recognition and emotion analysis: Evidence from user-generated content of online travel communities. *The Computer Journal*, 64(3):296–304, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/■article/64/3/296/5866111.■>
- He:2020:HMM**
- [HZZ20] Binjie He, Dong Zhang, and Chang Zhao. Hidden Markov model-based load balancing in data center networks. *The Computer Journal*, 63(10):1449–1462, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/■article/63/10/1449/5666159.■>
- Jiang:2020:MBC**
- [JCY+20] Lili Jiang, Xiaolin Chang, Runkai Yang, Jelena Mišić, and Vojislav B. Mišić. Model-based comparison of cloud-edge computing resource allocation policies. *The Computer Journal*, 63(10):1564–1583, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/■article/63/10/1564/5865371.■>
- Jiao:2020:GDA**
- [JLH20] Lin Jiao, Yongqiang Li, and Yonglin Hao. A guess-and-determine attack on SNOW-V stream cipher. *The Computer Journal*, 63(12):1789–1812, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/■article/63/12/1789/5739948.■>
- Jain:2022:FFG**
- [JMV22] Amita Jain, Kanika Mittal, and Kunwar Singh Vaisla. FLAKE: Fuzzy graph centrality-based automatic keyword extraction. *The Computer Journal*, 65(4):926–939, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/■article/65/4/926/6134264.■>

- academic.oup.com/comjnl/article/65/4/926/6015899. ■
- [JTGJ20] Jiafu Jiang, Linyu Tang, Ke Gu, and WeiJia Jia. Secure computing resource allocation framework for open fog computing. *The Computer Journal*, 63(4):567–592, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/567/5717858>. ■
- [JZD21] Fulei Ji, Wentao Zhang, and Tianyou Ding. Improving Matsui’s search algorithm for the best differential/linear trails and its applications for DES, DESL and GIFT. *The Computer Journal*, 64(4):610–627, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/610/5880463>. ■
- [KA20] Mehmet Hakan Karaata and Anwar Nais AlMutairi. A snap-stabilizing m -wave algorithm for tree networks. *The Computer Journal*, 63(2):220–238, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/220/5721330>. ■
- [KAMA22] Syed Saqib Ali Kazmi, Mehreen Ahmed, Rafia Mumtaz, and Zahid Anwar. Spatiotemporal clustering and analysis of road accident hotspots by exploiting GIS technology and kernel density estimation. *The Computer Journal*, 65(2):155–176, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/155/5709697>. ■
- [KCLH21] Tzu-Liang Kung, Hon-Chan Chen, Chia-Hui Lin, and Lih-Hsing Hsu. Three types of two-disjoint-cycle-cover pancyclicity and their applications to cycle embedding

- in locally twisted cubes. *The Computer Journal*, 64(1): 27–37, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/1/27/5628025>. **Khair:2021:ERF** [KKK21]
- [KD21] Utkarsh Mahadeo Khair and R. Dhanalakshmi. Effects of random forest parameters in the selection of biomarkers. *The Computer Journal*, 64(12):1840–1847, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1840/5808799>. **Kenny:2020:HFM** [KKM21]
- [Ken20] Ian Kenny. Hydrographical flow modelling of the River Severn using particle swarm optimization. *The Computer Journal*, 63(11):1713–1726, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1713/5618958>. **Kammoun:2022:MBS** [KGA22]
- Hager Kammoun, Imen Gabsi, and Ikram Amous. MeSH-based semantic indexing approach to enhance biomedical information retrieval. *The Computer Journal*, 65(3):516–536, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/516/5869138>. **Keles:2021:PAB**
- Mumine Kaya Keles, Umit Kilic, and Abdullah Emre Keles. Proposed artificial bee colony algorithm as feature selector to predict the leadership perception of site managers. *The Computer Journal*, 64(3):408–417, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/408/6046268>. **Kubilyay:2021:KEP**
- Murat Yasin Kubilyay, Mehmet Sabir Kiraz, and Haci Ali Mantar. KORGAN: an efficient PKI architecture based on PBFT through dynamic threshold signatures. *The Computer Journal*, 64(4):564–574, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/564/5890396>. **Kumar:2020:AIS**
- B. Mathan Kumar and R. PushpaLakshmi. An approach for image search and retrieval by cluster-based indexing of binary

- MKSIFT codes. *The Computer Journal*, 63(6):857–879, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/857/5728652>.
Kumar:2020:WFW
- [KRR20] J. Thrisul Kumar, Y. Mallikarjuna Reddy, and B. Prabhakara Rao. WHDA-FCM: Wolf hunting-based dragonfly with fuzzy C -mean clustering for change detection in SAR images. *The Computer Journal*, 63(2):308–321, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/308/5667455>.
Kaur:2020:AIB [KSA20]
- [KS20a] Amandeep Kaur and Sandeep K. Sood. Artificial intelligence-based model for drought prediction and forecasting. *The Computer Journal*, 63(11):1704–1712, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1704/5618957>.
Kaur:2020:SDM
- [KS20b] Harkiran Kaur and Sandeep K. Sood. A smart disaster management framework for wildfire detection and prediction. *The Computer Journal*, 63(11):1644–1657, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1644/5612729>.
K:2021:PPB
- Reshma V. K and Vinod Kumar R. S. Pixel prediction-based image steganography by support vector neural network. *The Computer Journal*, 64(5):731–748, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/731/5819403>.
Karacay:2020:IDE
- Leyli Karaçay, Erkey Savaş, and Halit Alptekin. Intrusion detection over encrypted network data. *The Computer Journal*, 63(4):604–619, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/604/5618960>.
Kashyap:2020:DSF
- Abhishek Kashyap, B. Suresh, and Hariom Gupta. Detection of splicing forgery using differential evolution and wavelet decomposition. *The Computer*

- Journal*, 63(11):1727–1737, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1727/5618852>.
Kaur:2020:RIA
- [KSG20b] Parampreet Kaur, Ashima Singh, and Sukhpal Singh Gill. RGIM: an integrated approach to improve QoS in AODV, DSR and DSDV routing protocols for FANETS using the chain mobility model. *The Computer Journal*, 63(10):1500–1512, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1500/5827627>.
Kashyap:2022:RDC
- [KSG22] Abhishek Kashyap, B Suresh, and Hariom Gupta. Robust detection of copy-move forgery based on wavelet decomposition and firefly algorithm. *The Computer Journal*, 65(4):983–996, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/983/6012624>.
Khanam:2021:AIS
- [KTK21] Sana Khanam, Safdar Tanweer, and Syed Khalid. Artificial intelligence surpassing human intelligence: Factual or hoax. *The Computer Journal*, 64(12):1832–1839, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1832/5688168>.
Krishnan:2021:EEC
- [KYAN21] Kannan Krishnan, B. Yamini, Wael Mohammad Alenazy, and M. Nalini. Energy-efficient cluster-based routing protocol for WSN based on hybrid BSO–TLBO optimization model. *The Computer Journal*, 64(10):1477–1493, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1477/6287332>.
Lei:2020:NEL
- Zhendong Lei and Shaowei Cai. NuDist: an efficient local search algorithm for (weighted) partial MaxSAT. *The Computer Journal*, 63(9):1321–1337, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1321/5544159>.
Lv:2021:CRE
- [LCF⁺21] Mengjie Lv, Baolei Cheng, Jianxi Fan, Xi Wang, Jingya Zhou, and Jia Yu. The

- conditional reliability evaluation of data center network BCDC. *The Computer Journal*, 64(9):1451–1464, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1451/5901609>.
Liu:2021:PPS
- [LDC⁺21] Yuying Liu, Shaoyi Du, Wenting Cui, Xijing Wang, Qingnan Mou, Jiamin Zhao, Yucheng Guo, and Yong Zhang. Precise point set registration based on feature fusion. *The Computer Journal*, 64(7):1039–1055, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1039/6348008>.
Li:2021:MSC
- [LdXZ⁺21] Juan Li, Dan dan Xiao, Ting Zhang, Chun Liu, Yuan xiang Li, and Gai ge Wang. Multi-swarm cuckoo search algorithm with Q -learning model. *The Computer Journal*, 64(1):108–131, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/1/108/5802861>.
Leeke:2020:SFM
- [Lee20] Matthew Leeke. Simultaneous fault models for the generation and location of efficient error detection mechanisms. *The Computer Journal*, 63(5):758–773, May 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/758/5481796>.
Liu:2020:IPP
- [LH20] Xiaoyang Liu and Daobing He. Information propagation and public opinion evolution model based on artificial neural network in online social network. *The Computer Journal*, 63(11):1689–1703, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1689/5612249>.
Lu:2021:LRC
- [LH21] Guangquan Lu and Jihong Huang. Learning representation from concurrence-words graph for aspect sentiment classification. *The Computer Journal*, 64(7):1069–1079, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1069/6326035>.
Larkin:2022:IGD
- [LH22] Andrew Larkin and Perry Hystad. Integrating geospa-

- tial data and social media in bidirectional long-short term memory models to capture human nature interactions. *The Computer Journal*, 65(3):667–678, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/65/3/667/5893915>. [LHW21]
- Li:2021:RFC**
- [LHL21] Qing Yun Li, Jie Han, and Lin Lu. A random forest classification algorithm based personal thermal sensation model for personalized conditioning system in office buildings. *The Computer Journal*, 64(3):500–508, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/64/3/500/6120296>. [LL21]
- Liu:2020:NAB**
- [LHLY20] Guangfeng Liu, Xianying Huang, Xiaoyang Liu, and Anzhi Yang. A novel aspect-based sentiment analysis network model based on multilingual hierarchy in online social network. *The Computer Journal*, 63(3):410–424, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/63/3/410/5485130>. [LLF⁺21]
- Liu:2021:EAB**
- Zhen Liu, Qiong Huang, and Duncan S. Wong. On enabling attribute-based encryption to be traceable against traitors. *The Computer Journal*, 64(4):575–598, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/64/4/575/5874143>. [Li:2021:VNE]
- Li:2021:VNE**
- Meng Li and MeiLian Lu. A virtual network embedding algorithm based on double-layer reinforcement learning. *The Computer Journal*, 64(6):973–989, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/64/6/973/6280580>. [Liu:2021:RBE]
- Liu:2021:RBE**
- Xiaoyan Li, Cheng-Kuan Lin, Jianxi Fan, Xiaohua Jia, Baolei Cheng, and Jingya Zhou. Relationship between extra connectivity and component connectivity in networks. *The Computer Journal*, 64(1):38–53, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/64/1/38/5644395>.

- [LLG⁺20] Li:2020:NBF Zhidan Li, Wenmin Li, Fei Gao, Ping Yu, Hua Zhang Zhengping Jin, and Qiaoyan Wen. New blind filter protocol: an improved privacy-preserving scheme for location-based services. *The Computer Journal*, 63(12):1886–1903, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1886/5856151>.
- [LLGC20] Li:2020:RFE Yiming Li, Shengli Liu, Dawu Gu, and Kefei Chen. Reusable fuzzy extractor based on the LPN assumption. *The Computer Journal*, 63(12):1826–1834, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1826/5854798>.
- [LLY⁺21] Lu:2021:ETL Li Lu, Jian Liu, Jiadi Yu, Yingying Chen, Yanmin Zhu, Linghe Kong, and Minglu Li. Enable traditional laptops with virtual writing capability leveraging acoustic signals. *The Computer Journal*, 64(12):1814–1831, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1814/5699819>.
- [LMH⁺21] Ling:2021:EGI Yunhao Ling, Sha Ma, Qiong Huang, Ximing Li, Yijian Zhong, and Yunzhi Ling. Efficient group ID-based encryption with equality test against insider attack. *The Computer Journal*, 64(4):661–674, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/661/5910102>.
- [LPH21] Liu:2021:EDQ Jun Liu, Yicheng Pan, and Qifu Hu. Exact distance query in large graphs through fast graph simplification. *The Computer Journal*, 64(1):93–107, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/1/93/5734741>.
- [LPP21] Liu:2021:CRA Zhijun Liu, Xuefeng Pan, and Yuan Peng. Character recognition algorithm based on fusion probability model and deep learning. *The Computer Journal*, 64(11):1705–1714, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic).

(print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1705/5819224>.

Luo:2022:CFG

[LSC⁺22]

Yiqin Luo, Yanpeng Sun, Liang Chang, Tianlong Gu, Chenzhong Bin, and Long Li. Considering fine-grained and coarse-grained information for context-aware recommendations. *The Computer Journal*, 65(3):679–688, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/679/5880461>.

Liu:2020:IMM

[LSG⁺20]

Ya Liu, Bing Shi, Dawu Gu, Fengyu Zhao, Wei Li, and Zhiqiang Liu. Improved meet-in-the-middle attacks on reduced-round Deoxys-BC-256. *The Computer Journal*, 63(12):1859–1870, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1859/5860022>.

Li:2022:QTG

[LSH⁺22]

Yang Li, Heli Sun, Liang He, Jianbin Huang, Jiyin Chen, Hui He, and Xiaolin Jia. Querying tenuous group in attributed networks. *The Computer Journal*, 65(4):

858–873, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/858/5898662>.

Lin:2020:LFI

Xi-Jun Lin, Lin Sun, and Haipeng Qu. Leakage-free ID-based signature, revisited. *The Computer Journal*, 63(8):1263–1270, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1263/5716157>.

Li:2021:LUC

Cong Li, Qingni Shen, Zhikang Xie, Xinyu Feng, Yuejian Fang, and Zhonghai Wu. Large universe CCA2 CP-ABE with equality and validity test in the standard model. *The Computer Journal*, 64(4):509–533, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/509/5872129>.

Lin:2020:SCS

Xi-Jun Lin, Lin Sun, Zhen Yan, Xiaoshuai Zhang, and Haipeng Qu. On the security of a certificateless signcryption with known session-specific temporary

- information security in the standard model. *The Computer Journal*, 63(8):1259–1262, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1259/5699818>.
Liu:2021:DLN
- [LTH21] Xiaoyang Liu, Ting Tang, and Daobing He. Double-layer network negative public opinion information propagation modeling based on continuous-time Markov chain. *The Computer Journal*, 64(9):1315–1325, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1315/5828288>.
Liu:2022:EAS
- [LWL⁺22] Tonglai Liu, Jigang Wu, Jiaxing Li, Jingyi Li, and Zikai Zhang. Efficient algorithms for storage load balancing of outsourced data in blockchain network. *The Computer Journal*, 65(6):1512–1526, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1512/6146586>.
Lin:2022:SOD
- [LWM⁺22] Xiao Lin, Zhi-Jie Wang, Lizhuang Ma, Renjie Li, and Mei-E Fang. Salient object detection based on multiscale segmentation and fuzzy broad learning. *The Computer Journal*, 65(4):1006–1019, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/1006/6042246>.
Lin:2021:SAF
- [LWS⁺21] Xi-Jun Lin, Qihui Wang, Lin Sun, Zhen Yan, and Peishun Liu. Security analysis of the first certificateless proxy signature scheme against malicious-but-passive KGC attacks. *The Computer Journal*, 64(4):653–660, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/653/5880730>.
Li:2022:TBP
- [LWX22] Shimin Li, Xin Wang, and Rui Xue. Toward both privacy and efficiency of homomorphic MACs for polynomial functions and its applications. *The Computer Journal*, 65(4):1020–1028, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/1020/6281302>.

- [LX20] **Luo:2020:KCV**
 Zuwen Luo and Liqiong Xu. A kind of conditional vertex connectivity of Cayley graphs generated by wheel graphs. *The Computer Journal*, 63(9):1372–1384, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1372/5614857>.
- [LZ20a] **Lin:2020:EEC**
 Yuan Lin and Zhongzhi Zhang. Effects of edge centrality on random walks on graphs. *The Computer Journal*, 63(1):25–40, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/25/5259180>.
- [LXY⁺20] **Lin:2020:LHS**
 Cheng-Jun Lin, Rui Xue, Shao-Jun Yang, Xinyi Huang, and Shimin Li. Linearly homomorphic signatures from lattices. *The Computer Journal*, 63(12):1871–1885, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1871/5824921>.
- [LZ20b] **Liu:2020:ASF**
 Muhua Liu and Ping Zhang. An adaptively secure functional encryption for randomized functions. *The Computer Journal*, 63(8):1247–1258, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1247/5699816>.
- [LYK⁺20] **Li:2020:ASB**
 Xian-Shu Li, Su-Kyung Yoon, Jeong-Geun Kim, Bernd Burgstaller, and Shin-Dug Kim. Algorithm-switching-based last-level cache structure with hybrid main memory architecture. *The Computer Journal*, 63(1):123–136, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/123/5310129>.
- [LZC⁺21] **Lian:2021:PHD**
 Guanqin Lian, Shuming Zhou, Eddie Cheng, Jiafei Liu, and Gaolin Chen. Persistence of hybrid diagnosability of regular networks under testing diagnostic model. *The Computer Journal*, 64(9):1401–1411, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/123/5310129>.

- academic.oup.com/comjnl/article/64/9/1401/5872132.■
- Liang:2021:MSM**
- [LZG21a] Caixia Liang, Bo Zhou, and Haiyan Guo. Minimum status, matching and domination of graphs. *The Computer Journal*, 64(9):1384–1392, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1384/5848717>.■
- Lin:2021:LPK**
- [LZG+21b] Hao Lin, Zhen Zhao, Fei Gao, Willy Susilo, Qiaoyan Wen, Fuchun Guo, and Yijie Shi. Lightweight public key encryption with equality test supporting partial authorization in cloud storage. *The Computer Journal*, 64(8):1226–1238, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1226/6025507>.■
- Lian:2020:CDB**
- [LZH+20] Guanqin Lian, Shuming Zhou, Sun-Yuan Hsieh, Gaolin Chen, Jiafei Liu, and Zhendong Gu. Characterization of diagnosabilities on the bounded PMC model. *The Computer Journal*, 63(9):1397–1405, September 2020. CODEN
- Li:2020:ARC**
- [LZL20] Chunlin Li, YiHan Zhang, and Youlong Luo. Adaptive replica creation and selection strategies for latency-aware application in collaborative edge-cloud system. *The Computer Journal*, 63(9):1338–1354, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1338/5618850>.■
- Liu:2021:OMA**
- [LZL+21] Meiling Liu, Beixian Zhang, Xi Li, Weidong Tang, and GangQiang Zhang. An optimized k -means algorithm based on information entropy. *The Computer Journal*, 64(7):1130–1143, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1130/6291942>.■
- Li:2020:NTO**
- [LZM+20] Huizhong Li, Yongbin Zhou, Jingdian Ming, Guang Yang, and Chengbin Jin. The notion of transparency order, revisited. *The Com-*

- puter Journal*, 63(12):1915–1938, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1915/5866139>.
Li:2022:CTB
- [LZQL22] Chunlin Li, Yihan Zhang, Xiaomei Qu, and Youlong Luo. Cost- and time-based data deployment for improving scheduling efficiency in distributed clouds. *The Computer Journal*, 65(4):874–889, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/874/5911726>.
Liu:2022:NLN
- [LZX⁺22] Zeyi Liu, Weijuan Zhang, Ji Xiang, Daren Zha, and Lei Wang. NP-LFA: Non-profiled leakage fingerprint attacks against improved rotating S-box masking scheme. *The Computer Journal*, 65(6):1598–1610, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1598/6178973>.
Li:2020:RAB
- [LZY20] Juan Li, Yanmin Zhu, and Jiadi Yu. Redundancy-aware and budget-feasible incentive mechanism in crowd sensing. *The Computer Journal*, 63(1):66–79, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/66/5288327>.
Liu:2021:CGG
- [LZZZ21] Yufeng Liu, Xiaoqin Zeng, Kang Zhang, and Yang Zou. Coordinate graph grammar for the specification of spatial graphs. *The Computer Journal*, 64(5):749–761, May 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/5/749/5819257>.
Moghaddam:2020:NAS
- [MA20] AmirHossein Ebrahimi Moghaddam and Zahra Ahmadian. New automatic search method for truncated-differential characteristics application to Midori, SKINNY and CRAFT. *The Computer Journal*, 63(12):1813–1825, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1813/5855734>.
Meghanathan:2020:RAI
- [Meg20] Natarajan Meghanathan. Relative assortativity index: a quantitative metric to assess the impact of

- link prediction techniques on assortativity of complex networks. *The Computer Journal*, 63(9):1417–1437, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1417/5601486>. MG22
- [Mer20] Sergio L. S. Mergen. Unfair-DuelMerge: Merging with even fewer moves. *The Computer Journal*, 63(5):701–708, May 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/701/5381951>. Mergen:2020:UME
- [MFHhK21] Sabah Mohammed, Wai Chi Fang, Aboul Ella Hassanien, and Tai hoon Kim. Advanced data mining tools and methods for social computing. *The Computer Journal*, 64(3):281–285, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/281/6212710>. Mohammed:2021:ADM MH20
- [MG21] Sudong Ma and Jie Guan. Improved key recovery attacks on simplified version of K2 stream cipher. *The Computer Journal*, 64(8):1253–1263, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1253/6042244>. Mutlu:2022:ESH
- Alev Mutlu and Furkan Goz. SkySlide: a hybrid method for landslide susceptibility assessment based on landslide-occurring data only. *The Computer Journal*, 65(3):473–483, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/473/5874134>. Ma:2020:NFI
- Sha Ma and Qiong Huang. A new framework of IND-CCA secure public key encryption with keyword search. *The Computer Journal*, 63(12):1849–1858, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1849/5854458>. Ma:2021:CAF
- Sha Ma and Qiong Huang. CCA-almost-full anonymous group signature with verifier local revocation in the standard model. *The Computer Journal*, 64(8):1239–1252, August

2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1239/6029314>.

Mahdavi-Hezavehi:2020:EFT

[MHAR20] S. Mahdavi-Hezavehi, Y. Alimardani, and R. Rahmani. An efficient framework for a third party auditor in cloud computing environments. *The Computer Journal*, 63(9):1285–1297, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1285/5488731>.

Manshouri:2020:CAV

[MK20] Negin Manshouri and Temel Kayikcioglu. A comprehensive analysis of 2D&3D video watching of EEG signals by increasing PLSR and SVM classification results. *The Computer Journal*, 63(3):425–434, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/425/5485565>.

Mohagheghi:2020:PMA

[MKI20] Mohammadsadegh Mohagheghi, Jaber Karimpour, and Ayaz Isazadeh. Prioritizing methods to accelerate probabilistic model checking of

discrete-time Markov models. *The Computer Journal*, 63(1):105–122, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/105/5307039>.

Masood:2022:SAI

[MKS⁺22] Khalid Masood, Muhammad Adnan Khan, Usman Saeed, Mohammed A Al Ghamdi, Muhammad Asif, and Muhammad Arfan. Semantic analysis to identify students’ feedback. *The Computer Journal*, 65(4):918–925, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/918/5921713>.

Ma:2020:SAR

[ML20] Xuecheng Ma and Dongdai Lin. Server-aided revocable IBE with identity reuse. *The Computer Journal*, 63(4):620–632, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/620/5625927>.

Maisuria:2020:BBS

Jemish V. Maisuria and Saurabh N. Mehta. Bayesian-based spectrum sensing and optimal channel estimation for MAC layer proto-

- col in cognitive radio sensor networks. *The Computer Journal*, 63(6):942–957, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/942/5739949>. ■
- [MM21] Safikureshi Mondal and Nandini Mukherjee. Pruning of health data in mobile-assisted remote healthcare service delivery. *The Computer Journal*, 64(10):1549–1564, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1549/6308678>. ■
- [MMK22] Negin Manshour, Mesut Melek, and Temel Kayıkcıoğlu. ■ [MPL21] Detection of 2D and 3D video transitions based on EEG power. *The Computer Journal*, 65(2):396–409, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/396/5902223>. ■
- [MMR22] U K Mishra, K Mahalingam, and R Rama. ■ [MS20] Watson–Crick jumping finite automata: Combination, comparison and closure. *The Computer Journal*, 65(5):1178–1188, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1178/6056295>. ■
- [MNN20] **Mondal:2021:PHD** ■ Wallace Manzano, Valdemar Vicente Graciano Neto, and Elisa Yumi Nakagawa. Dynamic-SoS: an approach for the simulation of systems-of-systems dynamic architectures. *The Computer Journal*, 63(5):709–731, May 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/709/5448912>. ■
- [Manshour:2022:DVT] ■ **Mo:2021:ELP** ■ Xian Mo, Jun Pang, and Zhiming Liu. Effective link prediction with topological and temporal information using wavelet neural network embedding. *The Computer Journal*, 64(3):325–336, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/325/5875044>. ■
- [Mishra:2022:WCJ] ■ **Mahalakshmi:2020:AFT** ■ T. Mahalakshmi and Alluri Sreenivas. Adaptive filter with type-2 fuzzy system

- and optimization-based kernel interpolation for satellite image denoising. *The Computer Journal*, 63(6):913–926, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/913/5739947>. ■
- [MSH22] Aqib Mumtaz, Allah Bux Sargano, and Zulfiqar Habib. Fast learning through deep multi-net CNN model for violence recognition in video surveillance. *The Computer Journal*, 65(3):457–472, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/457/5867750>. ■
- [MSZ⁺20] Zongjie Ma, Abdul Sattar, Jun Zhou, Qingliang Chen, and Kaile Su. Dropout with tabu strategy for regularizing deep neural networks. *The Computer Journal*, 63(7):1031–1038, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/1031/5541821>. ■
- [MW21] Fei Ma and Ping Wang. Determining exact solutions and optimization-based kernel interpolation for satellite image denoising. *The Computer Journal*, 64(9):1412–1424, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1412/5878416>. ■
- [MYB20] Amin Mahmoudi, Mohd Ridzwan Yaakub, and Azuraliza Abu Bakar. A new real-time link prediction method based on user community changes in online social networks. *The Computer Journal*, 63(3):448–459, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/448/5498232>. ■
- [NAD21] Samer Nofal, Katie Atkinson, and Paul E. Dunne. Computing grounded extensions of abstract argumentation frameworks. *The Computer Journal*, 64(1):54–63, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/1/54/5644190>. ■
- [Nar21] Hari T. S. Narayanan. Contact tracing solution for global community. *The*

- Computer Journal*, 64(10):1565–1574, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1565/6323600>.
- Narasimhulu:2022:NBW** [NCL22]
 [Nar22] C. Venkata Narasimhulu. A new blind watermark embedding model: Spiral updated rider optimization algorithm. *The Computer Journal*, 65(6):1365–1385, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1365/6124657>.
- Nancy:2021:TIB** [NGS22]
 [NB21] V. Nancy and G. Balakrishnan. Thermal image-based object classification for guiding the visually impaired. *The Computer Journal*, 64(11):1747–1759, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1747/5879254>.
- Neffati:2020:ESK** [NJ21]
 [NBTB20] Syrine Neffati, Khaoula Ben Abdellafou, Okba Taouali, and Kais Bouzrara. Enhanced SVM–KPCA method for brain MR image classification. *The Computer Journal*, 63(3):383–394, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/383/5480372>.
- Nouri:2022:GBC**
 Anass Nouri, Christophe Charrier, and Olivier Lézoray. A genetically based combination of visual saliency and roughness for FR 3D mesh quality assessment: a statistical study. *The Computer Journal*, 65(3):606–620, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/606/5893202>.
- Naveed:2022:EDD**
 Safia Naveed, Geetha G., and Leninisha S. Early diabetes discovery from tongue images. *The Computer Journal*, 65(2):237–250, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/237/5834386>.
- Nawaz:2021:DQA**
 Falak Nawaz and Naeem Khalid Janjua. Dynamic QoS-aware cloud service selection using best-worst method and timeslot weighted satisfaction scores. *The Com-*

- puter Journal*, 64(9):1326–1342, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1326/5850581>.
Ozcan:2021:PIP [OMG22]
- [OB21] Tayyip Ozcan and Alper Basturk. Performance improvement of pre-trained convolutional neural networks for action recognition. *The Computer Journal*, 64(11):1715–1730, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1715/5856117>.
ODwyer:2020:PSP
- [OCPM20] Karl J. O’Dwyer, Eoin Creedon, Mark Purcell, and David Malone. Power saving proxies for Web servers. *The Computer Journal*, 63(2):179–192, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/179/5614859>.
Oro:2022:WEP
- [OFMH22] David Oro, Carles Fernández, Xavier Martorell, and Javier Hernando. Work-efficient parallel non-maximum suppression kernels. *The Computer Journal*, 65(4):773–787, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/773/5894719>.
Osmani:2022:SCU
- Amjad Osmani, Jamshid Bagherzadeh, Mohasefi, and Farhad Soleimani Gharehchopogh. Sentiment classification using two effective optimization methods derived from the artificial bee colony optimization and imperialist competitive algorithm. *The Computer Journal*, 65(1):18–66, January 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/1/18/5743591>.
Periola:2020:ASD
- A. A. Periola, A. A. Alonge, and K. A. Ogudo. Architecture and system design for marine cloud computing assets. *The Computer Journal*, 63(6):927–941, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/927/5721769>.
Prasad:2022:PIP
- Shitala Prasad and Tingting Chai. Palmprint for individual’s personality behavior analysis. *The Com-*

puter Journal, 65(2):355–370, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/355/5860494>.

Payeras-Capella:2020:IEM

- [PCMPCA⁺20] M. Magdalena Payeras-Capella, Macia Mut-Puigserver, Pau Conejero-Alberola, Jordi Castella-Roca, and Llorenç Huguet-Rotger. Implementation and evaluation of the mCityPASS protocol for secure and private access to associated touristic services. *The Computer Journal*, 63(8):1168–1193, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1168/5670506>.

Phyo:2022:DCA

- [PDO22] Yati Phyo, Canh Minh Do, and Kazuhiro Ogata. A divide & conquer approach to leads-to model checking. *The Computer Journal*, 65(6):1353–1364, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1353/6125355>.

Pradhan:2022:MLM

- [PDRC22] Nitesh Pradhan, Vijaypal Singh Dhaka, Geeta

Rani, and Himanshu Chaudhary. Machine learning model for multi-view visualization of medical images. *The Computer Journal*, 65(4):805–817, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/805/5896997>.

Puri:2022:IHB

Arjun Puri and Manoj Kumar Gupta. Improved hybrid bag-boost ensemble with K -Means-SMOTE-ENN technique for handling noisy class imbalanced data. *The Computer Journal*, 65(1):124–138, January 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/1/124/6262253>.

Prasad:2022:PSP

Venkata Vara Prasad, Srinivas Gumparthi, Lokeswari Y Venkataramana, S Srinethe, and R M Sruthi Sree ... Prediction of stock prices using statistical and machine learning models: a comparative analysis. *The Computer Journal*, 65(5):1338–1351, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1338/6125355>.

- 1103, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1093/6299204>.
Pattanayak:2022:ACM
- [PMMS22] Debasish Pattanayak, Kaushik Mondal, Partha Sarathi Mandal, and Stefan Schmid. Area convergence of monocular robots with additional capabilities. *The Computer Journal*, 65(5):1306–1319, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1306/6125293>.
Pavithra:2020:ISP
- [PS20] L. K. Pavithra and T. Sree Sharmila. An improved seed point selection-based unsupervised color clustering for content-based image retrieval application. *The Computer Journal*, 63(3):337–350, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/337/5420616>.
Prasad:2022:SSC
- [PS22] M Krishna Siva Prasad and Poonam Sharma. Similarity of sentences with contradiction using semantic similarity measures. *The Computer Journal*, 65(3):701–717, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/701/5893603>.
Phu:2021:EAE
- Tran Nghi Phu, Nguyen Dai Tho, Le Huy Hoang, Nguyen Ngoc Toan, and Nguyen Ngoc Binh. An efficient algorithm to extract control flow-based features for IoT malware detection. *The Computer Journal*, 64(4):599–609, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/599/5940626>.
Philip:2022:CVA
- [PVFP22a] Felix M Philip, Jayakrishnan V, Ajesh F, and Haseena P. Corrigendum to: Video anomaly detection using the optimization-enabled deep convolutional neural network. *The Computer Journal*, 65(5):1352, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1352/6224791>. See [PVFP22b].
Philip:2022:VAD
- [PVFP22b] Felix M Philip, Jayakrishnan V, Ajesh F, and

- Haseena P. Video anomaly detection using the optimization-enabled deep convolutional neural network. *The Computer Journal*, 65(5):1272–1292, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1272/6090337>. See corrigendum [PVFP22a].
- [PXWL22] Tao Peng, Thomas Canhao Xu, Yihuai Wang, and Fanzhang Li. Deep belief network and closed polygonal line for lung segmentation in chest radiographs. *The Computer Journal*, 65(5):1107–1128, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1107/6029261>.
- [QAA⁺22] Qasem Qananwah, Ali Mohammad Alqudah, Moh'd Alodat, Ahmad Dagamseh, and Oliver Hayden. Detecting cognitive features of videos using EEG signal. *The Computer Journal*, 65(1):105–123, January 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/1/105/6077136>.
- [QDZZ20] Yi Qi, Yuze Dong, Zhongzhi Zhang, and Zhang Zhang. Hitting times for random walks on Sierpiński graphs and hierarchical graphs. *The Computer Journal*, 63(9):1385–1396, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1385/5612725>.
- [QGL⁺22] Wenfa Qi, Sirui Guo, Yuxin Liu, Xiang Wang, and Zongming Guo. Research on reversible visible watermarking algorithms based on vectorization compression method. *The Computer Journal*, 65(5):1320–1337, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1320/6120302>.
- [qLHG20] Hui qing Liu, Xiao lan Hu, and Shan Gao. The g -good-neighbor conditional diagnosability of locally exchanged twisted cubes. *The Computer Journal*, 63(1):80–90, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067

- (electronic). URL <http://academic.oup.com/comjnl/article/63/1/80/5288326>.
Qadeer:2020:VIO
- [QMR⁺20] Arslan Qadeer, Asad Waqar Malik, Anis Ur Rahman, Hamayun Mian Muhammad, and Arsalan Ahmad. Virtual infrastructure orchestration for cloud service deployment. *The Computer Journal*, 63(2):295–307, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/295/5631925>.
Qi:2021:RWN
- [QXZZ21] Yi Qi, Wanyue Xu, Liwang Zhu, and Zhongzhi Zhang. Real-world networks are not always fast mixing. *The Computer Journal*, 64(2):236–244, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/236/6032261>.
Qiao:2021:NPK
- [QYZ⁺21] Zirui Qiao, Qiliang Yang, Yanwei Zhou, Zhe Xia, and Mingwu Zhang. Novel public-key encryption with continuous leakage amplification. *The Computer Journal*, 64(8):1163–1177, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1163/5921729>.
Qiu:2021:IIN
- [QZTZ21] Liqing Qiu, Jianyi Zhang, Xiangbo Tian, and Shuang Zhang. Identifying influential nodes in complex networks based on neighborhood entropy centrality. *The Computer Journal*, 64(10):1465–1476, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1465/6284270>.
Raghu:2021:ROD
- A. Francis Alexander Raghu and J. P. Ananth. Robust object detection and localization using semantic segmentation network. *The Computer Journal*, 64(10):1531–1548, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1531/6295807>.
Raghu:2022:ODL
- A Francis Alexander Raghu and J P Ananth. Object detection and localization using sparse-FCM and optimization-driven deep convolutional neural network. *The Computer*

- Journal*, 65(5):1225–1241, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1225/6124655>.
Rezaeipanah:2022:BCD
- [RA22b] Amin Rezaeipanah and Gholamreza Ahmadi. Breast cancer diagnosis using multi-stage weight adjustment in the MLP neural network. *The Computer Journal*, 65(4):788–804, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/788/5894134>.
Rizkallah:2020:SLN
- [RAD20] Lydia W. Rizkallah, Mona F. Ahmed, and Nevin M. Darwish. SMT-LH: a new satisfiability modulo theory-based technique for solving vehicle routing problem with time window constraints. *The Computer Journal*, 63(1):91–104, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/91/5288325>.
Ratre:2020:SGD
- [Rat20] Avinash Ratre. Stochastic gradient descent–whale optimization algorithm-based deep convolutional neural network to crowd emotion understanding. *The Computer Journal*, 63(2):267–282, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/267/5627747>.
Raj:2020:ANF
- [RD20] Ajay Amrit Raj and Deje. Adaptive neuro-fuzzy inference system-based nonlinear equalizer for CO-OFDM systems. *The Computer Journal*, 63(2):169–178, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/169/5627775>.
Rafiee:2021:PSO
- [RK21] Mojtaba Rafiee and Shahram Khazaei. Private set operations over encrypted cloud dataset and applications. *The Computer Journal*, 64(8):1145–1162, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1145/5921321>.
Rizvi:2022:DEL
- [RKA⁺22] Syed Saqib Raza Rizvi, Muhammad Adnan Khan, Sagheer Abbas, Muhammad Asadullah, Nida An-

- wer, and Areej Fatima. Deep extreme learning machine-based optical character recognition system for Nastalique Urdu-like script languages. *The Computer Journal*, 65(2):331–344, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/331/5860094>. [RM22]
- Reyhan:2021:ITP**
- [RLIK21] Zahra Abdi Reyhan, Shahriar Lotfi, Ayaz Isazadeh, and Jaber Karimpour. Intratile parallelization for two-level perfectly nested loops with non-uniform dependencies. *The Computer Journal*, 64(9):1358–1383, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/9/1358/5846191>.
- Rezgui:2020:TSF**
- [RM20] Kalthoum Rezgui and Hédia Mhiri. Towards a semantic framework for lifelong integrated competency management and development. *The Computer Journal*, 63(7):1004–1016, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/1004/5543654>. [RS21]
- Rao:2022:CEM**
- Y Srinivasa Rao and R Madhu. Channel estimation for millimeter wave massive MIMO system: Proposed hybrid optimization with heuristic-enabled precoding and combining. *The Computer Journal*, 65(5):1211–1224, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1211/6090335>.
- Rosales-Morales:2020:INA**
- [RMSMAH+20] Viviana Yarel Rosales-Morales, Laura Nely Sánchez-Morales, Giner Alor-Hernández, Jorge Luis Garcia-Alcaraz, José Luis Sánchez-Cervantes, and Lisbeth Rodriguez-Mazahua. ImagIngDev: a new approach for developing automatic cross-platform mobile applications using image processing techniques. *The Computer Journal*, 63(5):732–757, May 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/732/5476716>.
- Roy:2021:MOC**
- Alak Roy and Nityananda Sarma. Multichannel ordered contention MAC protocol for underwater wireless sensor networks.

- The Computer Journal*, 64(2):185–194, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/185/5894897>.
Ren:2020:DCG [SAR⁺22]
- [RW20] Yunxia Ren and Shiyang Wang. Diagnosability of the Cayley graph generated by complete graph with missing edges under the MM—*—model. *The Computer Journal*, 63(9):1438–1447, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1438/5612728>.
Sohane:2022:KMF
- [SA22] Anurag Sohane and Ravinder Agarwal. Knee muscle force estimating model using machine learning approach. *The Computer Journal*, 65(5):1167–1177, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1167/6032301>.
Sarkar:2020:TSK
- [Sar20] Bikash Kanti Sarkar. A two-step knowledge extraction framework for improving disease diagnosis. *The Computer Journal*, 63(3):364–382, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/364/5476714>.
Sajid:2022:DLA
- Muhammad Sajid, Nouman Ali, Naeem Iqbal Ratyal, Muhammad Usman, Faisal Mehmood Butt, Imran Riaz, Usman Musaddiq, Mirza Jabbar Aziz Baig, Shahbaz Baig, and Umair Ahmad Salaria. Deep learning in age-invariant face recognition: a comparative study. *The Computer Journal*, 65(4):940–972, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/940/6023086>.
Soucha:2020:OTA
- [SB20] Michal Soucha and Kirill Bogdanov. Observation tree approach: Active learning relying on testing. *The Computer Journal*, 63(9):1298–1310, September 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1298/5525443>.
Saraswat:2022:ETC
- [SC22] Mala Saraswat and Shampa Chakraverty. Enriching

- topic coherence on reviews for cross-domain recommendation. *The Computer Journal*, 65(1):80–90, January 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/1/80/5827875>. ■
- [SCH⁺20] Iqbal H. Sarker, Alan Colman, Jun Han, A. S. M. Kayes, and Paul Waters. CalBehav: a machine learning-based personalized calendar behavioral model using time-series smartphone data. *The Computer Journal*, 63(7):1109–1123, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/1109/5610858>. ■
- [SD20] Bam Bahadur Sinha and R. Dhanalakshmi. Building a fuzzy logic-based artificial neural network to uplift recommendation accuracy. *The Computer Journal*, 63(11):1624–1632, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1624/5612726>. ■
- [SGGM21] S. Sasikala, S. Gomathi, V. Geetha, and L. Murali. A proposed framework for cloud-aware multimodal multimedia big data analysis toward optimal resource allocation. *The Computer Journal*, 64(6):880–894, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/880/6132478>. ■
- [Shaswat:2021:HBD] Kumar Shaswat. Hybrid-based deep belief network model for cement compressive strength prediction. *The Computer Journal*, 64(6):909–920, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/909/6134262>. ■
- [Shaswat:2021:PFC] S. Sasikala, S. Gomathi, V. Geetha, and L. Murali. A proposed framework for cloud-aware multimodal multimedia big data analysis toward optimal resource allocation. *The Computer Journal*, 64(6):880–894, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/880/6132478>. ■
- [Sinha:2020:BFL] Bam Bahadur Sinha and R. Dhanalakshmi. Building a fuzzy logic-based artificial neural network to uplift recommendation accuracy. *The Computer Journal*, 63(11):1624–1632, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1624/5612726>. ■
- [SHL22] Qiong Sun, Xiankai Huang, and Zheng Liu. Tourists’ digital footprint: Prediction method of tourism consumption decision preference. *The Computer Journal*, 65(6):1631–1638, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1631/6132478>. ■

- academic.oup.com/comjnl/■
article/65/6/1631/6513723.■
- [SII22] Zolfaghar Salmanian, Habib Izadkhah, and Ayaz Isazadeh. Auto-scale resource provisioning in IaaS clouds. *The Computer Journal*, 65(2):297–309, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/297/5836052>.■
- [SJ22] Zolfaghar Salmanian, Habib Izadkhah, and Ayaz Isazadeh. Auto-scale resource provisioning in IaaS clouds. *The Computer Journal*, 65(2):297–309, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/297/5836052>.■
- [SIT20] Bojie Shen, Saiful Islam, and David Taniar. Direction-based spatial skyline for retrieving arbitrary-shaped surrounding objects. *The Computer Journal*, 63(11):1668–1688, November 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1668/5625928>.■
- [SJL20] Shounak Sugave and Balaso Jagdale. Monarch-EWA: Monarch-earthworm-based secure routing protocol in IoT. *The Computer Journal*, 63(6):817–831, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/817/5645634>.■
- [SJHL21] Ji Sun Shin, Minjae Jo, Jung Yeon Hwang, and Jaehwan Lee. A verifier-based password-authenticated key exchange using tamper-proof hardware. *The Computer Journal*, 64(8):1293–1302, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1293/6064819>.■
- [SJM20] Na Su, Shujuan Ji, and Jimin Liu. Real-time topic detection with dynamic windows. *The Computer Journal*, 63(3):469–478, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/469/5510726>.■

- [SK22] Sreenithya Sumesh and Aneesh Krishna. Sensitivity analysis of conflicting goals in the i^* goal model. *The Computer Journal*, 65(6):1434–1460, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1434/6132358>. **Sumesh:2022:SAC**
- [SP20a] Oswalt Manoj S. and Ananth J. P. MapReduce and optimized deep network for rainfall prediction in agriculture. *The Computer Journal*, 63(6):900–912, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/900/5721350>. **S:2020:MOD**
- [SLC⁺20] Jianqiu Sun, Xingguang Li, Kang Chen, Wei Cui, and Ming Chu. A novel CMA + DD_LMS blind equalization algorithm for underwater acoustic communication. *The Computer Journal*, 63(6):974–981, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/974/5821573>. **Sun:2020:NCB**
- [SP20b] Lata Jaywant Sankpal and Suhas H. Patil. Rider-rank algorithm-based feature extraction for re-ranking the Webpages in the search engine. *The Computer Journal*, 63(10):1479–1489, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1479/5855737>. **Sankpal:2020:RRA**
- [SM21] Eminjan Sabir and Jixiang Meng. Structure fault tolerance of recursive interconnection networks. *The Computer Journal*, 64(1):64–75, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/1/64/5716153>. **Sabir:2021:SFT**
- [SR20] L. B. Shyamasundar and P. Jhansi Rani. A multiple-layer machine learning architecture for improved accuracy in sentiment analysis. *The Computer Journal*, 63(3):395–409, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/395/5480914>. **Shyamasundar:2020:MLM**

- [SRC20] **S:2020:TSP**
Thanga Revathi S., N. Ramaraj, and S. Chithra. Tracy–Singh product and genetic whale optimization algorithm for retrievable data perturbation for privacy preserved data publishing in cloud computing. *The Computer Journal*, 63(2):239–253, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/239/5618959>.
- [SRL20] **Salehi:2020:NDM**
Mohsen Salehi, Jafar Razmara, and Shahriar Lotfi. A novel data mining on breast cancer survivability using MLP ensemble learners. *The Computer Journal*, 63(3):435–447, March 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/3/435/5498230>.
- [SS20] **Srinivas:2020:OBS**
Vasamsetti Srinivas and Ch Santhirani. Optimization-based support vector neural network for speaker recognition. *The Computer Journal*, 63(1):151–167, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/151/5380618>.
- [SS22] **Sahil:2022:FAE**
Sahil and Sandeep Kumar Sood. Fog-assisted energy efficient cyber physical system for panic-based evacuation during disasters. *The Computer Journal*, 65(6):1540–1559, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1540/6249696>.
- [SSMS22] **Sood:2022:FCA**
Sandeep Kumar Sood, Vaishali Sood, Isha Mahajan, and Sahil. Fog–cloud assisted IoT-based hierarchical approach for controlling dengue infection. *The Computer Journal*, 65(1):67–79, January 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/1/67/5817593>.
- [SSS⁺22] **Shamim:2022:ADO**
Mohammed Zubair M. Shamim, Sadatullah Syed, Mohammad Shiblee, Mohammed Usman, Syed Jaffar Ali qnd Hany S. Hussein, and Mohammed Farag. Automated detection of oral pre-cancerous tongue lesions using deep learning for early diagnosis of oral

- cavity cancer. *The Computer Journal*, 65(1):91–104, January 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/1/91/5985297>.
Singh:2022:RBM
- [SV22] Ravindra Kumar Singh and Harsh Kumar Verma. Redis-based messaging queue and cache-enabled parallel processing social media analytics framework. *The Computer Journal*, 65(4):843–857, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/843/5956494>.
Shi:2020:MCH
- [SWJkL20] Wenjun Shi, Jigang Wu, Guiyuan Jiang, and Siew kei Lam. Multiple-choice hardware/software partitioning for tree task-graph on MPSoC. *The Computer Journal*, 63(5):688–700, May 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/5/688/5363890>.
Sun:2020:IFD
- [SZL⁺20] Xueli Sun, Shuming Zhou, Mengjie Lv, Jiafei Liu, and Guanqin Lian. Intermittent fault diagnosabil-
Sun:2022:ITP
- [SZL22] Xiaoying Sun, Chen Zhang, and Guohong Liu. Improved tactile perception of 3D geometric bumps using coupled electrovibration and mechanical vibration stimuli. *The Computer Journal*, 65(3):621–630, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/621/5880725>.
Su:2020:SOA
- [SZX20] Qianqian Su, Rui Zhang, and Rui Xue. Secure outsourcing algorithms for composite modular exponentiation based on single untrusted cloud. *The Computer Journal*, 63(8):1271, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1271/5823571>.
Takrouni:2021:SID
- [TBH21] Manel Takrouni, Rim Bouhouch, and Salem Hasnaoui. Simulink

- implementation of the data distribution service for vehicular controllers on top of GBE and AFDX. *The Computer Journal*, 64(6):860–879, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/64/6/860/6124919>.
Tang:2020:VHD
- [TCY+20] Zhenjun Tang, Lv Chen, Heng Yao, Xianquan Zhang, and Chunqiang Yu. Video hashing with DCT and NMF. *The Computer Journal*, 63(7):1017–1030, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/63/7/1017/5540176>.
Touati:2022:ATA
- [TEGB22] Imen Touati, Mariem Elouze, Marwa Graja, and Lamia Hadrich Belguith. Appraisal of two Arabic opinion summarization methods: Statistical versus machine learning. *The Computer Journal*, 65(2):192–202, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/65/2/192/5819213>.
Trabay:2022:TFU
- [TEHG22] Doaa Wagdy Trabay, Ibrahim El-Henawy, and Wajeb Gharibi. A trust framework utilization in cloud computing environment based on multi-criteria decision-making methods. *The Computer Journal*, 65(4):997–1005, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/65/4/997/6090334>.
Troudi:2021:MMD
- [TGZ+21] Abir Troudi, Leila Ghorbel, Corinne Amel Zayani, Salma Jamoussi, and Ikram Amous. MDER: Multi-dimensional event recommendation in social media context. *The Computer Journal*, 64(3):369–382, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/64/3/369/5934818>.
Thethi:2022:DFS
- Sukhmani K. Thethi and Ravi Kumar. Dynamic frequency scaling of a single-core processor using machine learning paradigms. *The Computer Journal*, 65(3):631–654, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/jnl/article/65/3/631/5880100>.

- [TLD⁺20] Tian:2020:NCL Yangguang Tian, Yingjiu Li, Robert H. Deng, Nan Li, Guomin Yang, and Zheng Yang. A new construction for linkable secret handshake. *The Computer Journal*, 63(4):536–548, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/536/5612724>.
- [TLMY21] Tian:2021:URS Yangguang Tian, Yingjiu Li, Yi Mu, and Guomin Yang. Unlinkable and revocable secret handshake. *The Computer Journal*, 64(8):1303–1314, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1303/6095852>.
- [TTPD21] Tripathy:2021:NAR A. K. Tripathy, S. K. Tripathy, S. R. Pattanaik, and S. K. Das. A new algorithm for reconstruction of a computer-generated hologram (CGH). *The Computer Journal*, 64(2):245–253, February 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/2/245/6029221>.
- [TYY⁺21] Tang:2021:RIH Zhenjun Tang, Mengzhu Yu, Heng Yao, Hanyun Zhang, Chunqiang Yu, and Xianquan Zhang. Robust image hashing with singular values of quaternion SVD. *The Computer Journal*, 64(11):1656–1671, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1656/5670505>.
- [VB21] Venkanna:2021:OTD Gugulothu Venkanna and K. F. Bharati. Optimal text document clustering enabled by weighed similarity oriented Jaya with grey wolf optimization algorithm. *The Computer Journal*, 64(6):960–972, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/960/6259660>.
- [VD20] Vanamoorthy:2020:CFT Muthumanikandan Vanamoorthy and Valliyammai Devedran. Congestion-Free Transient Plane (CFTP) using bandwidth sharing during link failures in SDN. *The Computer Journal*, 63(6):832–843, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/832/5612724>.

academic.oup.com/comjnl/
article/63/6/832/5627746.

Veluchamy:2021:DLA

- [VKM21] S. Veluchamy, L. R. Karlmarx, and K. Michael Mahesh. Detection and localization of abnormalities in surveillance video using TimeRider-based neural network. *The Computer Journal*, 64(12):1886–1906, December 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/12/1886/6178419>.

Vinolin:2021:HCR

- [VS21] V. Vinolin and M. Sucharitha. Hierarchical categorization and review of recent techniques on image forgery detection. *The Computer Journal*, 64(11):1692–1704, November 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/11/1692/5681102>.

Wang:2021:PCM

- [Wan21] Ming-Hung Wang. Positioning and categorizing mass media using reaction emojis on Facebook. *The Computer Journal*, 64(3):451–461, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/451/6050691>.

academic.oup.com/comjnl/
article/64/3/451/6050691.

Wani:2021:GAC

- [WBG21] Zahid Hussain Wani, Javaid Iqbal Bhat, and Kaiser Javeed Giri. A generic analogy-centered software cost estimation based on differential evolution exploration process. *The Computer Journal*, 64(3):462–472, March 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/462/6124918>.

Wang:2021:IFI

- [WCD21] Gaoli Wang, Zhenfu Cao, and Xiaolei Dong. Improved file-injection attacks on searchable encryption using finite set theory. *The Computer Journal*, 64(8):1264–1276, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1264/6048928>.

Wang:2021:ICK

- [WG21] Ai Wang and Xuedong Gao. Intelligent computing: Knowledge acquisition method based on the management scale transformation. *The Computer Journal*, 64(3):314–324, March 2021. CODEN CMPJA6. ISSN 0010-4620

- (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/3/314/5879955>. ■
- Wang:2022:SEB**
- [WGL⁺22] Huan Wang, Qing Gao, Hao Li, Hao Wang, and Liping Yan ... A structural evolution-based anomaly detection method for generalized evolving social networks. *The Computer Journal*, 65(5):1189–1199, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1189/6055137>. ■
- Wambura:2022:RAD**
- [WHL22] Stephen Wambura, Jianbin Huang, and He Li. Robust anomaly detection in feature-evolving time series. *The Computer Journal*, 65(5):1242–1256, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1242/6064823>. ■
- Wild:2022:CWC**
- [Wil22] Marcel Wild. Compression with wildcards: From CNFs to orthogonal DNFs by imposing the clauses one-by-one. *The Computer Journal*, 65(5):1073–1087, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1073/6012400>. ■
- Wang:2020:RIN**
- [WL20] Hao Wang and Kaiju Li. Resistance of IID noise in differentially private schemes for trajectory publishing. *The Computer Journal*, 63(4):549–566, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/549/5625061>. ■
- Wang:2020:GGA**
- [WLZ20] Xiao-Yu Wang, Yu-Feng Liu, and Kang Zhang. A graph grammar approach to the design and validation of floor plans. *The Computer Journal*, 63(1):137–150, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/137/5316176>. ■
- Wang:2022:CMB**
- [WQZ⁺22] Lei Wang, Qing Qian, Qiang Zhang, Jishuai Wang, Wenbo Cheng, and Wei Yan. Classification model on big data in medical diagnosis based on semi-supervised learning. *The Computer Journal*, 65(2):177–191, February 2022. CODEN CMPJA6. ISSN 0010-

- 4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/177/5808795>.
W:2022:SAR
- [WSA22] Thamba Meshach W, Hema-
 jothi S, and Mary Anita E
 A. Smart affect recognition
 system for real-time biomet-
 ric surveillance using hybrid
 features and multilayered
 binary structured support
 vector machine. *The Com-
 puter Journal*, 65(4):897–
 917, April 2022. CODEN
 CMPJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL <http://academic.oup.com/comjnl/article/65/4/897/5930867>.
Wang:2022:EIP
- [WSCL22] Qinglong Wang, Xiaoying
 Sun, Dekun Cao, and Guo-
 hong Liu. Enhanced interac-
 tive performance of zoom-
 in/out gestures using elec-
 trostatic tactile feedback on
 touchscreens. *The Com-
 puter Journal*, 65(2):261–
 274, February 2022. CO-
 DEN CMPJA6. ISSN 0010-
 4620 (print), 1460-2067
 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/261/5854799>.
Wang:2020:EUP
- [WtZLS20] Yan Wang, Jian tao Zhou,
 Xinyuan Li, and Xiaoyu
 Song. Effective user prefer-
 ence clustering in Web ser-
 vice applications. *The Com-
 puter Journal*, 63(11):1633–
 1643, November 2020. CO-
 DEN CMPJA6. ISSN 0010-
 4620 (print), 1460-2067
 (electronic). URL <http://academic.oup.com/comjnl/article/63/11/1633/5603743>.
Wang:2020:ICM
- [WWY20a] Chao-Chao Wang, Wan-
 Liang Wang, and Xin-Wei
 Yao. Interference and cov-
 erage modeling for indoor
 terahertz communications
 with beamforming anten-
 nas. *The Computer Jour-
 nal*, 63(10):1597–1606, Oc-
 tober 2020. CODEN CM-
 PJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL <http://academic.oup.com/comjnl/article/63/10/1597/5872130>.
Wang:2020:MBC
- [WWY+20b] Haijiang Wang, Jingpu
 Wang, Fuqi Yao, Yongqiang
 Ma, Lihong Li, and Qinke
 Yang. Multi-band con-
 tourlet transform for adap-
 tive remote sensing image
 denoising. *The Computer
 Journal*, 63(7):1084–1098,
 July 2020. CODEN CM-
 PJA6. ISSN 0010-4620
 (print), 1460-2067 (elec-
 tronic). URL <http://academic.oup.com/comjnl/article/63/7/1084/5573574>.
Wang:2020:TGN
- [WZ20] Shiyong Wang and Nan
 Zhao. The two-good-
 neighbor connectivity and

- diagnosability of the augmented three-ary n -cubes. *The Computer Journal*, 63(1):1–15, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/1/5239646>.
Wen:2021:GLS
- [WZC⁺21] Guoqiu Wen, Yonghua Zhu, Linjun Chen, Mengmeng Zhan, and Yangcai Xie. Global and local structure preservation for nonlinear high-dimensional spectral clustering. *The Computer Journal*, 64(7):993–1004, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/993/6275471>.
Wu:2020:GCT
- [WZG⁺20] Ge Wu, Zhen Zhao, Fuchun Guo, Willy Susilo, and Futai Zhang. On the general construction of tightly secure identity-based signature schemes. *The Computer Journal*, 63(12):1835–1848, December 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/12/1835/5808792>.
Wang:2022:MPP
- [WZQ⁺22] Lei Wang, Qiang Zhang, Qing Qian, Jishuai Wang, Yujun Pan, Renbing Yang, and Wenbo Cheng. Multispectral palm print and palm vein acquisition platform and recognition method based on convolutional neural network. *The Computer Journal*, 65(6):1461–1471, June 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/6/1461/6178420>.
Wang:2020:ZKV
- [WZXX20] Qiang Wang, Fucui Zhou, Jian Xu, and Zifeng Xu. A (zero-knowledge) vector commitment with sum binding and its applications. *The Computer Journal*, 63(4):633–647, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/633/5627774>.
Xu:2020:DRL
- [XCC20] Z. Xu, L. Cao, and X. Chen. Deep reinforcement learning with adaptive update target combination. *The Computer Journal*, 63(7):995–1003, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/995/5543068>.
Xu:2022:SRB
- [XDZ22] Dong Xu, Wei Dong, and

- Han Zhou. Sclera recognition based on efficient sclera segmentation and significant vessel matching. *The Computer Journal*, 65(2):371–381, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/371/5848604>.
Xu:2022:ACC
- [XG22] Liqiong Xu and Litao Guo. Analysis on the component connectivity of enhanced hypercubes. *The Computer Journal*, 65(4):890–896, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/890/5921320>.
Xue:2022:WSS
- [XXM⁺22] Luoyang Xue, Ang Xu, Qirong Mao, Lijian Gao, and Jie Chen. Weakly supervised sentiment-specific region discovery for VSA. *The Computer Journal*, 65(4):818–830, April 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/4/818/5900572>.
Yousefi-Azar:2020:BMR
- [YAHVC20] Mahmood Yousefi-Azar, Len Hamey, Vijay Varadharajan, and Shiping Chen. Byte2vec: Malware representation and feature selection for Android. *The Computer Journal*, 63(8):1125–1138, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1125/5618685>.
Yang:2020:SLC
- [YCL⁺20] Zhichao Yang, Rongmao Chen, Chao Li, Longjiang Qu, and Guomin Yang. On the security of LWE cryptosystem against subversion attacks. *The Computer Journal*, 63(4):495–507, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/495/5560305>.
Yang:2022:ABP
- [Y CZ⁺22] Yu Yang, Beifang Chen, Guoping Zhang, Yongming Li, Daoqiang Sun, and Hongbo Liu. Algorithms based on path contraction carrying weights for enumerating subtrees of tricyclic graphs. *The Computer Journal*, 65(3):554–572, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/554/5872830>.

Yan:2021:NMZ

- [YD21] Zhenbin Yan and Yi Deng. [YLW21] Non-malleable zero-knowledge arguments with lower round complexity. *The Computer Journal*, 64(4):534–549, April 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/534/5869147>.

Yang:2020:HIB

- [YDS⁺20] Zhichao Yang, Dung H. Duong, Willy Susilo, Guomin Yang, Chao Li, and Rongmao Chen. [YLZ20] Hierarchical identity-based signature in polynomial rings. *The Computer Journal*, 63(10):1490–1499, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1490/5826091>.

Yazdanjue:2020:EAK

- [YFA20] Navid Yazdanjue, Mohammad Fathian, and Babak Amiri. [YSH⁺22] Evolutionary algorithms for k -anonymity in social networks based on clustering approach. *The Computer Journal*, 63(7):1039–1062, July 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/7/1039/5550898>.

Yuan:2021:RBG

- Jun Yuan, Aixia Liu, and Xi Wang. The relationship between the g -extra connectivity and the g -extra diagnosability of networks under the MM* model. *The Computer Journal*, 64(6):921–928, June 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/6/921/6153485>.

Yu:2020:VBG

- Bin Yu, Xiaofeng Li, and He Zhao. Virtual block group: a scalable blockchain model with partial node storage and distributed hash table. *The Computer Journal*, 63(10):1524–1536, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1524/5828295>.

Yang:2022:EES

- Runze Yang, Jian Song, Baoqi Huang, Wuyungerile Li, and Guodong Qi. An energy-efficient step-counting algorithm for smartphones. *The Computer Journal*, 65(3):689–700, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/689/6611111>.

academic.oup.com/comjnl/■
 article/65/3/689/5880469.■

Yang:2020:PSC

[YWHY20]

Wenjie Yang, Jian Weng, Xinyi Huang, and Anjia Yang. A provably secure certificateless proxy signature scheme against malicious-but-passive KGC attacks. *The Computer Journal*, 63(8):1139–1147, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1139/5667454>.■

Yu:2021:ACL

[YWY21]

Jianxing Yu, Shiqi Wang, and Jian Yin. Adaptive cross-lingual question generation with minimal resources. *The Computer Journal*, 64(7):1056–1068, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/1056/6323599>.■

Yu:2020:RCE

[YYL+20]

Hui Yu, Jiejie Yang, Limei Lin, Yanze Huang, Jine Li, and Riqing Chen. $\{1, 2, 3\}$ -restricted connectivity of $|(n, k)|$ -enhanced hypercubes. *The Computer Journal*, 63(9):1355–1371, September 2020. CODEN CMPJA6. ISSN 0010-4620

(print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/9/1355/5614860>.■

Yuan:2021:SOS

[YYLX21]

Zhu Yuan, Xindong You, Xueqiang Lv, and Ping Xie. SS6: Online short-code RAID-6 scaling by optimizing new disk location and data migration. *The Computer Journal*, 64(10):1600–1616, October 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/10/1600/6372943>.■

Zarei:2020:TCM

Mani Zarei. Traffic-centric mesoscopic analysis of connectivity in VANETs. *The Computer Journal*, 63(2):203–219, February 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/2/203/5618855>.■

Zhao:2021:RAS

Shu-Li Zhao, Rong-Xia Hao, and Sheng-Lung Peng. Reliability assessment of some regular networks. *The Computer Journal*, 64(1):1–6, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://>

academic.oup.com/comjnl/
article/64/1/1/5611267.

Zhang:2022:CDH

[ZLC⁺22]

Shurong Zhang, Dongyue Liang, Lin Chen, Ronghua Li, and Weihua Yang. The component diagnosability of hypercubes with large-scale faulty nodes. *The Computer Journal*, 65(5):1129–1143, May 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/5/1129/6032262>.

Zhou:2020:PKR

[ZLD⁺20]

Haibo Zhou, Zheng Li, Xiaoyang Dong, Keting Jia, and Willi Meier. Practical key-recovery attacks on round-reduced Ketje Jr, Xoodoo-AE and Xoodyak. *The Computer Journal*, 63(8):1231–1246, August 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/8/1231/5709729>.

Zhang:2021:RDB

[ZM21]

Hong Zhang and Jixiang Meng. Reliability of DQcube based on g -extra conditional fault. *The Computer Journal*, 64(9):1393–1400, September 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067

(electronic). URL <http://academic.oup.com/comjnl/article/64/9/1393/5856207>.

Zheng:2020:SGT

[ZMWL20]

Lixiao Zheng, Shuai Ma, Yuanyang Wang, and Gang Lin. String generation for testing regular expressions. *The Computer Journal*, 63(1):41–65, January 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/1/41/5288328>.

Zhu:2021:PPM

Xiaofeng Zhu, Kim Han Thung, and Minjeong Kim. Privacy-preserving multimedia data analysis. *The Computer Journal*, 64(7):991–992, July 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/7/991/6356799>.

Zhao:2020:BBA

Zhen Zhao, Ge Wu, Fuchun Guo, Willy Susilo, Yi Mu, Baocang Wang, and Yupu Hu. Black-box accountable authority identity-based revocation system. *The Computer Journal*, 63(4):525–535, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/525/535>.

[ZWG⁺20]

- academic.oup.com/comjnl/article/63/4/525/5618849. ■
- Zhang:2022:STR**
- [ZWM22] Xinpeng Zhang, Jigang Wu, and Min Meng. Small target recognition using dynamic time warping and visual attention. *The Computer Journal*, 65(2):203–216, February 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/2/203/5860020>. ■
- Zhang:2021:TES**
- [ZY21] Hailong Zhang and Wei Yang. Theoretical estimation on the success rate of the asymptotic higher order optimal distinguisher. *The Computer Journal*, 64(8):1277–1292, August 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/8/1277/6062487>. ■
- Zhou:2020:CLR**
- [ZYW⁺20] Yanwei Zhou, Bo Yang, Tao Wang, Zhe Xia, and Hongxia Hou. Continuous leakage-resilient certificate-based encryption scheme without bilinear pairings. *The Computer Journal*, 63(4):508–524, April 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/4/508/5614856>. ■
- Zeng:2021:SHT**
- [ZZ21] Yibo Zeng and Zhongzhi Zhang. Spectra, hitting times and resistance distances of q -subdivision graphs. *The Computer Journal*, 64(1):76–92, January 2021. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/1/76/5670503>. ■
- Zhang:2022:IBC**
- [ZZC⁺22] Kai Zhang, Yuan Zhou, Zheng Chen, Yufei Liu, Zhuo Tang, Li Yin, and Jihong Chen. Incorporating biterm correlation knowledge into topic modeling for short texts. *The Computer Journal*, 65(3):537–553, March 2022. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/65/3/537/5868156>. ■
- Zhou:2021:IAR**
- [ZZD⁺21] Haibo Zhou, Rui Zong, Xiaoyang Dong, Keting Jia, and Willi Meier. Interpolation attacks on round-reduced Elephant, Kravatte and Xooff. *The Computer Journal*, 64(4):628–638, April 2021. CODEN

CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/64/4/628/5880072>.

Zhang:2020:WFM

[ZZJZ20] Jianhui Zhang, Tianhao Zhang, Feilong Jiang, and Bei Zhao. Who face me? Neighbor identification with LED camera communication. *The Computer Journal*, 63(10):1463–1478, October 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/10/1463/5821147>.

Zhao:2020:MRS

[ZZL20] Jumin Zhao, Liang Zhang, and Deng'ao Li. Multi-antenna receiver signal detection in AmBC based on cluster analysis. *The Computer Journal*, 63(6):844–856, June 2020. CODEN CMPJA6. ISSN 0010-4620 (print), 1460-2067 (electronic). URL <http://academic.oup.com/comjnl/article/63/6/844/5691261>.