

Hamid R Rabiee

List of Publications by Year in descending order

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177
papers

2,131
citations

361045

20
h-index

433756

31
g-index

185
all docs

185
docs citations

185
times ranked

2233
citing authors

#	ARTICLE	IF	CITATIONS
1	RC-RNN: reconfigurable cache Architecture for Storage Systems Using recurrent Neural networks. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1492-1506.	3.2	4
2	RA-GCN: Graph convolutional network for disease prediction problems with imbalanced data. Medical Image Analysis, 2022, 75, 102272.	7.0	31
3	Integrative analysis of mutated genes and mutational processes reveals novel mutational biomarkers in colorectal cancer. BMC Bioinformatics, 2022, 23, 138.	1.2	9
4	Improving Joint Sparse Hyperspectral Unmixing by Simultaneously Clustering Pixels According To Their Mixtures. , 2022, , .		1
5	MaxHiC: A robust background correction model to identify biologically relevant chromatin interactions in Hi-C and capture Hi-C experiments. PLoS Computational Biology, 2022, 18, e1010241.	1.5	7
6	Somatic point mutations are enriched in non-coding RNAs with possible regulatory function in breast cancer. Communications Biology, 2022, 5, .	2.0	5
7	Deep feature extraction of single-cell transcriptomes by generative adversarial network. Bioinformatics, 2021, 37, 1345-1351.	1.8	20
8	Deep Graph Generators: A Survey. IEEE Access, 2021, 9, 106675-106702.	2.6	20
9	Distributed Detection and Mitigation of Biasing Attacks Over Multi-Agent Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 3465-3477.	4.1	5
10	PFP-WGAN: Protein function prediction by discovering Gene Ontology term correlations with generative adversarial networks. PLoS ONE, 2021, 16, e0244430.	1.1	7
11	On statistical learning of simplices: Unmixing problem revisited. Annals of Statistics, 2021, 49, .	1.4	0
12	Whole-Genome Analysis of De Novo Somatic Point Mutations Reveals Novel Mutational Biomarkers in Pancreatic Cancer. Cancers, 2021, 13, 4376.	1.7	9
13	Atom specific multiple kernel dictionary based Sparse Representation Classifier for medium scale image classification. Journal of Visual Communication and Image Representation, 2021, 79, 103228.	1.7	2
14	ARAE: Adversarially robust training of autoencoders improves novelty detection. Neural Networks, 2021, 144, 726-736.	3.3	21
15	On the Observability and Controllability of Large-Scale IoT Networks: Reducing Number of Unmatched Nodes via Link Addition. , 2021, 5, 1747-1752.		11
16	Analysis Of Contractions In System Graphs: Application To State Estimation. , 2021, , .		2
17	Recurrent Poisson Factorization for Temporal Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 121-134.	4.0	19
18	Deep Private-Feature Extraction. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 54-66.	4.0	40

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19	Cyber-Social Systems: Modeling, Inference, and Optimal Design. IEEE Systems Journal, 2020, 14, 73-83.	2.9	28
20	ChOracle: A Unified Statistical Framework for Churn Prediction. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	3
21	Centrality-based epidemic control in complex social networks. Social Network Analysis and Mining, 2020, 10, 1.	1.9	23
22	A Hybrid Deep Learning Architecture for Privacy-Preserving Mobile Analytics. IEEE Internet of Things Journal, 2020, 7, 4505-4518.	5.5	105
23	CANCERSIGN: a user-friendly and robust tool for identification and classification of mutational signatures and patterns in cancer genomes. Scientific Reports, 2020, 10, 1286.	1.6	18
24	Reliable clustering of Bernoulli mixture models. Bernoulli, 2020, 26, .	0.7	1
25	Continuous-Time Relationship Prediction in Dynamic Heterogeneous Information Networks. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-31.	2.5	10
26	Deep Learning-Based Proarrhythmia Analysis Using Field Potentials Recorded From Human Pluripotent Stem Cells Derived Cardiomyocytes. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-9.	2.2	8
27	News labeling as early as possible. , 2019, , .		5
28	MGCN. , 2019, , .		24
29	Privacy Against Brute-Force Inference Attacks. , 2019, , .		6
30	A Submodular Feature-Aware Framework for Label Subset Selection in Extreme Classification Problems. , 2019, , .		6
31	Identifying central nodes for information flow in social networks using compressive sensing. Social Network Analysis and Mining, 2018, 8, 1.	1.9	16
32	Compressive sensing of high betweenness centrality nodes in networks. Physica A: Statistical Mechanics and Its Applications, 2018, 497, 166-184.	1.2	26
33	Community Detection Using Diffusion Information. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-22.	2.5	21
34	Structural Cost-Optimal Design of Sensor Networks for Distributed Estimation. IEEE Signal Processing Letters, 2018, 25, 793-797.	2.1	15
35	Continuous-Time User Modeling in Presence of Badges. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-30.	2.5	5
36	Private and Scalable Personal Data Analytics Using Hybrid Edge-to-Cloud Deep Learning. Computer, 2018, 51, 42-49.	1.2	34

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37	Observational Equivalence in System Estimation: Contractions in Complex Networks. IEEE Transactions on Network Science and Engineering, 2018, 5, 212-224.	4.1	13
38	Recurrent spatio-temporal modeling of check-ins in location-based social networks. PLoS ONE, 2018, 13, e0197683.	1.1	7
39	A push-pull network coding protocol for live peer-to-peer streaming. Computer Networks, 2018, 130, 145-155.	3.2	8
40	Kissing Cuisines. , 2017, , .		50
41	Sensor selection cost optimisation for tracking structurally cyclic systems: a P-order solution. International Journal of Systems Science, 2017, 48, 2440-2450.	3.7	2
42	Applications and Challenges of Wearable Visual Lifeloggers. Computer, 2017, 50, 60-69.	1.2	5
43	RedQueen. , 2017, , .		18
44	A Probabilistic Joint Sparse Regression Model for Semisupervised Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 592-596.	1.4	13
45	An adaptive cross-layer error control protocol for wireless multimedia sensor networks. Ad Hoc Networks, 2017, 56, 173-185.	3.4	23
46	Recurrent Poisson Factorization for Temporal Recommendation. , 2017, , .		18
47	Multi-Label learning in the independent label sub-spaces. Pattern Recognition Letters, 2017, 97, 8-12.	2.6	4
48	Distributed Estimation Recovery Under Sensor Failure. IEEE Signal Processing Letters, 2017, 24, 1532-1536.	2.1	25
49	A new algorithm for training sparse autoencoders. , 2017, , .		6
50	Joint effect of stalling and presentation quality on the quality-of-experience of streaming videos. , 2017, , .		3
51	HNP3: A Hierarchical Nonparametric Point Process for Modeling Content Diffusion over Social Media. , 2016, , .		5
52	MDL-CW: A Multimodal Deep Learning Framework with CrossWeights. , 2016, , .		20
53	Predicting anchor links between heterogeneous social networks. , 2016, , .		5
54	Inferring Dynamic Diffusion Networks in Online Media. ACM Transactions on Knowledge Discovery From Data, 2016, 10, 1-22.	2.5	10

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55	A Large-Scale Active Measurement Study on the Effectiveness of Piece-Attack on BitTorrent Networks. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 509-518.	3.7	5
56	A Low-Cost Sparse Recovery Framework for Weighted Networks under Compressive Sensing. , 2015, , .		8
57	CS-ComDet. , 2015, , .		13
58	Monocular 3D Human Pose Estimation with a Semi-supervised Graph-Based Method. , 2015, , .		2
59	Peer-to-Peer Compressive Sensing for Network Monitoring. IEEE Communications Letters, 2015, 19, 38-41.	2.5	6
60	From Local Similarities to Global Coding: A Framework for Coding Applications. IEEE Transactions on Image Processing, 2015, 24, 5074-5085.	6.0	4
61	A unified statistical framework for crowd labeling. Knowledge and Information Systems, 2015, 45, 271-294.	2.1	22
62	When Pixels Team up: Spatially Weighted Sparse Coding for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 107-111.	1.4	24
63	Spatial-Aware Dictionary Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 527-541.	2.7	115
64	Locality preserving discriminative dictionary learning. , 2014, , .		8
65	Collaborating frames: Temporally weighted sparse representation for visual tracking. , 2014, , .		0
66	Classifying a Stream of Infinite Concepts: A Bayesian Non-parametric Approach. Lecture Notes in Computer Science, 2014, , 1-16.	1.0	4
67	Enhancing precision of Markov-based recommenders using location information. , 2014, , .		4
68	WCCP: A congestion control protocol for wireless multimedia communication in sensor networks. Ad Hoc Networks, 2014, 13, 516-534.	3.4	47
69	Patchwise Joint Sparse Tracking With Occlusion Detection. IEEE Transactions on Image Processing, 2014, 23, 4496-4510.	6.0	13
70	Performance analysis of packet loss recovery policies in P2P video streaming. International Journal of Internet Protocol Technology, 2014, 8, 44.	0.2	0
71	Locality-Awareness in Multi-Channel Peer-to-Peer Live Video Streaming Networks. , 2013, , .		0
72	Fuzzy support vector machine: an efficient rule-based classification technique for microarrays. BMC Bioinformatics, 2013, 14, S4.	1.2	14

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73	Semi-spatiotemporal fMRI Brain Decoding. , 2013, , .		3
74	UCS-NT: An unbiased compressive sensing framework for Network Tomography. , 2013, , .		9
75	The Visual Object Tracking VOT2013 Challenge Results. , 2013, , .		154
76	A Measurement Framework for Directed Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 1007-1016.	9.7	10
77	From Local Similarity to Global Coding: An Application to Image Classification. , 2013, , .		26
78	Incorporating Betweenness Centrality in Compressive Sensing for congestion detection. , 2013, , .		0
79	Sampling from complex networks with high community structures. Chaos, 2012, 22, 023126.	1.0	17
80	Nonlinear Unsupervised Feature Learning: How Local Similarities Lead to Global Coding. , 2012, , .		1
81	PPM - A Hybrid Push-Pull Mesh-Based Peer-to-Peer Live Video Streaming Protocol. , 2012, , .		9
82	UDDP: A User Datagram Dispatcher Protocol for Wireless Multimedia Sensor Networks. , 2012, , .		4
83	Optimal Exposure detection function for digital and smart-phone camera applications. , 2012, , .		2
84	Sampling from Diffusion Networks. , 2012, , .		4
85	Diffusion-Aware Sampling and Estimation in Information Diffusion Networks. , 2012, , .		4
86	Graph based semi-supervised human pose estimation: When the output space comes to help. Pattern Recognition Letters, 2012, 33, 1529-1535.	2.6	2
87	Locality aware P2P overlay architecture for live video streaming. , 2012, , .		4
88	Signal Extrapolation for Image and Video Error Concealment Using Gaussian Processes With Adaptive Nonstationary Kernels. IEEE Signal Processing Letters, 2012, 19, 700-703.	2.1	3
89	Multi-directional spatial error concealment using adaptive edge thresholding. IEEE Transactions on Consumer Electronics, 2012, 58, 880-885.	3.0	21
90	Network Reconstruction under Compressive Sensing. , 2012, , .		1

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91	Error control for multimedia communications in wireless sensor networks: A comparative performance analysis. <i>Ad Hoc Networks</i> , 2012, 10, 1028-1042.	3.4	41
92	Supervised neighborhood graph construction for semi-supervised classification. <i>Pattern Recognition</i> , 2012, 45, 1363-1372.	5.1	51
93	A Bayesian Approach to the Data Description Problem. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2012, 26, 907-913.	3.6	1
94	Active Learning from Positive and Unlabeled Data. , 2011, , .		14
95	Efficient Iterative Semi-supervised Classification on Manifold. , 2011, , .		2
96	Face recognition across large pose variations via Boosted Tied Factor Analysis. , 2011, , .		3
97	RASIM: A Novel Rotation and Scale Invariant Matching of Local Image Interest Points. <i>IEEE Transactions on Image Processing</i> , 2011, 20, 3580-3591.	6.0	13
98	Characterizing Twitter with Respondent-Driven Sampling. , 2011, , .		14
99	Active one-class learning by kernel density estimation. , 2011, , .		7
100	Motion vector recovery with Gaussian Process Regression. , 2011, , .		2
101	Correction to 'Modeling Topological Characteristics of BitTorrent-Like Peer-to-Peer Networks' [Aug 11 896-898]. <i>IEEE Communications Letters</i> , 2011, 15, 1263-1263.	2.5	0
102	Reliability of separation of duty in ANSI standard role-based access control. <i>Scientia Iranica</i> , 2011, 18, 1416-1424.	0.3	2
103	Modeling Topological Characteristics of BitTorrent-Like Peer-to-Peer Networks. <i>IEEE Communications Letters</i> , 2011, 15, 896-898.	2.5	7
104	HMM based semi-supervised learning for activity recognition. , 2011, , .		6
105	DNE: A Method for Extracting Cascaded Diffusion Networks from Social Networks. , 2011, , .		12
106	Isograph: Neighbourhood Graph Construction Based on Geodesic Distance for Semi-supervised Learning. , 2011, , .		6
107	Manifold Coarse Graining for Online Semi-supervised Learning. <i>Lecture Notes in Computer Science</i> , 2011, , 391-406.	1.0	6
108	A Contourlet-Based Image Watermarking Scheme with High Resistance to Removal and Geometrical Attacks. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010, 2010, .	1.0	16

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109	Multimedia Multicast Based on Multiterminal Source Coding. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1639-1649.	0.2	0
110	A novel rotation/scale invariant template matching algorithm using weighted adaptive lifting scheme transform. Pattern Recognition, 2010, 43, 2485-2496.	5.1	28
111	A fair optimization scheduling scheme for IEEE 802.16 networks in multimedia applications. Journal of Visual Communication and Image Representation, 2010, 21, 167-174.	1.7	3
112	Motif structure and cooperation in real-world complex networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5521-5529.	1.2	10
113	Rate-distortion optimization of scalable video codecs. Signal Processing: Image Communication, 2010, 25, 276-286.	1.8	8
114	An asynchronous Dynamic Bayesian Network for activity recognition in an Ambient Intelligent environment. , 2010, , .		7
115	User Adaptive Clustering for Large Image Databases. , 2010, , .		2
116	Code design for IMTSC/CEO problem using multilevel Slepian-Wolf coded quantization framework. , 2010, , .		0
117	A Fuzzy ELECTRE Approach for Evaluating Mobile Payment Business Models. , 2010, , .		14
118	Performance Analysis of Selected Error Control Protocols in Wireless Multimedia Sensor Networks. , 2010, , .		3
119	Joint Reliable and Power-Efficient CDS-Based Topology Control for Wireless Multi-hop Networks. Communications in Computer and Information Science, 2010, , 327-337.	0.4	0
120	A new approach for distributed image coding in wireless sensor networks. , 2010, , .		1
121	A Gaussian Process Regression Framework for Spatial Error Concealment with Adaptive Kernels. , 2010, , .		5
122	LayeredCast - a hybrid Peer-to-Peer live layered video streaming protocol. , 2010, , .		5
123	A Survey of System Platforms for Mobile Payment. , 2010, , .		8
124	LiveCod: A mesh-pull P2P live streaming system with XOR-based Network Coding. , 2010, , .		0
125	Reducing the data transmission in Wireless Sensor Networks using the Principal Component Analysis. , 2010, , .		40
126	On the effect of random network coding in GIA-based P2P live video streaming systems. , 2010, , .		0

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127	Fuzzy Mobility Analyzer: A Framework for Evaluating Mobility Models in Mobile Ad-Hoc Networks. , 2010, , .		3
128	Mobility Analyzer: A Framework for Analysis and Recognition of Mobility Traces in Mobile Ad-Hoc Networks. , 2009, , .		1
129	An Efficient Algorithm for Overlay Multicast Routing in Videoconferencing Applications. , 2009, , .		3
130	Face virtual pose generation using aligned locally linear regression for face recognition. , 2009, , .		1
131	Mobility Aware Distributed Topology Control in Mobile Ad-Hoc Networks Using Mobility Pattern Matching. , 2009, , .		3
132	An empirical centre assignment in RBF network for quantification of anaesthesia using wavelet-domain features. , 2009, , .		2
133	A new robust non-blind digital watermarking scheme in contourlet domain. , 2009, , .		5
134	On Enhancing Synchronization Properties of Dynamical Networks Using Node and Edge Centrality Measures. , 2009, , .		1
135	A novel OCR system for calculating handwritten persian arithmetic expressions. , 2009, , .		1
136	A Novel OCR System for Calculating Handwritten Persian Arithmetic Expressions. , 2009, , .		1
137	An optimal discrete rate allocation for overlay video multicasting. Computer Communications, 2008, 31, 551-562.	3.1	38
138	Packet loss in peer-to-peer video streaming over the Internet. Multimedia Systems, 2008, 13, 345-361.	3.0	15
139	Wavelet domain binary partition trees for image segmentation. , 2008, , .		3
140	Face virtual pose generation using multi resolution subspaces. , 2008, , .		0
141	An Overlay Multicast Protocol for Multimedia Applications in Mobile Ad Hoc Networks. , 2008, , .		0
142	Performance enhancement of H.264 codec by layered coding. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
143	An Optimization Based Uplink Scheduler for IEEE 802.16 Networks. , 2008, , .		0
144	A Joint Source-Channel Rate-Distortion Optimization Algorithm for H.264 Codec in Wireless Networks. Communications in Computer and Information Science, 2008, , 946-950.	0.4	1

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145	Inferring a Bayesian Network for Content-Based Image Classification. Communications in Computer and Information Science, 2008, , 211-218.	0.4	1
146	Crowded scene object tracking in presence of Gaussian White noise using undecimated wavelet features. , 2007, , .		4
147	Wavelet domain binary partition trees for semantic object extraction. Electronics Letters, 2007, 43, 1189.	0.5	5
148	Dimensional Characterization of Anesthesia Dynamic in Reconstructed Embedding Space. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6484-7.	0.5	1
149	Secure consensus averaging for secure information fusion in sensor networks. , 2007, , .		1
150	Secure consensus averaging in sensor networks using random offsets. , 2007, , .		41
151	Packet Loss Recovery Schemes for Peer-to-Peer Video Streaming. , 2007, , .		7
152	Mobility pattern recognition in mobile ad-hoc networks. , 2007, , .		6
153	Object Tracking in Crowded Video Scenes Based on the Undecimated Wavelet Features and Texture Analysis. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.0	14
154	Model Based Adaptive Mobility Prediction in Mobile Ad-Hoc Networks. , 2007, , .		11
155	Reversible Date Hiding Using Histogram Sorting and Integer Wavelet Transform. , 2007, , .		6
156	MobiSim: A Framework for Simulation of Mobility Models in Mobile Ad-Hoc Networks. , 2007, , .		64
157	On Secure Consensus Information Fusion over Sensor Networks. , 2007, , .		5
158	Occlusion Handling for Object Tracking in Crowded Video Scenes Based on the Undecimated Wavelet Features. , 2007, , .		7
159	Mobility Aware Distributed Topology Control in Mobile Ad-Hoc Networks with Model Based Adaptive Mobility Prediction. , 2007, , .		10
160	Optimal fractal-scaling analysis of human EEG dynamic for depth of anesthesia quantification. Journal of the Franklin Institute, 2007, 344, 212-229.	1.9	48
161	Adaptive Consensus Averaging for Information Fusion over Sensor Networks. , 2006, , .		25
162	Improving the Security of the Shi Reversible Data Hiding Algorithm. , 2006, , .		0

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163	Object Detection Based on Weighted Adaptive Prediction in Lifting Scheme Transform. , 2006, , .		2
164	Power-law correlation in human EEG at various anaesthesia depths. , 2006, , 46.		0
165	Misbehavior resilient multi-path data transmission in mobile ad-hoc networks. , 2006, , .		25
166	A new scheme on recovery from failure in NICE overlay protocol. , 2006, , .		0
167	ADIAN: A Distributed Intelligent Ad-Hoc Network. Lecture Notes in Computer Science, 2006, , 27-39.	1.0	4
168	Adaptive Search Window for Object Tracking in the Crowds using Undecimated Wavelet Packet Features. , 2006, , .		2
169	Nonlinear Analysis of Anesthesia Dynamics by Fractal Scaling Exponent. , 2006, 2006, 6225-8.		3
170	Projection pursuit image compression with variable block size segmentation. IEEE Signal Processing Letters, 1997, 4, 117-120.	2.1	14
171	Low bit rate image compression with orthogonal projection pursuit neural networks. , 0, , .		1
172	A new online signature verification algorithm using variable length segmentation and hidden Markov models. , 0, , .		24
173	FMR watermarking: a new multi-resolution semi-fragile method for authentication applications. , 0, , .		0
174	A multi-dimensional packet classifier for NP-based firewalls. , 0, , .		4
175	DPOCS: A Dynamic Proxy Architecture for Video Streaming Based on Overlay Network. , 0, , .		2
176	A Rate-Efficient Peer-to-Peer Architecture for Video Multicasting over the Internet. , 0, , .		1
177	A New Image Texture Extraction Algorithm Based on Matching Pursuit Gabor Wavelets. , 0, , .		0