

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	The Visual Object Tracking VOT2013 Challenge Results. , 2013, , .		154
2	Spatial-Aware Dictionary Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 527-541.	2.7	115
3	A Hybrid Deep Learning Architecture for Privacy-Preserving Mobile Analytics. IEEE Internet of Things Journal, 2020, 7, 4505-4518.	5.5	105
4	MobiSim: A Framework for Simulation of Mobility Models in Mobile Ad-Hoc Networks. , 2007, , .		64
5	Supervised neighborhood graph construction for semi-supervised classification. Pattern Recognition, 2012, 45, 1363-1372.	5.1	51
6	Kissing Cuisines. , 2017, , .		50
7	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
8	WCCP: A congestion control protocol for wireless multimedia communication in sensor networks. Ad Hoc Networks, 2014, 13, 516-534.	3.4	47
9	Secure consensus averaging in sensor networks using random offsets. , 2007, , .		41
10	Error control for multimedia communications in wireless sensor networks: A comparative performance analysis. Ad Hoc Networks, 2012, 10, 1028-1042.	3.4	41
11	Reducing the data transmission in Wireless Sensor Networks using the Principal Component Analysis. , 2010, , .		40
12	Deep Private-Feature Extraction. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 54-66.	4.0	40
13	An optimal discrete rate allocation for overlay video multicasting. Computer Communications, 2008, 31, 551-562.	3.1	38
14	Private and Scalable Personal Data Analytics Using Hybrid Edge-to-Cloud Deep Learning. Computer, 2018, 51, 42-49.	1.2	34
15	RA-GCN: Graph convolutional network for disease prediction problems with imbalanced data. Medical Image Analysis, 2022, 75, 102272.	7.0	31
16	A novel rotation/scale invariant template matching algorithm using weighted adaptive lifting scheme transform. Pattern Recognition, 2010, 43, 2485-2496.	5.1	28
17	Cyber-Social Systems: Modeling, Inference, and Optimal Design. IEEE Systems Journal, 2020, 14, 73-83.	2.9	28
18	From Local Similarity to Global Coding: An Application to Image Classification. , 2013, , .		26

#	ARTICLE	IF	CITATIONS
19	Compressive sensing of high betweenness centrality nodes in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 497, 166-184.	1.2	26
20	Adaptive Consensus Averaging for Information Fusion over Sensor Networks. , 2006, , .		25
21	Misbehavior resilient multi-path data transmission in mobile ad-hoc networks. , 2006, , .		25
22	Distributed Estimation Recovery Under Sensor Failure. <i>IEEE Signal Processing Letters</i> , 2017, 24, 1532-1536.	2.1	25
23	A new online signature verification algorithm using variable length segmentation and hidden Markov models. , 0, , .		24
24	When Pixels Team up: Spatially Weighted Sparse Coding for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 107-111.	1.4	24
25	MGCN. , 2019, , .		24
26	An adaptive cross-layer error control protocol for wireless multimedia sensor networks. <i>Ad Hoc Networks</i> , 2017, 56, 173-185.	3.4	23
27	Centrality-based epidemic control in complex social networks. <i>Social Network Analysis and Mining</i> , 2020, 10, 1.	1.9	23
28	A unified statistical framework for crowd labeling. <i>Knowledge and Information Systems</i> , 2015, 45, 271-294.	2.1	22
29	Multi-directional spatial error concealment using adaptive edge thresholding. <i>IEEE Transactions on Consumer Electronics</i> , 2012, 58, 880-885.	3.0	21
30	Community Detection Using Diffusion Information. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2018, 12, 1-22.	2.5	21
31	ARAE: Adversarially robust training of autoencoders improves novelty detection. <i>Neural Networks</i> , 2021, 144, 726-736.	3.3	21
32	MDL-CW: A Multimodal Deep Learning Framework with CrossWeights. , 2016, , .		20
33	Deep feature extraction of single-cell transcriptomes by generative adversarial network. <i>Bioinformatics</i> , 2021, 37, 1345-1351.	1.8	20
34	Deep Graph Generators: A Survey. <i>IEEE Access</i> , 2021, 9, 106675-106702.	2.6	20
35	Recurrent Poisson Factorization for Temporal Recommendation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 121-134.	4.0	19
36	RedQueen. , 2017, , .		18

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37	Recurrent Poisson Factorization for Temporal Recommendation. , 2017, , .		18
38	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
39	Sampling from complex networks with high community structures. Chaos, 2012, 22, 023126.	1.0	17
40	A Contourlet-Based Image Watermarking Scheme with High Resistance to Removal and Geometrical Attacks. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	16
41	Identifying central nodes for information flow in social networks using compressive sensing. Social Network Analysis and Mining, 2018, 8, 1.	1.9	16
42	Packet loss in peer-to-peer video streaming over the Internet. Multimedia Systems, 2008, 13, 345-361.	3.0	15
43	Structural Cost-Optimal Design of Sensor Networks for Distributed Estimation. IEEE Signal Processing Letters, 2018, 25, 793-797.	2.1	15
44	Projection pursuit image compression with variable block size segmentation. IEEE Signal Processing Letters, 1997, 4, 117-120.	2.1	14
45	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
46	A Fuzzy ELECTRE Approach for Evaluating Mobile Payment Business Models. , 2010, , .		14
47	Active Learning from Positive and Unlabeled Data. , 2011, , .		14
48	Characterizing Twitter with Respondent-Driven Sampling. , 2011, , .		14
49	Fuzzy support vector machine: an efficient rule-based classification technique for microarrays. BMC Bioinformatics, 2013, 14, S4.	1.2	14
50	RASIM: A Novel Rotation and Scale Invariant Matching of Local Image Interest Points. IEEE Transactions on Image Processing, 2011, 20, 3580-3591.	6.0	13
51	Patchwise Joint Sparse Tracking With Occlusion Detection. IEEE Transactions on Image Processing, 2014, 23, 4496-4510.	6.0	13
52	CS-ComDet. , 2015, , .		13
53	A Probabilistic Joint Sparse Regression Model for Semisupervised Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 592-596.	1.4	13
54	Observational Equivalence in System Estimation: Contractions in Complex Networks. IEEE Transactions on Network Science and Engineering, 2018, 5, 212-224.	4.1	13

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55	DNE: A Method for Extracting Cascaded Diffusion Networks from Social Networks. , 2011, , .		12
56	Model Based Adaptive Mobility Prediction in Mobile Ad-Hoc Networks. , 2007, , .		11
57	On the Observability and Controllability of Large-Scale IoT Networks: Reducing Number of Unmatched Nodes via Link Addition. , 2021, 5, 1747-1752.		11
58	Mobility Aware Distributed Topology Control in Mobile Ad-Hoc Networks with Model Based Adaptive Mobility Prediction. , 2007, , .		10
59	Motif structure and cooperation in real-world complex networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5521-5529.	1.2	10
60	A Measurement Framework for Directed Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 1007-1016.	9.7	10
61	Inferring Dynamic Diffusion Networks in Online Media. ACM Transactions on Knowledge Discovery From Data, 2016, 10, 1-22.	2.5	10
62	Continuous-Time Relationship Prediction in Dynamic Heterogeneous Information Networks. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-31.	2.5	10
63	PPM - A Hybrid Push-Pull Mesh-Based Peer-to-Peer Live Video Streaming Protocol. , 2012, , .		9
64	UCS-NT: An unbiased compressive sensing framework for Network Tomography. , 2013, , .		9
65	Whole-Genome Analysis of De Novo Somatic Point Mutations Reveals Novel Mutational Biomarkers in Pancreatic Cancer. Cancers, 2021, 13, 4376.	1.7	9
66	Integrative analysis of mutated genes and mutational processes reveals novel mutational biomarkers in colorectal cancer. BMC Bioinformatics, 2022, 23, 138.	1.2	9
67	Rate-distortion optimization of scalable video codecs. Signal Processing: Image Communication, 2010, 25, 276-286.	1.8	8
68	A Survey of System Platforms for Mobile Payment. , 2010, , .		8
69	Locality preserving discriminative dictionary learning. , 2014, , .		8
70	A Low-Cost Sparse Recovery Framework for Weighted Networks under Compressive Sensing. , 2015, , .		8
71	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
72	A push-pull network coding protocol for live peer-to-peer streaming. Computer Networks, 2018, 130, 145-155.	3.2	8

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73	Packet Loss Recovery Schemes for Peer-to-Peer Video Streaming. , 2007, , .		7
74	Occlusion Handling for Object Tracking in Crowded Video Scenes Based on the Undecimated Wavelet Features. , 2007, , .		7
75	An asynchronous Dynamic Bayesian Network for activity recognition in an Ambient Intelligent environment. , 2010, , .		7
76	Active one-class learning by kernel density estimation. , 2011, , .		7
77	Modeling Topological Characteristics of BitTorrent-Like Peer-to-Peer Networks. IEEE Communications Letters, 2011, 15, 896-898.	2.5	7
78	Recurrent spatio-temporal modeling of check-ins in location-based social networks. PLoS ONE, 2018, 13, e0197683.	1.1	7
79	PFP-WGAN: Protein function prediction by discovering Gene Ontology term correlations with generative adversarial networks. PLoS ONE, 2021, 16, e0244430.	1.1	7
80	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
81	Mobility pattern recognition in mobile ad-hoc networks. , 2007, , .		6
82	Reversible Date Hiding Using Histogram Sorting and Integer Wavelet Transform. , 2007, , .		6
83	HMM based semi-supervised learning for activity recognition. , 2011, , .		6
84	Isograph: Neighbourhood Graph Construction Based on Geodesic Distance for Semi-supervised Learning. , 2011, , .		6
85	Peer-to-Peer Compressive Sensing for Network Monitoring. IEEE Communications Letters, 2015, 19, 38-41.	2.5	6
86	A new algorithm for training sparse autoencoders. , 2017, , .		6
87	Privacy Against Brute-Force Inference Attacks. , 2019, , .		6
88	Manifold Coarse Graining for Online Semi-supervised Learning. Lecture Notes in Computer Science, 2011, , 391-406.	1.0	6
89	A Submodular Feature-Aware Framework for Label Subset Selection in Extreme Classification Problems. , 2019, , .		6
90	Wavelet domain binary partition trees for semantic object extraction. Electronics Letters, 2007, 43, 1189.	0.5	5

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91	On Secure Consensus Information Fusion over Sensor Networks. , 2007, , .		5
92	A new robust non-blind digital watermarking scheme in contourlet domain. , 2009, , .		5
93	A Gaussian Process Regression Framework for Spatial Error Concealment with Adaptive Kernels. , 2010, , .		5
94	LayeredCast - a hybrid Peer-to-Peer live layered video streaming protocol. , 2010, , .		5
95	HNP3: A Hierarchical Nonparametric Point Process for Modeling Content Diffusion over Social Media. , 2016, , .		5
96	Predicting anchor links between heterogeneous social networks. , 2016, , .		5
97	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
98	Applications and Challenges of Wearable Visual Lifeloggers. Computer, 2017, 50, 60-69.	1.2	5
99	Continuous-Time User Modeling in Presence of Badges. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-30.	2.5	5
100	News labeling as early as possible. , 2019, , .		5
101	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
102	Somatic point mutations are enriched in non-coding RNAs with possible regulatory function in breast cancer. Communications Biology, 2022, 5, .	2.0	5
103	A multi-dimensional packet classifier for NP-based firewalls. , 0, , .		4
104	ADIAN: A Distributed Intelligent Ad-Hoc Network. Lecture Notes in Computer Science, 2006, , 27-39.	1.0	4
105	Crowded scene object tracking in presence of Gaussian White noise using undecimated wavelet features. , 2007, , .		4
106	UDDP: A User Datagram Dispatcher Protocol for Wireless Multimedia Sensor Networks. , 2012, , .		4
107	Sampling from Diffusion Networks. , 2012, , .		4
108	Diffusion-Aware Sampling and Estimation in Information Diffusion Networks. , 2012, , .		4

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109	Locality aware P2P overlay architecture for live video streaming. , 2012, , .		4
110	Classifying a Stream of Infinite Concepts: A Bayesian Non-parametric Approach. Lecture Notes in Computer Science, 2014, , 1-16.	1.0	4
111	Enhancing precision of Markov-based recommenders using location information. , 2014, , .		4
112	From Local Similarities to Global Coding: A Framework for Coding Applications. IEEE Transactions on Image Processing, 2015, 24, 5074-5085.	6.0	4
113	Multi-Label learning in the independent label sub-spaces. Pattern Recognition Letters, 2017, 97, 8-12.	2.6	4
114	RC-RNN: <u>R</u>econfigurable <u>C</u>ache Architecture for Storage Systems Using <u>R</u>ecurrent <u>N</u>eural <u>N</u>etworks. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1492-1506.	3.2	4
115	Nonlinear Analysis of Anesthesia Dynamics by Fractal Scaling Exponent. , 2006, 2006, 6225-8.		3
116	Wavelet domain binary partition trees for image segmentation. , 2008, , .		3
117	An Efficient Algorithm for Overlay Multicast Routing in Videoconferencing Applications. , 2009, , .		3
118	Mobility Aware Distributed Topology Control in Mobile Ad-Hoc Networks Using Mobility Pattern Matching. , 2009, , .		3
119	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
120	Performance Analysis of Selected Error Control Protocols in Wireless Multimedia Sensor Networks. , 2010, , .		3
121	Fuzzy Mobility Analyzer: A Framework for Evaluating Mobility Models in Mobile Ad-Hoc Networks. , 2010, , .		3
122	Face recognition across large pose variations via Boosted Tied Factor Analysis. , 2011, , .		3
123	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
124	Semi-spatiotemporal fMRI Brain Decoding. , 2013, , .		3
125	Joint effect of stalling and presentation quality on the quality-of-experience of streaming videos. , 2017, , .		3
126	ChOracle: A Unified Statistical Framework for Churn Prediction. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	3

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127	DPOCS: A Dynamic Proxy Architecture for Video Streaming Based on Overlay Network. , 0, , .		2
128	Object Detection Based on Weighted Adaptive Prediction in Lifting Scheme Transform. , 2006, , .		2
129	Adaptive Search Window for Object Tracking in the Crowds using Undecimated Wavelet Packet Features. , 2006, , .		2
130	An empirical centre assignment in RBF network for quantification of anaesthesia using wavelet-domain features. , 2009, , .		2
131	User Adaptive Clustering for Large Image Databases. , 2010, , .		2
132	Efficient Iterative Semi-supervised Classification on Manifold. , 2011, , .		2
133	Motion vector recovery with Gaussian Process Regression. , 2011, , .		2
134	Reliability of separation of duty in ANSI standard role-based access control. Scientia Iranica, 2011, 18, 1416-1424.	0.3	2
135	Optimal Exposure detection function for digital and smart-phone camera applications. , 2012, , .		2
136	Graph based semi-supervised human pose estimation: When the output space comes to help. Pattern Recognition Letters, 2012, 33, 1529-1535.	2.6	2
137	Monocular 3D Human Pose Estimation with a Semi-supervised Graph-Based Method. , 2015, , .		2
138	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
139	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
140	Analysis Of Contractions In System Graphs: Application To State Estimation. , 2021, , .		2
141	Low bit rate image compression with orthogonal projection pursuit neural networks. , 0, , .		1
142	A Rate-Efficient Peer-to-Peer Architecture for Video Multicasting over the Internet. , 0, , .		1
143	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
144	Secure consensus averaging for secure information fusion in sensor networks. , 2007, , .		1

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145	Mobility Analyzer: A Framework for Analysis and Recognition of Mobility Traces in Mobile Ad-Hoc Networks. , 2009, , .		1
146	Face virtual pose generation using aligned locally linear regression for face recognition. , 2009, , .		1
147	On Enhancing Synchronization Properties of Dynamical Networks Using Node and Edge Centrality Measures. , 2009, , .		1
148	A novel OCR system for calculating handwritten persian arithmetic expressions. , 2009, , .		1
149	A Novel OCR System for Calculating Handwritten Persian Arithmetic Expressions. , 2009, , .		1
150	A new approach for distributed image coding in wireless sensor networks. , 2010, , .		1
151	Nonlinear Unsupervised Feature Learning: How Local Similarities Lead to Global Coding. , 2012, , .		1
152	Network Reconstruction under Compressive Sensing. , 2012, , .		1
153	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
154	Inferring a Bayesian Network for Content-Based Image Classification. Communications in Computer and Information Science, 2008, , 211-218.	0.4	1
155	Reliable clustering of Bernoulli mixture models. Bernoulli, 2020, 26, .	0.7	1
156	Improving Joint Sparse Hyperspectral Unmixing by Simultaneously Clustering Pixels According To Their Mixtures. , 2022, , .		1
157	A Bayesian Approach to the Data Description Problem. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 907-913.	3.6	1
158	FMR watermarking: a new multi-resolution semi-fragile method for authentication applications. , 0, , .		0
159	A New Image Texture Extraction Algorithm Based on Matching Pursuit Gabor Wavelets. , 0, , .		0
160	Improving the Security of the Shi Reversible Data Hiding Algorithm. , 2006, , .		0
161	Power-law correlation in human EEG at various anaesthesia depths. , 2006, , 46.		0
162	A new scheme on recovery from failure in NICE overlay protocol. , 2006, , .		0

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163	Face virtual pose generation using multi resolution subspaces. , 2008, , .		0
164	An Overlay Multicast Protocol for Multimedia Applications in Mobile Ad Hoc Networks. , 2008, , .		0
165	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
166	An Optimization Based Uplink Scheduler for IEEE 802.16 Networks. , 2008, , .		0
167	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
168	Code design for IMTSC/CEO problem using multilevel Slepian-Wolf coded quantization framework. , 2010, , .		0
169	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
170	LiveCod: A mesh-pull P2P live streaming system with XOR-based Network Coding. , 2010, , .		0
171	On the effect of random network coding in GIA-based P2P live video streaming systems. , 2010, , .		0
172	Correction to 'Modeling Topological Characteristics of BitTorrent-Like Peer-to-Peer Networks' [Aug 11 896-898]. IEEE Communications Letters, 2011, 15, 1263-1263.	2.5	0
173	Locality-Awareness in Multi-Channel Peer-to-Peer Live Video Streaming Networks. , 2013, , .		0
174	Incorporating Betweenness Centrality in Compressive Sensing for congestion detection. , 2013, , .		0
175	Collaborating frames: Temporally weighted sparse representation for visual tracking. , 2014, , .		0
176	Performance analysis of packet loss recovery policies in P2P video streaming. International Journal of Internet Protocol Technology, 2014, 8, 44.	0.2	0
177	On statistical learning of simplices: Unmixing problem revisited. Annals of Statistics, 2021, 49, .	1.4	0