

Hamid Beigy

List of Publications by Year in descending order

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112
papers

1,831
citations

279487

23
h-index

329751

37
g-index

114
all docs

114
docs citations

114
times ranked

1049
citing authors

#	ARTICLE	IF	CITATIONS
1	A MATHEMATICAL FRAMEWORK FOR CELLULAR LEARNING AUTOMATA. International Journal of Modeling, Simulation, and Scientific Computing, 2004, 07, 295-319.	0.9	121
2	UTILIZING DISTRIBUTED LEARNING AUTOMATA TO SOLVE STOCHASTIC SHORTEST PATH PROBLEMS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2006, 14, 591-615.	0.9	88
3	Sentiment analysis on stock social media for stock price movement prediction. Engineering Applications of Artificial Intelligence, 2019, 85, 569-578.	4.3	80
4	Cellular Learning Automata With Multiple Learning Automata in Each Cell and Its Applications. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 54-65.	5.5	75
5	On dynamicity of expert finding in community question answering. Information Processing and Management, 2017, 53, 1026-1042.	5.4	75
6	Density peaks clustering based on density backbone and fuzzy neighborhood. Pattern Recognition, 2020, 107, 107449.	5.1	67
7	An ensemble of cluster-based classifiers for semi-supervised classification of non-stationary data streams. Knowledge and Information Systems, 2016, 46, 567-597.	2.1	58
8	Asynchronous cellular learning automata. Automatica, 2008, 44, 1350-1357.	3.0	55
9	NEW LEARNING AUTOMATA BASED ALGORITHMS FOR ADAPTATION OF BACKPROPAGATION ALGORITHM PARAMETERS. International Journal of Neural Systems, 2002, 12, 45-67.	3.2	49
10	A new continuous action-set learning automaton for function optimization. Journal of the Franklin Institute, 2006, 343, 27-47.	1.9	46
11	Improved K2 algorithm for Bayesian network structure learning. Engineering Applications of Artificial Intelligence, 2020, 91, 103617.	4.3	44
12	OPEN SYNCHRONOUS CELLULAR LEARNING AUTOMATA. International Journal of Modeling, Simulation, and Scientific Computing, 2007, 10, 527-556.	0.9	39
13	A learning automata-based algorithm for determination of the number of hidden units for three-layer neural networks. International Journal of Systems Science, 2009, 40, 101-118.	3.7	36
14	A note on learning automata-based schemes for adaptation of BP parameters. Neurocomputing, 2002, 48, 957-974.	3.5	35
15	A Self-Organizing Channel Assignment Algorithm: A Cellular Learning Automata Approach. Lecture Notes in Computer Science, 2003, , 119-126.	1.0	32
16	New Drift Detection Method for Data Streams. Lecture Notes in Computer Science, 2011, , 88-97.	1.0	30
17	Active constrained fuzzy clustering: A multiple kernels learning approach. Pattern Recognition, 2015, 48, 953-967.	5.1	30
18	Expertise Finding in Bibliographic Network: Topic Dominance Learning Approach. IEEE Transactions on Cybernetics, 2014, 44, 2646-2657.	6.2	29

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19	Associative cellular learning automata and its applications. Applied Soft Computing Journal, 2017, 53, 1-18.	4.1	28
20	Using a classifier pool in accuracy based tracking of recurring concepts in data stream classification. Evolving Systems, 2013, 4, 43-60.	2.4	26
21	CELLULAR LEARNING AUTOMATA BASED DYNAMIC CHANNEL ASSIGNMENT ALGORITHMS. International Journal of Computational Intelligence and Applications, 2009, 08, 287-314.	0.6	25
22	Market_based grid resource allocation using new negotiation model. Journal of Network and Computer Applications, 2013, 36, 543-565.	5.8	24
23	A new real-coded Bayesian optimization algorithm based on a team of learning automata for continuous optimization. Genetic Programming and Evolvable Machines, 2014, 15, 169-193.	1.5	24
24	Expertise retrieval in bibliographic network. , 2013, , .		23
25	Detection of evolving concepts in non-stationary data streams: A multiple kernel learning approach. Expert Systems With Applications, 2018, 91, 187-197.	4.4	23
26	Novel class detection in data streams using local patterns and neighborhood graph. Neurocomputing, 2015, 158, 234-245.	3.5	22
27	A general call admission policy for next generation wireless networks. Computer Communications, 2005, 28, 1798-1813.	3.1	21
28	Negotiation strategies considering market, time and behavior functions for resource allocation in computational grid. Journal of Supercomputing, 2013, 66, 1350-1389.	2.4	20
29	Expert group formation using facility location analysis. Information Processing and Management, 2014, 50, 361-383.	5.4	20
30	An adaptive call admission algorithm for cellular networks. Computers and Electrical Engineering, 2005, 31, 132-151.	3.0	19
31	Active selection of clustering constraints: a sequential approach. Pattern Recognition, 2014, 47, 1443-1458.	5.1	19
32	A cooperative learning method based on cellular learning automata and its application in optimization problems. Journal of Computational Science, 2015, 11, 279-288.	1.5	19
33	A new fuzzy negotiation protocol for grid resource allocation. Journal of Network and Computer Applications, 2014, 37, 89-126.	5.8	18
34	Integration of scientific and social networks. World Wide Web, 2014, 17, 1051-1079.	2.7	18
35	Learning automata based dynamic guard channel algorithms. Computers and Electrical Engineering, 2011, 37, 601-613.	3.0	17
36	BACKPROPAGATION ALGORITHM ADAPTATION PARAMETERS USING LEARNING AUTOMATA. International Journal of Neural Systems, 2001, 11, 219-228.	3.2	16

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37	A novel graphical approach to automatic abstraction in reinforcement learning. Robotics and Autonomous Systems, 2013, 61, 821-835.	3.0	16
38	A localization algorithm for large scale mobile wireless sensor networks: a learning approach. Journal of Supercomputing, 2014, 69, 98-120.	2.4	16
39	Quantitative EEG features selection in the classification of attention and response control in the children and adolescents with attention deficit hyperactivity disorder. Future Science OA, 2018, 4, FSO292.	0.9	15
40	Automatic Discovery of Subgoals in Reinforcement Learning Using Strongly Connected Components. Lecture Notes in Computer Science, 2009, , 829-834.	1.0	15
41	Adaptation of parameters of BP algorithm using learning automata. , 0, , .		14
42	Semi-supervised Ensemble Learning of Data Streams in the Presence of Concept Drift. Lecture Notes in Computer Science, 2012, , 526-537.	1.0	14
43	A novel concept drift detection method in data streams using ensemble classifiers. Intelligent Data Analysis, 2016, 20, 1329-1350.	0.4	14
44	A distributed density estimation algorithm and its application to naive Bayes classification. Applied Soft Computing Journal, 2021, 98, 106837.	4.1	14
45	Hybrid multi-document summarization using pre-trained language models. Expert Systems With Applications, 2022, 192, 116292.	4.4	14
46	Genetic Ink Drop Spread. , 2008, , .		13
47	ADAPTIVE LIMITED FRACTIONAL GUARD CHANNEL ALGORITHMS: A LEARNING AUTOMATA APPROACH. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2009, 17, 881-913.	0.9	13
48	Pool and Accuracy Based Stream Classification: A New Ensemble Algorithm on Data Stream Classification Using Recurring Concepts Detection. , 2011, , .		12
49	A new method of mining data streams using harmony search. Journal of Intelligent Information Systems, 2012, 39, 491-511.	2.8	12
50	New Management Operations on Classifiers Pool to Track Recurring Concepts. Lecture Notes in Computer Science, 2012, , 327-339.	1.0	12
51	Concept-evolution detection in non-stationary data streams: a fuzzy clustering approach. Knowledge and Information Systems, 2019, 60, 1329-1352.	2.1	12
52	The Shapley value for a fair division of group discounts for coordinating cooling loads. PLoS ONE, 2020, 15, e0227049.	1.1	11
53	A Learning Automata Based Dynamic Guard Channel Scheme. Lecture Notes in Computer Science, 2002, , 643-650.	1.0	10
54	Attention-based skill translation models for expert finding. Expert Systems With Applications, 2022, 193, 116433.	4.4	10

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55	A NEW ENSEMBLE METHOD FOR FEATURE RANKING IN TEXT MINING. International Journal on Artificial Intelligence Tools, 2013, 22, 1350010.	0.7	9
56	A learning automata-based adaptive uniform fractional guard channel algorithm. Journal of Supercomputing, 2015, 71, 871-893.	2.4	9
57	Call Admission Control in Cellular Mobile Networks: A Learning Automata Approach. Lecture Notes in Computer Science, 2002, , 450-457.	1.0	9
58	Spam Detection Using Dynamic Weighted Voting Based on Clustering. , 2008, , .		8
59	A new distributed uplink packet scheduling algorithm in WiMAX networks. , 2010, , .		8
60	Using Strongly Connected Components as a Basis for Autonomous Skill Acquisition in Reinforcement Learning. Lecture Notes in Computer Science, 2009, , 794-803.	1.0	7
61	An adaptive regression tree for non-stationary data streams. , 2013, , .		7
62	A support vector based approach for classification beyond the learned label space in data streams. , 2016, , .		7
63	Scalable Architecture for Telemonitoring Chronic Diseases in Order to Support the CDSSs in a Common Platform. Acta Informatica Medica, 2018, 26, 195.	0.5	7
64	Viral Cascade Probability Estimation and Maximization in Diffusion Networks. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 589-600.	4.0	7
65	Deep submodular network: An application to multi-document summarization. Expert Systems With Applications, 2020, 152, 113392.	4.4	7
66	Using PCA to improve evolutionary cellular automata algorithms. , 2008, , .		6
67	Toward a Solution to Multi-agent Credit Assignment Problem. , 2009, , .		6
68	A new call admission control scheme based on new call bounding and thinning II schemes in cellular mobile networks. , 2009, , .		6
69	Expertness framework in multi-agent systems and its application in credit assignment problem. Intelligent Data Analysis, 2014, 18, 511-528.	0.4	6
70	Supervised fuzzy partitioning. Pattern Recognition, 2020, 97, 107013.	5.1	6
71	An Adaptive Uniform Fractional Guard Channel Algorithm: A Learning Automata Approach. Lecture Notes in Computer Science, 2003, , 405-409.	1.0	5
72	A NEW GENETIC ALGORITHM FOR MULTIPLE SEQUENCE ALIGNMENT. International Journal of Computational Intelligence and Applications, 2012, 11, 1250023.	0.6	5

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73	Critic learning in multi agent credit assignment problem. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3465-3480.	0.8	5
74	Expectation propagation for large scale Bayesian inference of non-linear molecular networks from perturbation data. PLoS ONE, 2017, 12, e0171240.	1.1	5
75	Automatic Image Annotation using Tag Relations and Graph Convolutional Networks. , 2021, , .		5
76	Quine-McCluskey Classification. , 2007, , .		4
77	A New Learning Algorithm for the Maxq Hierarchical Reinforcement Learning Method. , 2007, , .		4
78	Knapsack Model for Pixel Based Skin Detection. , 2008, , .		4
79	Dynamic classifier selection using clustering for spam detection. , 2009, , .		4
80	A GENETIC PROGRAMMING-BASED LEARNING ALGORITHMS FOR PRUNING COST-SENSITIVE CLASSIFIERS. International Journal of Computational Intelligence and Applications, 2012, 11, 1250011.	0.6	4
81	Learning to filter spam emails: An ensemble learning approach. International Journal of Hybrid Intelligent Systems, 2012, 9, 27-43.	0.9	4
82	A graph-theoretic approach toward autonomous skill acquisition in reinforcement learning. Evolving Systems, 2018, 9, 227-244.	2.4	4
83	A new fractional call admission control scheme in intergrated cellular network. , 2009, , .		3
84	Multi-aspect group formation using facility location analysis. , 2012, , .		3
85	A Joint Classification Method to Integrate Scientific and Social Networks. Lecture Notes in Computer Science, 2013, , 122-133.	1.0	3
86	WISECODE: wise image segmentation based on community detection. Imaging Science Journal, 2014, 62, 327-336.	0.2	3
87	Incremental RotBoost algorithm: An application for spam filtering. Intelligent Data Analysis, 2015, 19, 449-468.	0.4	3
88	Cascading randomized weighted majority: A new online ensemble learning algorithm. Intelligent Data Analysis, 2016, 20, 877-889.	0.4	3
89	Learning a metric when clustering data points in the presence of constraints. Advances in Data Analysis and Classification, 2020, 14, 29-56.	0.9	3
90	An iterative stochastic algorithm based on distributed learning automata for finding the stochastic shortest path in stochastic graphs. Journal of Supercomputing, 2020, 76, 5540-5562.	2.4	3

#	ARTICLE	IF	CITATIONS
91	Masked Autoencoder for Distribution Estimation on Small Structured Data Sets. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4997-5007.	7.2	3
92	A sampling method based on distributed learning automata for solving stochastic shortest path problem. Knowledge-Based Systems, 2021, 212, 106638.	4.0	3
93	Utilization of Fixed Structure Learning Automata for Adaptation of Learning Rate in Backpropagation Algorithm. Journal of Applied Sciences, 2002, 2, 437-443.	0.1	3
94	Investigating the Baldwin effect on Cartesian Genetic Programming efficiency. , 2008, , .		2
95	Special issue on network-based high performance computing. Journal of Supercomputing, 2010, 53, 1-4.	2.4	2
96	An incremental spam detection algorithm. , 2011, , .		2
97	An algorithm for discovering clusters of different densities or shapes in noisy data sets. , 2013, , .		2
98	Solving Stochastic Path Problem: Particle Swarm Optimization Approach. Lecture Notes in Computer Science, 2008, , 590-600.	1.0	2
99	Exploiting Structural Information of Data in Active Learning. Lecture Notes in Computer Science, 2014, , 796-808.	1.0	2
100	Addition of learning to critic agent as a solution to the multi-agent credit assignment problem. , 2009, , .		1
101	Inferring signaling pathways using interventional data. Intelligent Data Analysis, 2013, 17, 295-308.	0.4	1
102	IMPROVING HANDOVER LATENCY BY USING CROSS-LAYER DIRECT COMMUNICATION MODEL IN IEEE 802.16E BROADBAND WIRELESS ACCESS NETWORKS. , 2009, , .		1
103	Revert Propagation: Who are responsible for a contagion initialization in a Diffusion Network?. , 2020, , .		1
104	A minimum data set of user profile or electronic health record for chemical warfare victims' recommender system. Journal of Family Medicine and Primary Care, 2020, 9, 2995.	0.3	1
105	Multi-threshold Guard Channel Policy for Next Generation Wireless Networks. Lecture Notes in Computer Science, 2003, , 755-762.	1.0	0
106	An Evolutionary Approach to Generalized Mirror Sites Problem. , 2009, , .		0
107	Cellular learning automata with external input and its applications in pattern recognition. , 2009, , .		0
108	New ensemble method for classification of data streams. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
109	Designing a Clinical Decision Support System for Recommending Computerized Cognitive Rehabilitation Programs: the Experience of Attention Deficit Hyperactivity Disorder. , 2018, , .		0
110	User Based Call Admission Control Algorithms for Cellular Mobile Systems. , 2012, , 1461-1493.		0
111	User Based Call Admission Control Algorithms for Cellular Mobile Systems. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 151-182.	0.3	0
112	Structural virality estimation and maximization in diffusion networks. Expert Systems With Applications, 2022, , 117657.	4.4	0