

B John Oommen

List of Publications by Year in descending order

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339
papers

4,323
citations

159585
30
h-index

197818
49
g-index

367
all docs

367
docs citations

367
times ranked

1386
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving Two-Person Zero-Sum Stochastic Games With Incomplete Information Using Learning Automata With Artificial Barriers. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 650-661.	11.3	3
2	User grouping and power allocation in NOMA systems: a novel semi-supervised reinforcement learning-based solution. Pattern Analysis and Applications, 2023, 26, 1-17.	4.6	3
3	Achieving Fair Load Balancing by Invoking a Learning Automata-Based Two-Time-Scale Separation Paradigm. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3444-3457.	11.3	4
4	On utilizing an enhanced object partitioning scheme to optimize self-organizing lists-on-lists. Evolving Systems, 2021, 12, 123-154.	3.9	0
5	Nonparametric "anti-Bayesian" quantile-based pattern classification. Pattern Analysis and Applications, 2021, 24, 75-87.	4.6	1
6	On utilizing the transitivity pursuit-enhanced object partitioning to optimize self-organizing lists-on-lists. Evolving Systems, 2021, 12, 655-686.	3.9	0
7	On solving single elevator-like problems using a learning automata-based paradigm. Evolving Systems, 2021, 12, 37-56.	3.9	1
8	On enhancing the deadlock-preventing object migration automaton using the pursuit paradigm. Pattern Analysis and Applications, 2020, 23, 509-526.	4.6	4
9	The Hierarchical Continuous Pursuit Learning Automation: A Novel Scheme for Environments With Large Numbers of Actions. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 512-526.	11.3	12
10	A Conclusive Analysis of the Finite-Time Behavior of the Discretized Pursuit Learning Automaton. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 284-294.	11.3	11
11	User Grouping and Power Allocation in NOMA Systems: A Reinforcement Learning-Based Solution. Lecture Notes in Computer Science, 2020, , 299-311.	1.3	3
12	Enhancing the Prediction of Lung Cancer Survival Rates Using 2D Features from 3D Scans. Lecture Notes in Computer Science, 2020, , 202-215.	1.3	3
13	Novel Block Diagonalization for Reducing Features and Computations in Medical Diagnosis. Lecture Notes in Computer Science, 2020, , 42-54.	1.3	0
14	Optimizing Self-organizing Lists-on-Lists Using Transitivity and Pursuit-Enhanced Object Partitioning. IFIP Advances in Information and Communication Technology, 2020, , 227-240.	0.7	1
15	A Novel Learning Automata-Based Strategy to Generate Melodies from "Chordal Inputs. IFIP Advances in Information and Communication Technology, 2020, , 203-215.	0.7	0
16	Learning Automata-Based Solutions to the Multi-Elevator Problem. Lecture Notes in Computer Science, 2019, , 130-141.	1.3	2
17	Optimizing Self-organizing Lists-on-Lists Using Pursuit-Oriented Enhanced Object Partitioning. Lecture Notes in Computer Science, 2019, , 201-212.	1.3	2
18	Optimizing Self-organizing Lists-on-Lists Using Enhanced Object Partitioning. IFIP Advances in Information and Communication Technology, 2019, , 451-463.	0.7	4

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19	The Power of the “Pursuit” Learning Paradigm in the Partitioning of Data. IFIP Advances in Information and Communication Technology, 2019, , 3-16.	0.7	0
20	Learning Automata-Based Solutions to the Single Elevator Problem. IFIP Advances in Information and Communication Technology, 2019, , 439-450.	0.7	5
21	The Power of the “Pursuit” Learning Paradigm in the Partitioning of Data. Communications in Computer and Information Science, 2019, , 3-16.	0.5	0
22	On utilizing weak estimators to achieve the online classification of data streams. Engineering Applications of Artificial Intelligence, 2019, 86, 11-31.	8.1	3
23	Multi-Minimax: A New AI Paradigm for Simultaneously-Played Multi-player Games. Lecture Notes in Computer Science, 2019, , 41-53.	1.3	0
24	On Using “Stochastic Learning on the Line” to Design Novel Distance Estimation Methods for Three-Dimensional Environments. Lecture Notes in Computer Science, 2019, , 39-49.	1.3	0
25	A Learning Automaton-Based Scheme for Scheduling Domestic Shiftable Loads in Smart Grids. IEEE Access, 2018, 6, 5348-5361.	4.2	24
26	On the analysis of a random walk-jump chain with tree-based transitions and its applications to faulty dichotomous search. Sequential Analysis, 2018, 37, 31-46.	0.5	0
27	Higher-Fidelity Frugal and Accurate Quantile Estimation Using a Novel Incremental <i>Discretized</i> Paradigm. IEEE Access, 2018, 6, 24362-24374.	4.2	3
28	Novel threat-based AI strategies that incorporate adaptive data structures for multi-player board games. Applied Intelligence, 2018, 48, 1893-1911.	5.3	2
29	On achieving intelligent traffic-aware consolidation of virtual machines in a data center using Learning Automata. Journal of Computational Science, 2018, 24, 290-312.	2.9	10
30	On enhancing the object migration automaton using the Pursuit paradigm. Journal of Computational Science, 2018, 24, 329-342.	2.9	8
31	On the classification of dynamical data streams using novel “Anti-Bayesian” techniques. Pattern Recognition, 2018, 76, 108-124.	8.1	9
32	Novel Distance Estimation Methods Using “Stochastic Learning on the Line” Strategies. IEEE Access, 2018, 6, 48438-48454.	4.2	5
33	On Invoking Transitivity to Enhance the <i>Pursuit</i>-Oriented Object Migration Automata. IEEE Access, 2018, 6, 21668-21681.	4.2	6
34	The Hierarchical Continuous Pursuit Learning Automation for Large Numbers of Actions. IFIP Advances in Information and Communication Technology, 2018, , 451-461.	0.7	1
35	On optimizing firewall performance in dynamic networks by invoking a novel <i>swapping window</i>-based paradigm. International Journal of Communication Systems, 2018, 31, e3773.	2.5	12
36	On Using “Stochastic Learning on the Line” to Design Novel Distance Estimation Methods. Lecture Notes in Computer Science, 2018, , 34-42.	1.3	0

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37	Enhancing English-Japanese Translation Using Syntactic Pattern Recognition Methods. Advances in Intelligent Systems and Computing, 2018, , 33-42.	0.6	2
38	Novel Results on Random Walk-Jump Chains That Possess Tree-Based Transitions. Advances in Intelligent Systems and Computing, 2018, , 43-52.	0.6	0
39	On Addressing the Challenges of Complex Stochastic Games Using “Representative” Moves. IFIP Advances in Information and Communication Technology, 2018, , 3-13.	0.7	0
40	The design of absorbing Bayesian pursuit algorithms and the formal analyses of their $\hat{\mu}$ -optimality. Pattern Analysis and Applications, 2017, 20, 797-808.	4.6	7
41	On Solving the Problem of Identifying Unreliable Sensors Without a Knowledge of the Ground Truth: The Case of Stochastic Environments. IEEE Transactions on Cybernetics, 2017, 47, 1604-1617.	9.5	8
42	A novel technique for stochastic root-finding: Enhancing the search with adaptive d-ary search. Information Sciences, 2017, 393, 108-129.	6.9	4
43	Occlusion-based estimation of independent multinomial random variables using occurrence and sequential information. Engineering Applications of Artificial Intelligence, 2017, 63, 69-84.	8.1	0
44	Scheduling Domestic Shiftable Loads in Smart Grids: A Learning Automata-Based Scheme. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 58-68.	0.3	3
45	Challenging state-of-the-art move ordering with Adaptive Data Structures. Applied Intelligence, 2017, 48, 1128.	5.3	0
46	“Anti-Bayesian” flat and hierarchical clustering using symmetric quantiloids. Information Sciences, 2017, 418-419, 495-512.	6.9	3
47	On using novel “Anti-Bayesian” techniques for the classification of dynamical data streams. , 2017, , .		0
48	A novel abstraction for swarm intelligence: particle field optimization. Autonomous Agents and Multi-Agent Systems, 2017, 31, 362-385.	2.1	12
49	On Utilizing the Pursuit Paradigm to Enhance the Deadlock-Preventing Object Migration Automaton. , 2017, , .		4
50	The Theory and Applications of the Stochastic Point Location Problem. , 2017, , .		2
51	Partitioning in signal processing using the object migration automaton and the pursuit paradigm. , 2017, , .		1
52	A Higher-Fidelity Frugal Quantile Estimator. Lecture Notes in Computer Science, 2017, , 76-86.	1.3	1
53	Identifying Unreliable Sensors Without a Knowledge of the Ground Truth in Deceptive Environments. Lecture Notes in Computer Science, 2017, , 741-753.	1.3	0
54	Novel Discretized Weak Estimators Based on the Principles of the Stochastic Search on the Line Problem. IEEE Transactions on Cybernetics, 2016, 46, 2732-2744.	9.5	10

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55	Achieving Intelligent Traffic-Aware Consolidation of Virtual Machines in a Data Center Using Learning Automata. , 2016, , .		8
56	Stochastic discretized learning-based weak estimation: a novel estimation method for non-stationary environments. Pattern Recognition, 2016, 60, 430-443.	8.1	11
57	Optimizing channel selection for cognitive radio networks using a distributed Bayesian learning automata-based approach. Applied Intelligence, 2016, 44, 307-321.	5.3	12
58	Dynamic Ordering of Firewall Rules Using a Novel Swapping Window-based Paradigm. , 2016, , .		8
59	A formal proof of the ϵ -optimality of discretized pursuit algorithms. Applied Intelligence, 2016, 44, 282-294.	5.3	7
60	Multinomial Sequence Based Estimation Using Contiguous Subsequences of Length Three. Lecture Notes in Computer Science, 2016, , 243-253.	1.3	1
61	On the Foundations of Multinomial Sequence Based Estimation. Lecture Notes in Computer Science, 2016, , 218-229.	1.3	1
62	On Achieving History-Based Move Ordering in Adversarial Board Games Using Adaptive Data Structures. Lecture Notes in Computer Science, 2016, , 10-44.	1.3	2
63	Challenging Established Move Ordering Strategies with Adaptive Data Structures. Lecture Notes in Computer Science, 2016, , 862-872.	1.3	1
64	A Cluster Analysis of Stock Market Data Using Hierarchical SOMs. Lecture Notes in Computer Science, 2016, , 101-112.	1.3	0
65	On the Online Classification of Data Streams Using Weak Estimators. Lecture Notes in Computer Science, 2016, , 68-79.	1.3	2
66	“Anti-Bayesian” Flat and Hierarchical Clustering Using Symmetric Quantiloids. Lecture Notes in Computer Science, 2016, , 56-67.	1.3	0
67	On the Cryptanalysis of Two Cryptographic Algorithms That Utilize Chaotic Neural Networks. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	4
68	Pattern classification using a new border identification paradigm: The nearest border technique. Neurocomputing, 2015, 157, 105-117.	5.9	4
69	Solving Stochastic Root-Finding with adaptive d-ary search. , 2015, , .		1
70	Space and depth-related enhancements of the history-ADS strategy in game playing. , 2015, , .		4
71	On Distinguishing between Reliable and Unreliable Sensors Without a Knowledge of the Ground Truth. , 2015, , .		6
72	A Novel Clustering Algorithm Based on a Non-parametric “Anti-Bayesian” Paradigm. Lecture Notes in Computer Science, 2015, , 536-545.	1.3	1

#	ARTICLE	IF	CITATIONS
73	Enhancing History-Based Move Ordering in Game Playing Using Adaptive Data Structures. Lecture Notes in Computer Science, 2015, , 225-235.	1.3	6
74	Pattern Recognition using the TTOCONROT. Lecture Notes in Computer Science, 2015, , 435-444.	1.3	0
75	Case Based Measles Surveillance in Pune: Evidence to Guide Current and Future Measles Control and Elimination Efforts in India. PLoS ONE, 2014, 9, e108786.	2.5	12
76	A Novel Strategy for Solving the Stochastic Point Location Problem Using a Hierarchical Searching Scheme. IEEE Transactions on Cybernetics, 2014, 44, 2202-2220.	9.5	29
77	On Utilizing Stochastic Non-linear Fractional Bin Packing to Resolve Distributed Web Crawling. , 2014, , .		1
78	Logistic Neural Networks: Their chaotic and pattern recognition properties. Neurocomputing, 2014, 125, 184-194.	5.9	15
79	Topology-oriented self-organizing maps: a survey. Pattern Analysis and Applications, 2014, 17, 223-248.	4.6	36
80	A formal proof of the $\hat{\mu}$ -optimality of absorbing continuous pursuit algorithms using the theory of regular functions. Applied Intelligence, 2014, 41, 974-985.	5.3	14
81	“Anti-Bayesian” parametric pattern classification using order statistics criteria for some members of the exponential family. Pattern Recognition, 2014, 47, 40-55.	8.1	15
82	Self-organizing maps whose topologies can be learned with adaptive binary search trees using conditional rotations. Pattern Recognition, 2014, 47, 96-113.	8.1	9
83	A Bayesian Learning Automata-Based Distributed Channel Selection Scheme for Cognitive Radio Networks. Lecture Notes in Computer Science, 2014, , 48-57.	1.3	5
84	Cryptanalysis of a Cryptographic Algorithm that Utilizes Chaotic Neural Networks. , 2014, , 167-174.		2
85	THE USE OF WEAK ESTIMATORS TO ACHIEVE LANGUAGE DETECTION AND TRACKING IN MULTILINGUAL DOCUMENTS. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1350011.	1.2	5
86	On incorporating the paradigms of discretization and Bayesian estimation to create a new family of pursuit learning automata. Applied Intelligence, 2013, 39, 782-792.	5.3	32
87	Learning-Automaton-Based Online Discovery and Tracking of Spatiotemporal Event Patterns. IEEE Transactions on Cybernetics, 2013, 43, 1118-1130.	9.5	20
88	On Enhancing Recent Multi-player Game Playing Strategies Using a Spectrum of Adaptive Data Structures. , 2013, , .		9
89	On utilizing dependence-based information to enhance micro-aggregation for secure statistical databases. Pattern Analysis and Applications, 2013, 16, 99-116.	4.6	6
90	Order statistics-based parametric classification for multi-dimensional distributions. Pattern Recognition, 2013, 46, 3472-3482.	8.1	13

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91	The fundamental theory of optimal “Anti-Bayesian” parametric pattern classification using order statistics criteria. Pattern Recognition, 2013, 46, 376-388.	8.1	22
92	On achieving semi-supervised pattern recognition by utilizing tree-based SOMs. Pattern Recognition, 2013, 46, 293-304.	8.1	15
93	Modeling the “Learning Process” of the Teacher in a Tutorial-Like System Using Learning Automata. IEEE Transactions on Cybernetics, 2013, 43, 2020-2031.	9.5	15
94	Channel selection in Cognitive Radio Networks: A Switchable Bayesian Learning Automata approach. , 2013, , .		3
95	A Novel Border Identification Algorithm Based on an “Anti-Bayesian” Paradigm. Lecture Notes in Computer Science, 2013, , 196-203.	1.3	6
96	Emerging Trends in Machine Learning: Classification of Stochastically Episodic Events. Smart Innovation, Systems and Technologies, 2013, , 161-195.	0.6	0
97	On Achieving Near-Optimal “Anti-Bayesian” Order Statistics-Based Classification for Asymmetric Exponential Distributions. Lecture Notes in Computer Science, 2013, , 368-376.	1.3	0
98	A New Paradigm for Pattern Classification: Nearest Border Techniques. Lecture Notes in Computer Science, 2013, , 441-446.	1.3	0
99	Discretized Bayesian Pursuit “ A New Scheme for Reinforcement Learning. Lecture Notes in Computer Science, 2012, , 784-793.	1.3	15
100	A novel Stochastic Discretized Weak Estimator operating in non-stationary environments. , 2012, , .		5
101	Large-scale neuro-modeling for understanding and explaining some brain-related chaotic behavior. Simulation, 2012, 88, 1316-1337.	1.8	6
102	Achieving Unbounded Resolution in Finite Player Go Games Using Stochastic Automata, and Its Applications. Sequential Analysis, 2012, 31, 190-218.	0.5	3
103	Service selection in stochastic environments: a learning-automaton based solution. Applied Intelligence, 2012, 36, 617-637.	5.3	39
104	On using prototype reduction schemes to optimize locally linear reconstruction methods. Pattern Recognition, 2012, 45, 498-511.	8.1	1
105	A Stochastic Search on the Line-Based Solution to Discretized Estimation. Lecture Notes in Computer Science, 2012, , 764-773.	1.3	6
106	Optimal “Anti-Bayesian” Parametric Pattern Classification Using Order Statistics Criteria. Lecture Notes in Computer Science, 2012, , 1-13.	1.3	6
107	An Adaptive Approach to Learning the Preferences of Users in a Social Network Using Weak Estimators. Journal of Information Processing Systems, 2012, 8, 191-212.	0.9	24
108	A Fast Heuristic Solution for the Commons Game. Advances in Intelligent and Soft Computing, 2012, , 81-90.	0.2	0

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109	Modeling a Teacher in a Tutorial-like System Using Learning Automata. Lecture Notes in Computer Science, 2012, , 37-62.	1.3	1
110	On the Pattern Recognition and Classification of Stochastically Episodic Events. Lecture Notes in Computer Science, 2012, , 1-35.	1.3	2
111	Anomaly detection using weak estimators. , 2011, , .		0
112	The entire range of Chaotic pattern recognition properties possessed by the Adachi neural network1. Intelligent Decision Technologies, 2011, 6, 27-41.	0.9	3
113	Learning automata-based solutions to the optimal web polling problem modelled as a nonlinear fractional knapsack problem. Engineering Applications of Artificial Intelligence, 2011, 24, 1238-1251.	8.1	9
114	A User-Centric Approach for Personalized Service Provisioning in Pervasive Environments. Wireless Personal Communications, 2011, 61, 543-566.	2.7	17
115	Imposing tree-based topologies onto self organizing maps. Information Sciences, 2011, 181, 3798-3815.	6.9	21
116	Anomaly Detection in Dynamic Systems Using Weak Estimators. ACM Transactions on Internet Technology, 2011, 11, 1-16.	4.4	30
117	An intelligent architecture for service provisioning in pervasive environments. , 2011, , .		1
118	On the analysis of a new Markov chain which has applications in AI and machine learning. , 2011, , .		0
119	Networking logistic neurons can yield chaotic and pattern recognition properties. , 2011, , .		3
120	On the Analysis of a Random Interleaving Walk“Jump Process with Applications to Testing. Sequential Analysis, 2011, 30, 457-478.	0.5	3
121	The Bayesian Pursuit Algorithm: A New Family of Estimator Learning Automata. Lecture Notes in Computer Science, 2011, , 522-531.	1.3	12
122	Semi-Supervised Classification Using Tree-Based Self-Organizing Maps. Lecture Notes in Computer Science, 2011, , 21-30.	1.3	2
123	Tracking the Preferences of Users Using Weak Estimators. Lecture Notes in Computer Science, 2011, , 799-808.	1.3	0
124	Stochastic Learning-based Weak Estimation and Its Applications. , 2011, , 1-29.		0
125	Using Artificial Intelligence Techniques for Strategy Generation in the Commons Game. Lecture Notes in Computer Science, 2011, , 43-50.	1.3	3
126	Generalized Bayesian Pursuit: A Novel Scheme for Multi-Armed Bernoulli Bandit Problems. International Federation for Information Processing, 2011, , 122-131.	0.4	0

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127	On Merging the Fields of Neural Networks and Adaptive Data Structures to Yield New Pattern Recognition Methodologies. Lecture Notes in Computer Science, 2011, , 13-16.	1.3	0
128	A New Tool for the Modeling of AI and Machine Learning Applications: Random Walk-Jump Processes. Lecture Notes in Computer Science, 2011, , 11-21.	1.3	0
129	Recent advances in Learning Automata systems. , 2010, , .		13
130	An Enhanced Tree-Shaped Adachi-Like Chaotic Neural Network Requiring Linear-Time Computations. , 2010, , .		4
131	Optimal sampling for estimation with constrained resources using a learning automaton-based solution for the nonlinear fractional knapsack problem. Applied Intelligence, 2010, 33, 3-20.	5.3	17
132	Fault-tolerant routing in adversarial mobile ad hoc networks: an efficient route estimation scheme for non-stationary environments. Telecommunication Systems, 2010, 44, 159-169.	2.5	25
133	Multi-class pairwise linear dimensionality reduction using heteroscedastic schemes. Pattern Recognition, 2010, 43, 2456-2465.	8.1	9
134	Peptide classification using optimal and information theoretic syntactic modeling. Pattern Recognition, 2010, 43, 3891-3899.	8.1	2
135	A survey on statistical disclosure control and microaggregation techniques for secure statistical databases. Software - Practice and Experience, 2010, 40, 1161-1188.	3.6	18
136	Use of amniotic membrane in dermatology. Indian Journal of Dermatology, Venereology and Leprology, 2010, 76, 196.	0.6	8
137	Solving Stochastic Nonlinear Resource Allocation Problems Using a Hierarchy of Twofold Resource Allocation Automata. IEEE Transactions on Computers, 2010, 59, 545-560.	3.4	46
138	On Utilizing Association and Interaction Concepts for Enhancing Microaggregation in Secure Statistical Databases. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 198-207.	5.0	6
139	Modeling a Student's Behavior in a Tutorial-Like System Using Learning Automata. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 481-492.	5.0	26
140	Random Early Detection for Congestion Avoidance in Wired Networks: A Discretized Pursuit Learning-Automata-Like Solution. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 66-76.	5.0	74
141	Modeling a Student's Classroom Interaction in a Tutorial-Like System Using Learning Automata. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 29-42.	5.0	35
142	Solving Multiconstraint Assignment Problems Using Learning Automata. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 6-18.	5.0	37
143	Chaotic and pattern recognition properties of a network of Logistic neurons. , 2010, , .		1
144	A Learning Automata Based Solution to Service Selection in Stochastic Environments. Lecture Notes in Computer Science, 2010, , 209-218.	1.3	4

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145	Learning Automaton Based On-Line Discovery and Tracking of Spatio-temporal Event Patterns. Lecture Notes in Computer Science, 2010, , 327-338.	1.3	4
146	Language Detection and Tracking in Multilingual Documents Using Weak Estimators. Lecture Notes in Computer Science, 2010, , 600-609.	1.3	6
147	Potential AI Strategies to Solve the Commons Game: A Position Paper. Lecture Notes in Computer Science, 2010, , 352-356.	1.3	2
148	On Optimizing Locally Linear Nearest Neighbour Reconstructions Using Prototype Reduction Schemes. Lecture Notes in Computer Science, 2010, , 153-163.	1.3	0
149	Adachi-Like Chaotic Neural Networks Requiring Linear-Time Computations by Enforcing a Tree-Shaped Topology. IEEE Transactions on Neural Networks, 2009, 20, 1797-1809.	4.2	9
150	An efficient pursuit automata approach for estimating stable all-pairs shortest paths in stochastic network environments. International Journal of Communication Systems, 2009, 22, 441-468.	2.5	14
151	Estimation of distributions involving unobservable events: the case of optimal search with unknown Target Distributions. Pattern Analysis and Applications, 2009, 12, 37-53.	4.6	5
152	On using prototype reduction schemes to enhance the computation of volume-based inter-class overlap measures. Pattern Recognition, 2009, 42, 2695-2704.	8.1	13
153	Learning Automata Based Intelligent Tutorial-like System. Lecture Notes in Computer Science, 2009, , 360-373.	1.3	5
154	An adaptive learning-like solution of random early detection for congestion avoidance in computer networks. , 2009, , .		2
155	Achieving Microaggregation for Secure Statistical Databases Using Fixed-Structure Partitioning-Based Learning Automata. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1192-1205.	5.0	22
156	Anomaly Detection in Dynamic Social Systems Using Weak Estimators. , 2009, , .		2
157	Cybernetics and Learning Automata. , 2009, , 221-235.		31
158	On Using Adaptive Binary Search Trees to Enhance Self Organizing Maps. Lecture Notes in Computer Science, 2009, , 199-209.	1.3	6
159	Learning Automata-Based Solutions to Stochastic Nonlinear Resource Allocation Problems. Studies in Computational Intelligence, 2009, , 1-30.	0.9	0
160	A Novel Multidimensional Scaling Technique for Mapping Word-Of-Mouth Discussions. Studies in Computational Intelligence, 2009, , 317-322.	0.9	6
161	A Hierarchy of Twofold Resource Allocation Automata Supporting Optimal Sampling. Lecture Notes in Computer Science, 2009, , 523-534.	1.3	3
162	On the Differences Between Discretized and Continuous Stochastic Systems as Demonstrated by Learning Automata. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2009, 2009, 1-10.	0.2	0

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163	Spikes annihilation in the Hodgkin-Huxley neuron. Biological Cybernetics, 2008, 98, 239-257.	1.3	11
164	An efficient compression scheme for data communication which uses a new family of self-organizing binary search trees. International Journal of Communication Systems, 2008, 21, 1091-1120.	2.5	0
165	A Solution to the Stochastic Point Location Problem in Metalevel Nonstationary Environments. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 466-476.	5.0	18
166	On Using Prototype Reduction Schemes to Optimize Kernel-Based Fisher Discriminant Analysis. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 564-570.	5.0	20
167	A Fast Computation of Inter-class Overlap Measures Using Prototype Reduction Schemes. Lecture Notes in Computer Science, 2008, , 173-184.	1.3	1
168	A Hierarchy of Twofold Resource Allocation Automata Supporting Optimal Web Polling. Lecture Notes in Computer Science, 2008, , 347-358.	1.3	3
169	Enhancing Micro-Aggregation Technique by Utilizing Dependence-Based Information in Secure Statistical Databases. Lecture Notes in Computer Science, 2008, , 404-418.	1.3	4
170	Chaotic Pattern Recognition: The Spectrum of Properties of the Adachi Neural Network. Lecture Notes in Computer Science, 2008, , 540-550.	1.3	8
171	Chernoff-Based Multi-class Pairwise Linear Dimensionality Reduction. Lecture Notes in Computer Science, 2008, , 301-308.	1.3	0
172	An AI-Based Causal Strategy for Securing Statistical Databases Using Micro-aggregation. Lecture Notes in Computer Science, 2008, , 423-434.	1.3	1
173	Using Stochastic AI Techniques to Achieve Unbounded Resolution in Finite Player Goore Games and its Applications. , 2007, , .		15
174	Goal-oriented optimal subset selection of correlated multimedia streams. ACM Transactions on Multimedia Computing, Communications and Applications, 2007, 3, 2.	4.3	19
175	The Pursuit Automaton Approach for Estimating All-Pairs Shortest Paths in Dynamically Changing Networks. , 2007, , .		0
176	Using learning automata to model a student-classroom interaction in a tutorial-like system. , 2007, , .		3
177	Using learning automata to model the behavior of a teacher in a tutorial-like system. , 2007, , .		4
178	A Novel Framework for Self-Organizing Lists in Environments with Locality of Reference: Lists-on-Lists. Computer Journal, 2007, 50, 186-196.	2.4	7
179	Using Learning Automata to Model a Domain in a Tutorial-Like System. , 2007, , .		3
180	Learning Automata-Based Solutions to the Nonlinear Fractional Knapsack Problem With Applications to Optimal Resource Allocation. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 166-175.	5.0	76

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181	Desynchronizing a Chaotic Pattern Recognition Neural Network to Model Inaccurate Perception. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 692-704.	5.0	21
182	Routing Bandwidth-Guaranteed Paths in MPLS Traffic Engineering: A Multiple Race Track Learning Approach. IEEE Transactions on Computers, 2007, 56, 959-976.	3.4	28
183	A new approach to adaptive encoding data using self-organizing data structures. , 2007, , .		2
184	Using learning automata to model the “learning process” of the teacher in a tutorial-like system. , 2007, , .		1
185	On the estimation of independent binomial random variables using occurrence and sequential information. Pattern Recognition, 2007, 40, 3263-3276.	8.1	55
186	On using prototype reduction schemes to optimize dissimilarity-based classification. Pattern Recognition, 2007, 40, 2946-2957.	8.1	21
187	Breadth-first search strategies for trie-based syntactic pattern recognition. Pattern Analysis and Applications, 2007, 10, 1-13.	4.6	6
188	Periodicity and stability issues of a chaotic pattern recognition neural network. Pattern Analysis and Applications, 2007, 10, 175-188.	4.6	14
189	On Using Learning Automata to Model a Studentâ€™s Behavior in a Tutorial-like System. , 2007, , 813-822.		7
190	A Novel Method for Micro-Aggregation in Secure Statistical Databases Using Association and Interaction. Lecture Notes in Computer Science, 2007, , 126-140.	1.3	6
191	Estimation in Feedback Loops by Stochastic Learning. Advances in Pattern Recognition, 2007, , 3-16.	0.8	1
192	Stochastic Point Location in Non-stationary Environments and Its Applications. , 2007, , 845-854.		1
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