

B John Oommen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

342
papers

3,459
citations

28
h-index

45
g-index

367
ext. papers

3,917
ext. citations

3
avg, IF

5.62
L-index

#	Paper	IF	Citations
342	The Hierarchical Discrete Learning Automaton Suitable for Environments with Many Actions and High Accuracy Requirements. <i>Lecture Notes in Computer Science</i> , 2022 , 507-518	0.9	1
341	On solving single elevator-like problems using a learning automata-based paradigm. <i>Evolving Systems</i> , 2021 , 12, 37-56	2.1	1
340	Achieving Fair Load Balancing by Invoking a Learning Automata-Based Two-Time-Scale Separation Paradigm. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3444-3457	10.3	1
339	On utilizing the transitivity pursuit-enhanced object partitioning to optimize self-organizing lists-on-lists. <i>Evolving Systems</i> , 2021 , 12, 655-686	2.1	
338	On utilizing an enhanced object partitioning scheme to optimize self-organizing lists-on-lists. <i>Evolving Systems</i> , 2021 , 12, 123-154	2.1	
337	Nonparametric Anti-Bayesian Quantile-based pattern classification. <i>Pattern Analysis and Applications</i> , 2021 , 24, 75-87	2.3	1
336	A Learning-Automata Based Solution for Non-equal Partitioning: Partitions with Common GCD Sizes. <i>Lecture Notes in Computer Science</i> , 2021 , 227-239	0.9	1
335	Object Migration Automata for Non-equal Partitioning Problems with Known Partition Sizes. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 129-142	0.5	0
334	A Novel Learning Automata-Based Strategy to Generate Melodies from Chordal Inputs. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 203-215	0.5	
333	Enhancing the Prediction of Lung Cancer Survival Rates Using 2D Features from 3D Scans. <i>Lecture Notes in Computer Science</i> , 2020 , 202-215	0.9	1
332	Novel Block Diagonalization for Reducing Features and Computations in Medical Diagnosis. <i>Lecture Notes in Computer Science</i> , 2020 , 42-54	0.9	
331	Optimizing Self-organizing Lists-on-Lists Using Transitivity and Pursuit-Enhanced Object Partitioning. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 227-240	0.5	0
330	User Grouping and Power Allocation in NOMA Systems: A Reinforcement Learning-Based Solution. <i>Lecture Notes in Computer Science</i> , 2020 , 299-311	0.9	3
329	On enhancing the deadlock-preventing object migration automaton using the pursuit paradigm. <i>Pattern Analysis and Applications</i> , 2020 , 23, 509-526	2.3	3
328	The Hierarchical Continuous Pursuit Learning Automation: A Novel Scheme for Environments With Large Numbers of Actions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 512-526	10.3	8
327	A Conclusive Analysis of the Finite-Time Behavior of the Discretized Pursuit Learning Automaton. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 284-294	10.3	8
326	The Power of the Pursuit Learning Paradigm in the Partitioning of Data. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 3-16	0.5	

325	Learning Automata-Based Solutions to the Single Elevator Problem. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 439-450	0.5	5
324	The Power of the Pursuit-Learning Paradigm in the Partitioning of Data. <i>Communications in Computer and Information Science</i> , 2019 , 3-16	0.3	
323	Learning Automata-Based Solutions to the Multi-Elevator Problem. <i>Lecture Notes in Computer Science</i> , 2019 , 130-141	0.9	1
322	Optimizing Self-organizing Lists-on-Lists Using Pursuit-Oriented Enhanced Object Partitioning. <i>Lecture Notes in Computer Science</i> , 2019 , 201-212	0.9	2
321	Optimizing Self-organizing Lists-on-Lists Using Enhanced Object Partitioning. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 451-463	0.5	4
320	Multi-Minimax: A New AI Paradigm for Simultaneously-Played Multi-player Games. <i>Lecture Notes in Computer Science</i> , 2019 , 41-53	0.9	
319	On Using Stochastic Learning on the Line to Design Novel Distance Estimation Methods for Three-Dimensional Environments. <i>Lecture Notes in Computer Science</i> , 2019 , 39-49	0.9	
318	On utilizing weak estimators to achieve the online classification of data streams. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 86, 11-31	7.2	1
317	A Learning Automaton-Based Scheme for Scheduling Domestic Shiftable Loads in Smart Grids. <i>IEEE Access</i> , 2018 , 6, 5348-5361	3.5	17
316	On the analysis of a random walk-jump chain with tree-based transitions and its applications to faulty dichotomous search. <i>Sequential Analysis</i> , 2018 , 37, 31-46	0.7	
315	Higher-Fidelity Frugal and Accurate Quantile Estimation Using a Novel Incremental Discretized Paradigm. <i>IEEE Access</i> , 2018 , 6, 24362-24374	3.5	3
314	Novel threat-based AI strategies that incorporate adaptive data structures for multi-player board games. <i>Applied Intelligence</i> , 2018 , 48, 1893-1911	4.9	1
313	On achieving intelligent traffic-aware consolidation of virtual machines in a data center using Learning Automata. <i>Journal of Computational Science</i> , 2018 , 24, 290-312	3.4	9
312	On enhancing the object migration automaton using the Pursuit paradigm. <i>Journal of Computational Science</i> , 2018 , 24, 329-342	3.4	6
311	On optimizing firewall performance in dynamic networks by invoking a novel swapping window-based paradigm. <i>International Journal of Communication Systems</i> , 2018 , 31, e3773	1.7	8
310	On Using Stochastic Learning on the Line to Design Novel Distance Estimation Methods. <i>Lecture Notes in Computer Science</i> , 2018 , 34-42	0.9	
309	On Addressing the Challenges of Complex Stochastic Games Using Representative Moves. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 3-13	0.5	
308	Enhancing English-Japanese Translation Using Syntactic Pattern Recognition Methods. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 33-42	0.4	2

307	Novel Results on Random Walk-Jump Chains That Possess Tree-Based Transitions. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 43-52	0.4	
306	On the classification of dynamical data streams using novel Anti-Bayesian Techniques. <i>Pattern Recognition</i> , 2018 , 76, 108-124	7.7	8
305	Novel Distance Estimation Methods Using Stochastic Learning on the Line Strategies. <i>IEEE Access</i> , 2018 , 6, 48438-48454	3.5	5
304	On Invoking Transitivity to Enhance the Pursuit-Oriented Object Migration Automata. <i>IEEE Access</i> , 2018 , 6, 21668-21681	3.5	4
303	The Hierarchical Continuous Pursuit Learning Automation for Large Numbers of Actions. <i>IFIP Advances in Information and Communication Technology</i> , 2018 , 451-461	0.5	1
302	The design of absorbing Bayesian pursuit algorithms and the formal analyses of their Optimality. <i>Pattern Analysis and Applications</i> , 2017 , 20, 797-808	2.3	5
301	On Solving the Problem of Identifying Unreliable Sensors Without a Knowledge of the Ground Truth: The Case of Stochastic Environments. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1604-1617	10.2	7
300	A novel technique for stochastic root-finding: Enhancing the search with adaptive d-ary search. <i>Information Sciences</i> , 2017 , 393, 108-129	7.7	4
299	Occlusion-based estimation of independent multinomial random variables using occurrence and sequential information. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 63, 69-84	7.2	
298	Scheduling Domestic Shiftable Loads in Smart Grids: A Learning Automata-Based Scheme. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 58-68	0.2	3
297	Challenging state-of-the-art move ordering with Adaptive Data Structures. <i>Applied Intelligence</i> , 2017 , 48, 1128	4.9	
296	Anti-Bayesian Flat and hierarchical clustering using symmetric quantiloids. <i>Information Sciences</i> , 2017 , 418-419, 495-512	7.7	3
295	A novel abstraction for swarm intelligence: particle field optimization. <i>Autonomous Agents and Multi-Agent Systems</i> , 2017 , 31, 362-385	2	8
294	On Utilizing the Pursuit Paradigm to Enhance the Deadlock-Preventing Object Migration Automaton 2017 ,		2
293	The Theory and Applications of the Stochastic Point Location Problem 2017 ,		2
292	A Higher-Fidelity Frugal Quantile Estimator. <i>Lecture Notes in Computer Science</i> , 2017 , 76-86	0.9	1
291	Identifying Unreliable Sensors Without a Knowledge of the Ground Truth in Deceptive Environments. <i>Lecture Notes in Computer Science</i> , 2017 , 741-753	0.9	
290	Dynamic Ordering of Firewall Rules Using a Novel Swapping Window-based Paradigm 2016 ,		6

289	A formal proof of the ϵ -optimality of discretized pursuit algorithms. <i>Applied Intelligence</i> , 2016 , 44, 282-294	4.9	6
288	Multinomial Sequence Based Estimation Using Contiguous Subsequences of Length Three. <i>Lecture Notes in Computer Science</i> , 2016 , 243-253	0.9	1
287	On the Foundations of Multinomial Sequence Based Estimation. <i>Lecture Notes in Computer Science</i> , 2016 , 218-229	0.9	1
286	On Achieving History-Based Move Ordering in Adversarial Board Games Using Adaptive Data Structures. <i>Lecture Notes in Computer Science</i> , 2016 , 10-44	0.9	1
285	Challenging Established Move Ordering Strategies with Adaptive Data Structures. <i>Lecture Notes in Computer Science</i> , 2016 , 862-872	0.9	
284	A Cluster Analysis of Stock Market Data Using Hierarchical SOMs. <i>Lecture Notes in Computer Science</i> , 2016 , 101-112	0.9	
283	On the Online Classification of Data Streams Using Weak Estimators. <i>Lecture Notes in Computer Science</i> , 2016 , 68-79	0.9	1
282	Text Classification Using Anti-Bayesian Quantile Statistics-Based Classifiers. <i>Lecture Notes in Computer Science</i> , 2016 , 101-126	0.9	
281	Anti-Bayesian Flat and Hierarchical Clustering Using Symmetric Quantiloids. <i>Lecture Notes in Computer Science</i> , 2016 , 56-67	0.9	
280	Novel Discretized Weak Estimators Based on the Principles of the Stochastic Search on the Line Problem. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2732-2744	10.2	10
279	Concept Drift Detection Using Online Histogram-Based Bayesian Classifiers. <i>Lecture Notes in Computer Science</i> , 2016 , 175-182	0.9	2
278	Achieving Intelligent Traffic-Aware Consolidation of Virtual Machines in a Data Center Using Learning Automata 2016 ,		6
277	Stochastic discretized learning-based weak estimation: a novel estimation method for non-stationary environments. <i>Pattern Recognition</i> , 2016 , 60, 430-443	7.7	11
276	Optimizing channel selection for cognitive radio networks using a distributed Bayesian learning automata-based approach. <i>Applied Intelligence</i> , 2016 , 44, 307-321	4.9	12
275	A Novel Clustering Algorithm Based on a Non-parametric Anti-Bayesian Paradigm. <i>Lecture Notes in Computer Science</i> , 2015 , 536-545	0.9	1
274	On the Cryptanalysis of Two Cryptographic Algorithms That Utilize Chaotic Neural Networks. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-9	1.1	3
273	Pattern classification using a new border identification paradigm: The nearest border technique. <i>Neurocomputing</i> , 2015 , 157, 105-117	5.4	2
272	Solving Stochastic Root-Finding with adaptive d-ary search 2015 ,		1

271	Space and depth-related enhancements of the history-ADS strategy in game playing 2015 ,		3
270	On Distinguishing between Reliable and Unreliable Sensors Without a Knowledge of the Ground Truth 2015 ,		2
269	Novel AI Strategies for Multi-Player Games at Intermediate Board States. <i>Lecture Notes in Computer Science</i> , 2015 , 33-42	0.9	5
268	Text Classification Using Novel Anti-Bayesian Techniques. <i>Lecture Notes in Computer Science</i> , 2015 , 1-15	0.9	1
267	Enhancing History-Based Move Ordering in Game Playing Using Adaptive Data Structures. <i>Lecture Notes in Computer Science</i> , 2015 , 225-235	0.9	5
266	Pattern Recognition using the TTOCONROT. <i>Lecture Notes in Computer Science</i> , 2015 , 435-444	0.9	
265	Topology-oriented self-organizing maps: a survey. <i>Pattern Analysis and Applications</i> , 2014 , 17, 223-248	2.3	30
264	A formal proof of the Optimality of absorbing continuous pursuit algorithms using the theory of regular functions. <i>Applied Intelligence</i> , 2014 , 41, 974-985	4.9	9
263	Using the Theory of Regular Functions to Formally Prove the Optimality of Discretized Pursuit Learning Algorithms. <i>Lecture Notes in Computer Science</i> , 2014 , 379-388	0.9	4
262	Anti-Bayesian Parametric pattern classification using order statistics criteria for some members of the exponential family. <i>Pattern Recognition</i> , 2014 , 47, 40-55	7.7	11
261	Self-organizing maps whose topologies can be learned with adaptive binary search trees using conditional rotations. <i>Pattern Recognition</i> , 2014 , 47, 96-113	7.7	8
260	Case based measles surveillance in Pune: evidence to guide current and future measles control and elimination efforts in India. <i>PLoS ONE</i> , 2014 , 9, e108786	3.7	8
259	A novel strategy for solving the stochastic point location problem using a hierarchical searching scheme. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2202-20	10.2	26
258	Logistic Neural Networks: Their chaotic and pattern recognition properties. <i>Neurocomputing</i> , 2014 , 125, 184-194	5.4	14
257	A Bayesian Learning Automata-Based Distributed Channel Selection Scheme for Cognitive Radio Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 48-57	0.9	5
256	Cryptanalysis of a Cryptographic Algorithm that Utilizes Chaotic Neural Networks 2014 , 167-174		1
255	Fast BMU Search in SOMs Using Random Hyperplane Trees. <i>Lecture Notes in Computer Science</i> , 2014 , 39-51	0.9	3
254	On the Existence and Heuristic Computation of the Solution for the Commons Game. <i>Lecture Notes in Computer Science</i> , 2014 , 71-99	0.9	

253	THE USE OF WEAK ESTIMATORS TO ACHIEVE LANGUAGE DETECTION AND TRACKING IN MULTILINGUAL DOCUMENTS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2013 , 27, 1350011	1.1	4
252	On incorporating the paradigms of discretization and Bayesian estimation to create a new family of pursuit learning automata. <i>Applied Intelligence</i> , 2013 , 39, 782-792	4.9	27
251	Learning-automaton-based online discovery and tracking of spatiotemporal event patterns. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1118-30	10.2	15
250	On Enhancing Recent Multi-player Game Playing Strategies Using a Spectrum of Adaptive Data Structures 2013 ,		8
249	On utilizing dependence-based information to enhance micro-aggregation for secure statistical databases. <i>Pattern Analysis and Applications</i> , 2013 , 16, 99-116	2.3	5
248	Order statistics-based parametric classification for multi-dimensional distributions. <i>Pattern Recognition</i> , 2013 , 46, 3472-3482	7.7	10
247	Classification of Multi-dimensional Distributions Using Order Statistics Criteria. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 19-29	0.4	
246	The fundamental theory of optimal "Anti-Bayesian" parametric pattern classification using order statistics criteria. <i>Pattern Recognition</i> , 2013 , 46, 376-388	7.7	18
245	On achieving semi-supervised pattern recognition by utilizing tree-based SOMs. <i>Pattern Recognition</i> , 2013 , 46, 293-304	7.7	12
244	Modeling the "learning process" of the teacher in a tutorial-like system using learning automata. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 2020-31	10.2	11
243	On Applying Adaptive Data Structures to Multi-Player Game Playing 2013 , 125-138		8
242	Ultimate Order Statistics-Based Prototype Reduction Schemes. <i>Lecture Notes in Computer Science</i> , 2013 , 421-433	0.9	3
241	On Using the Theory of Regular Functions to Prove the "Optimality of the Continuous Pursuit Learning Automaton. <i>Lecture Notes in Computer Science</i> , 2013 , 262-271	0.9	4
240	A Novel Border Identification Algorithm Based on an "Anti-Bayesian" Paradigm. <i>Lecture Notes in Computer Science</i> , 2013 , 196-203	0.9	4
239	Emerging Trends in Machine Learning: Classification of Stochastically Episodic Events. <i>Smart Innovation, Systems and Technologies</i> , 2013 , 161-195	0.5	
238	On Achieving Near-Optimal "Anti-Bayesian" Order Statistics-Based Classification for Asymmetric Exponential Distributions. <i>Lecture Notes in Computer Science</i> , 2013 , 368-376	0.9	
237	Ideal Chaotic Pattern Recognition Is Achievable: The Ideal-M-AdNN - Its Design and Properties. <i>Lecture Notes in Computer Science</i> , 2013 , 22-51	0.9	
236	On using prototype reduction schemes to optimize locally linear reconstruction methods. <i>Pattern Recognition</i> , 2012 , 45, 498-511	7.7	1

235	A novel Stochastic Discretized Weak Estimator operating in non-stationary environments 2012 ,		4
234	Large-scale neuro-modeling for understanding and explaining some brain-related chaotic behavior. <i>Simulation</i> , 2012 , 88, 1316-1337	1.2	5
233	Achieving Unbounded Resolution in Finite Player Goore Games Using Stochastic Automata, and Its Applications. <i>Sequential Analysis</i> , 2012 , 31, 190-218	0.7	3
232	Service selection in stochastic environments: a learning-automaton based solution. <i>Applied Intelligence</i> , 2012 , 36, 617-637	4.9	32
231	Discretized Bayesian Pursuit A New Scheme for Reinforcement Learning. <i>Lecture Notes in Computer Science</i> , 2012 , 784-793	0.9	12
230	An Adaptive Approach to Learning the Preferences of Users in a Social Network Using Weak Estimators. <i>Journal of Information Processing Systems</i> , 2012 , 8, 191-212		21
229	A Stochastic Search on the Line-Based Solution to Discretized Estimation. <i>Lecture Notes in Computer Science</i> , 2012 , 764-773	0.9	5
228	Optimal Anti-Bayesian Parametric Pattern Classification for the Exponential Family Using Order Statistics Criteria. <i>Lecture Notes in Computer Science</i> , 2012 , 11-18	0.9	6
227	Optimal Anti-Bayesian Parametric Pattern Classification Using Order Statistics Criteria. <i>Lecture Notes in Computer Science</i> , 2012 , 1-13	0.9	5
226	A Hierarchical Learning Scheme for Solving the Stochastic Point Location Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 774-783	0.9	3
225	A Fast Heuristic Solution for the Commons Game. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 81-90		
224	Modeling a Teacher in a Tutorial-like System Using Learning Automata. <i>Lecture Notes in Computer Science</i> , 2012 , 37-62	0.9	1
223	On the Pattern Recognition and Classification of Stochastically Episodic Events. <i>Lecture Notes in Computer Science</i> , 2012 , 1-35	0.9	2
222	The entire range of Chaotic pattern recognition properties possessed by the Adachi neural network1. <i>Intelligent Decision Technologies</i> , 2011 , 6, 27-41	0.7	3
221	Learning automata-based solutions to the optimal web polling problem modelled as a nonlinear fractional knapsack problem. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 1238-1251	7.2	6
220	A User-Centric Approach for Personalized Service Provisioning in Pervasive Environments. <i>Wireless Personal Communications</i> , 2011 , 61, 543-566	1.9	12
219	Imposing tree-based topologies onto self organizing maps. <i>Information Sciences</i> , 2011 , 181, 3798-3815	7.7	16
218	Anomaly Detection in Dynamic Systems Using Weak Estimators. <i>ACM Transactions on Internet Technology</i> , 2011 , 11, 1-16	3.8	23

217	Networking logistic neurons can yield chaotic and pattern recognition properties 2011 ,		3
216	On the Analysis of a Random Interleaving Walk-Jump Process with Applications to Testing. <i>Sequential Analysis</i> , 2011 , 30, 457-478	0.7	2
215	The Bayesian Pursuit Algorithm: A New Family of Estimator Learning Automata. <i>Lecture Notes in Computer Science</i> , 2011 , 522-531	0.9	10
214	Semi-Supervised Classification Using Tree-Based Self-Organizing Maps. <i>Lecture Notes in Computer Science</i> , 2011 , 21-30	0.9	2
213	Tracking the Preferences of Users Using Weak Estimators. <i>Lecture Notes in Computer Science</i> , 2011 , 799-808	0.9	2
212	Stochastic Learning-based Weak Estimation and Its Applications 2011 , 1-29		
211	Using Artificial Intelligence Techniques for Strategy Generation in the Commons Game. <i>Lecture Notes in Computer Science</i> , 2011 , 43-50	0.9	1
210	Generalized Bayesian Pursuit: A Novel Scheme for Multi-Armed Bernoulli Bandit Problems. <i>International Federation for Information Processing</i> , 2011 , 122-131		
209	On Merging the Fields of Neural Networks and Adaptive Data Structures to Yield New Pattern Recognition Methodologies. <i>Lecture Notes in Computer Science</i> , 2011 , 13-16	0.9	
208	A New Tool for the Modeling of AI and Machine Learning Applications: Random Walk-Jump Processes. <i>Lecture Notes in Computer Science</i> , 2011 , 11-21	0.9	
207	A New Frontier in Novelty Detection: Pattern Recognition of Stochastically Episodic Events. <i>Lecture Notes in Computer Science</i> , 2011 , 435-444	0.9	2
206	Use of amniotic membrane in dermatology. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2010 , 76, 196-7	0.8	5
205	Solving Stochastic Nonlinear Resource Allocation Problems Using a Hierarchy of Twofold Resource Allocation Automata. <i>IEEE Transactions on Computers</i> , 2010 , 59, 545-560	2.5	41
204	On utilizing association and interaction concepts for enhancing microaggregation in secure statistical databases. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 198-207		3
203	Modeling a student's behavior in a tutorial-like system using learning automata. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 481-92		19
202	Random early detection for congestion avoidance in wired networks: a discretized pursuit learning-automata-like solution. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 66-76		58
201	Modeling a student-classroom interaction in a tutorial-like system using learning automata. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 29-42		28
200	Solving multiconstraint assignment problems using learning automata. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 6-18		28

199	Chaotic and pattern recognition properties of a network of Logistic neurons 2010 ,		1
198	Recent advances in Learning Automata systems 2010 ,		7
197	An Enhanced Tree-Shaped Adachi-Like Chaotic Neural Network Requiring Linear-Time Computations 2010 ,		3
196	Optimal sampling for estimation with constrained resources using a learning automaton-based solution for the nonlinear fractional knapsack problem. <i>Applied Intelligence</i> , 2010 , 33, 3-20	4.9	13
195	Fault-tolerant routing in adversarial mobile ad hoc networks: an efficient route estimation scheme for non-stationary environments. <i>Telecommunication Systems</i> , 2010 , 44, 159-169	2.3	21
194	Multi-class pairwise linear dimensionality reduction using heteroscedastic schemes. <i>Pattern Recognition</i> , 2010 , 43, 2456-2465	7.7	9
193	Peptide classification using optimal and information theoretic syntactic modeling. <i>Pattern Recognition</i> , 2010 , 43, 3891-3899	7.7	2
192	A survey on statistical disclosure control and micro-aggregation techniques for secure statistical databases. <i>Software - Practice and Experience</i> , 2010 , 40, 1161-1188	2.5	13
191	A Learning Automata Based Solution to Service Selection in Stochastic Environments. <i>Lecture Notes in Computer Science</i> , 2010 , 209-218	0.9	3
190	Learning Automaton Based On-Line Discovery and Tracking of Spatio-temporal Event Patterns. <i>Lecture Notes in Computer Science</i> , 2010 , 327-338	0.9	2
189	Language Detection and Tracking in Multilingual Documents Using Weak Estimators. <i>Lecture Notes in Computer Science</i> , 2010 , 600-609	0.9	5
188	Potential AI Strategies to Solve the Commons Game: A Position Paper. <i>Lecture Notes in Computer Science</i> , 2010 , 352-356	0.9	1
187	On Optimizing Locally Linear Nearest Neighbour Reconstructions Using Prototype Reduction Schemes. <i>Lecture Notes in Computer Science</i> , 2010 , 153-163	0.9	
186	Adachi-like chaotic neural networks requiring linear-time computations by enforcing a tree-shaped topology. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 1797-809		8
185	An efficient pursuit automata approach for estimating stable all-pairs shortest paths in stochastic network environments. <i>International Journal of Communication Systems</i> , 2009 , 22, 441-468	1.7	14
184	Estimation of distributions involving unobservable events: the case of optimal search with unknown Target Distributions. <i>Pattern Analysis and Applications</i> , 2009 , 12, 37-53	2.3	5
183	On using prototype reduction schemes to enhance the computation of volume-based inter-class overlap measures. <i>Pattern Recognition</i> , 2009 , 42, 2695-2704	7.7	12
182	Learning Automata Based Intelligent Tutorial-like System. <i>Lecture Notes in Computer Science</i> , 2009 , 360-373		

181	Achieving microaggregation for secure statistical databases using fixed-structure partitioning-based learning automata. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 1192-205		15
180	Anomaly Detection in Dynamic Social Systems Using Weak Estimators 2009 ,		2
179	Cybernetics and Learning Automata 2009 , 221-235		25
178	On Using Adaptive Binary Search Trees to Enhance Self Organizing Maps. <i>Lecture Notes in Computer Science</i> , 2009 , 199-209	0.9	6
177	On Utilizing Optimal and Information Theoretic Syntactic Modeling for Peptide Classification. <i>Lecture Notes in Computer Science</i> , 2009 , 24-35	0.9	1
176	Learning Automata-Based Solutions to Stochastic Nonlinear Resource Allocation Problems. <i>Studies in Computational Intelligence</i> , 2009 , 1-30	0.8	
175	A Novel Multidimensional Scaling Technique for Mapping Word-Of-Mouth Discussions. <i>Studies in Computational Intelligence</i> , 2009 , 317-322	0.8	3
174	A Hierarchy of Twofold Resource Allocation Automata Supporting Optimal Sampling. <i>Lecture Notes in Computer Science</i> , 2009 , 523-534	0.9	2
173	On the Differences Between Discretized and Continuous Stochastic Systems as Demonstrated by Learning Automata 2009 , 2009, 1-10		
172	A solution to the stochastic point location problem in metalevel nonstationary environments. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 466-76		16
171	On using prototype reduction schemes to optimize kernel-based fisher discriminant analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 564-70		17
170	Spikes annihilation in the Hodgkin-Huxley neuron. <i>Biological Cybernetics</i> , 2008 , 98, 239-57	2.8	9
169	An efficient compression scheme for data communication which uses a new family of self-organizing binary search trees. <i>International Journal of Communication Systems</i> , 2008 , 21, 1091-1120 ^{1.7}		
168	On Enhancing Query Optimization in the Oracle Database System by Utilizing Attribute Cardinality Maps. <i>Lecture Notes in Business Information Processing</i> , 2008 , 38-71	0.6	
167	Chernoff-Based Multi-class Pairwise Linear Dimensionality Reduction. <i>Lecture Notes in Computer Science</i> , 2008 , 301-308	0.9	
166	An AI-Based Causal Strategy for Securing Statistical Databases Using Micro-aggregation. <i>Lecture Notes in Computer Science</i> , 2008 , 423-434	0.9	
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3	A Fault-Tolerant Routing Algorithm for Mobile Ad Hoc Networks Using a Stochastic Learning-Based Weak Estimation Procedure		13
2	Query result size estimation using the Trapezoidal Attribute Cardinality Map		2

1 Greedy adaptive Fano coding

3