

# Saman K Halgamuge

## List of Publications by Year in descending order

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179  
papers

8,133  
citations

94433

37  
h-index

53230

85  
g-index

183  
all docs

183  
docs citations

183  
times ranked

7816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing higher value roads to preserve species at risk by optimally controlling traffic flow. <i>Annals of Operations Research</i> , 2023, 320, 663-693.	4.1	1
2	Coordinated Charge and Discharge Scheduling of Electric Vehicles for Load Curve Shaping. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 7653-7665.	8.0	15
3	Classification of antiseizure drugs in cultured neuronal networks using multielectrode arrays and unsupervised learning. <i>Epilepsia</i> , 2022, , .	5.1	2
4	Multi-resolution, multi-horizon distributed solar PV power forecasting with forecast combinations. <i>Expert Systems With Applications</i> , 2022, 205, 117690.	7.6	12
5	Deep reinforcement learning for energy and time optimized scheduling of precedence-constrained tasks in edgeâ€œcloud computing environments. <i>Future Generation Computer Systems</i> , 2022, 137, 14-30.	7.5	27
6	Finding group Steiner trees in graphs with both vertex and edge weights. <i>Proceedings of the VLDB Endowment</i> , 2021, 14, 1137-1149.	3.8	9
7	Coordinated charging and discharging control of electric vehicles to manage supply voltages in distribution networks: Assessing the customer benefit. <i>Applied Energy</i> , 2021, 291, 116857.	10.1	34
8	Real-time conversion of inertial measurement unit data to ankle joint angles using deep neural networks. <i>Journal of Biomechanics</i> , 2021, 125, 110552.	2.1	10
9	QoE-Aware Traffic Aggregation Using Preference Logic for Edge Intelligence. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 6093-6106.	9.2	5
10	Feasibility and performance analysis of hybrid ground source heat pump systems in fourteen cities. <i>Energy</i> , 2021, 234, 121254.	8.8	24
11	Robustness of Visualization Methods in Preserving the Continuous and Discrete Latent Structures of High-Dimensional Single-Cell Data. , 2021, , .		2
12	Self-Organizing Nebulous Growths for Robust and Incremental Data Visualization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 4588-4602.	11.3	11
13	FAIR AI: A Conceptual Framework for Democratisation of 21st Century AI. , 2021, , .		0
14	From The International Space Station To Tropical Rainforests And Polar Ice Caps: Microbial Communities Foretell The Effects Of Climate Change. , 2021, , .		0
15	Characteristic profile. , 2021, 1, 95-106.		4
16	An Incentive-Compatible Energy Trading Framework for Neighborhood Area Networks With Shared Energy Storage. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 467-476.	8.8	85
17	A Survey of Algorithms for Distributed Charging Control of Electric Vehicles in Smart Grid. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 4497-4515.	8.0	123
18	IMPARO: inferring microbial interactions through parameter optimisation. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 34.	2.0	7

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19	A Decentralized Electric Vehicle Charge Scheduling Scheme for Tracking Power Profiles. , 2020, , .		7
20	A Physarum-Inspired Algorithm for Minimum-Cost Relay Node Placement in Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2020, 28, 681-694.	3.8	13
21	Multiobjective Evolution of Fuzzy Rough Neural Network via Distributed Parallelism for Stock Prediction. IEEE Transactions on Fuzzy Systems, 2020, 28, 939-952.	9.8	147
22	Extremum Seeking Control With Sporadic Packet Transmission for Networked Control Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 758-769.	3.7	4
23	Similarity of Continuous Optimization Problems from the Algorithm Performance Perspective. , 2019, , .		4
24	Minimum-Cost Heterogeneous Node Placement in Wireless Sensor Networks. IEEE Access, 2019, 7, 14847-14858.	4.2	10
25	ENVirT: inference of ecological characteristics of viruses from metagenomic data. BMC Bioinformatics, 2019, 19, 377.	2.6	2
26	Multi-Resolution Dynamic Programming for the Receding Horizon Control of Energy Storage. IEEE Transactions on Sustainable Energy, 2019, 10, 333-343.	8.8	6
27	A two-tiered unsupervised clustering approach for drug repositioning through heterogeneous data integration. BMC Bioinformatics, 2018, 19, 129.	2.6	16
28	Model predictive control for a solar assisted ground source heat pump system. Energy, 2018, 152, 974-984.	8.8	64
29	Optimal Operation of Energy Storage Systems Considering Forecasts and Battery Degradation. IEEE Transactions on Smart Grid, 2018, 9, 2086-2096.	9.0	109
30	Assessment of Gait Characteristics in Total Knee Arthroplasty Patients Using a Hierarchical Partial Least Squares Method. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 205-214.	6.3	12
31	The Value of Flexible Road Designs Through Ecologically Sensitive Areas. Lecture Notes in Management and Industrial Engineering, 2018, , 71-80.	0.4	2
32	Metaheuristic Algorithm Similarity Analysis Based on Performance Metric Mapping of Fractional Ranking. , 2018, , .		1
33	Optimizing the Operation of a Hybrid Solar Assisted Ground Source Heat Pump System. , 2018, , .		0
34	Comprehensive Insights Into Composition, Metabolic Potentials, and Interactions Among Archaeal, Bacterial, and Viral Assemblages in Meromictic Lake Shunet in Siberia. Frontiers in Microbiology, 2018, 9, 1763.	3.5	11
35	A Recursive Decomposition Method for Large Scale Continuous Optimization. IEEE Transactions on Evolutionary Computation, 2018, 22, 647-661.	10.0	139
36	Towards the stand-alone operation of data centers with free cooling and optimally sized hybrid renewable power generation and energy storage. Renewable and Sustainable Energy Reviews, 2018, 93, 451-472.	16.4	29

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37	Optimal road design through ecologically sensitive areas considering animal migration dynamics. Transportation Research Part C: Emerging Technologies, 2017, 77, 478-494.	7.6	30
38	A Review on efficient thermal management of air- and liquid-cooled data centers: From chip to the cooling system. Applied Energy, 2017, 205, 1165-1188.	10.1	301
39	Assessing Species Diversity Using Metavirome Data: Methods and Challenges. Computational and Structural Biotechnology Journal, 2017, 15, 447-455.	4.1	10
40	Positive-Unlabeled Learning for inferring drug interactions based on heterogeneous attributes. BMC Bioinformatics, 2017, 18, 140.	2.6	33
41	Quantifying Variable Interactions in Continuous Optimization Problems. IEEE Transactions on Evolutionary Computation, 2017, 21, 249-264.	10.0	38
42	Traffic Reduction in Packet Switched Networked Control Systems Using Deadband Error Modulation. IEEE Transactions on Automatic Control, 2017, 62, 4038-4043.	5.7	10
43	The importance of temporal resolution in evaluating residential energy storage. , 2017, , .		6
44	The node-weighted Steiner tree approach to identify elements of cancer-related signaling pathways. BMC Bioinformatics, 2017, 18, 551.	2.6	15
45	A Memetic Cooperative Co-evolution Model for Large Scale Continuous Optimization. Lecture Notes in Computer Science, 2017, , 291-300.	1.3	2
46	Deep Near Unsupervised Learning for Data Analysis in Metabolomics, Drug-Drug Interaction Discovery and Human Gait Recognition. , 2016, , .		0
47	Integrating Data-Driven Forecasting and Optimization to Improve the Operation of Distributed Energy Storage. , 2016, , .		0
48	Fast algorithms inspired by Physarum polycephalum for node weighted steiner tree problem with multiple terminals. , 2016, , .		10
49	Accounting for forecast uncertainty in the optimized operation of energy storage. , 2016, , .		3
50	Energy, environmental and economical saving potential of data centers with various economizers across Australia. Applied Energy, 2016, 183, 1528-1549.	10.1	42
51	Improving the on-line control of energy storage via forecast error metric customization. Journal of Energy Storage, 2016, 8, 51-59.	8.1	11
52	A Multiple Regression Approach to Normalization of Spatiotemporal Gait Features. Journal of Applied Biomechanics, 2016, 32, 128-139.	0.8	12
53	A physarum-inspired prize-collecting steiner tree approach to identify subnetworks for drug repositioning. BMC Systems Biology, 2016, 10, 128.	3.0	10
54	Keynote address: Data engineering meets health. , 2016, , .		0

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55	A multiple regression normalization approach to evaluation of gait in total knee arthroplasty patients. <i>Clinical Biomechanics</i> , 2016, 32, 92-101.	1.2	7
56	A new peak detection algorithm for MALDI mass spectrometry data based on a modified Asymmetric Pseudo-Voigt model. <i>BMC Genomics</i> , 2015, 16, S12.	2.8	7
57	Accurate reconstruction of viral quasispecies spectra through improved estimation of strain richness. <i>BMC Bioinformatics</i> , 2015, 16, S3.	2.6	3
58	EXIMS: an improved data analysis pipeline based on a new peak picking method for EXploring Imaging Mass Spectrometry data. <i>Bioinformatics</i> , 2015, 31, 3198-3206.	4.1	31
59	The effects of an ankle foot orthosis on cerebral palsy gait: A multiple regression analysis. , 2015, 2015, 5509-12.		2
60	Algorithm selection for black-box continuous optimization problems: A survey on methods and challenges. <i>Information Sciences</i> , 2015, 317, 224-245.	6.9	150
61	Inverse Dynamics of Multilink Cable-Driven Manipulators With the Consideration of Joint Interaction Forces and Moments. <i>IEEE Transactions on Robotics</i> , 2015, 31, 479-488.	10.3	41
62	Prokaryotic assemblages and metagenomes in pelagic zones of the South China Sea. <i>BMC Genomics</i> , 2015, 16, 219.	2.8	33
63	Classification of Parkinson's Disease Gait Using Spatial-Temporal Gait Features. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1794-1802.	6.3	163
64	Musculoskeletal Static Workspace Analysis of the Human Shoulder as a Cable-Driven Robot. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 978-984.	5.8	30
65	ViQuaS: an improved reconstruction pipeline for viral quasispecies spectra generated by next-generation sequencing. <i>Bioinformatics</i> , 2015, 31, 886-896.	4.1	33
66	Multi-objective efficiency enhancement using workload spreading in an operational data center. <i>Applied Energy</i> , 2015, 138, 432-444.	10.1	21
67	Exploratory Landscape Analysis of Continuous Space Optimization Problems Using Information Content. <i>IEEE Transactions on Evolutionary Computation</i> , 2015, 19, 74-87.	10.0	107
68	Cable Function Analysis for the Musculoskeletal Static Workspace of a Human Shoulder. <i>Mechanisms and Machine Science</i> , 2015, , 263-274.	0.5	7
69	Bioinformatics Pipelines for Targeted Resequencing and Whole-Exome Sequencing of Human and Mouse Genomes: A Virtual Appliance Approach for Instant Deployment. <i>PLoS ONE</i> , 2014, 9, e95217.	2.5	17
70	Hybrid optimization algorithms resembling the life cycles of organisms of Phylum Cnidaria. , 2014, , .		1
71	Knowledge discovery in biological big data using near unsupervised learning: Keynote presentation. , 2014, , .		0
72	On the selection of fitness landscape analysis metrics for continuous optimization problems. , 2014, , .		12

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73	Increasing the thermal efficiency of an operational data center using cold aisle containment. , 2014, , .		9
74	Inferring copy number and genotype in tumour exome data. BMC Genomics, 2014, 15, 732.	2.8	102
75	Optimum sizing and tracking of combined cooling heating and power systems for bulk energy consumers. Applied Energy, 2014, 118, 124-134.	10.1	31
76	A combined effect absorption chiller for enhanced performance of combined cooling heating and power systems. Applied Energy, 2014, 127, 239-248.	10.1	20
77	Unsupervised learning for exploring MALDI imaging mass spectrometry &#x2018;omics&#x2019; data. , 2014, , .		8
78	Changes in propagation delays for quantifying pharmacological effects on cortical cultures. , 2014, , .		1
79	Selecting an optimal combination of storage & transmission assets with a non-dispatchable electricity supply. , 2014, , .		1
80	Binning Sequences Using Very Sparse Labels Within a Metagenome. , 2014, , 1-13.		0
81	Microbial and viral metagenomes of a subtropical freshwater reservoir subject to climatic disturbances. ISME Journal, 2013, 7, 2374-2386.	9.8	81
82	CoNVEX: copy number variation estimation in exome sequencing data using HMM. BMC Bioinformatics, 2013, 14, S2.	2.6	61
83	Exploratory analysis of high-throughput metabolomic data. Metabolomics, 2013, 9, 1311-1320.	3.0	11
84	Generalized Modeling of Multilink Cable-Driven Manipulators With Arbitrary Routing Using the Cable-Routing Matrix. IEEE Transactions on Robotics, 2013, 29, 1102-1113.	10.3	83
85	Potential of air-side economizers for data center cooling: A case study for key Australian cities. Applied Energy, 2013, 104, 207-219.	10.1	103
86	Mathematical modeling and experimental verification of an absorption chiller including three dimensional temperature and concentration distributions. Applied Energy, 2013, 106, 232-242.	10.1	14
87	Event Triggered Adaptive Differential Modulation: A New Method for Traffic Reduction in Networked Control Systems. IEEE Transactions on Automatic Control, 2013, 58, 1696-1706.	5.7	60
88	The Algorithm Selection Problem on the Continuous Optimization Domain. Studies in Computational Intelligence, 2013, , 75-89.	0.9	19
89	Unsupervised discovery of microbial population structure within metagenomes using nucleotide base composition. Nucleic Acids Research, 2012, 40, e34-e34.	14.5	58
90	CONTRA: copy number analysis for targeted resequencing. Bioinformatics, 2012, 28, 1307-1313.	4.1	308

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91	Fast shortest path optimization inspired by shuttle streaming of Physarum polycephalum. , 2012, , .		9
92	Can a data center heat-flow model be scaled down?. , 2012, , .		9
93	Landscape characterization of numerical optimization problems using biased scattered data. , 2012, , .		17
94	Minimizing the thermal impact of computing equipment upgrades in data centers. Energy and Buildings, 2012, 50, 81-92.	6.7	36
95	A review on optimization strategies of combined cooling heating and power generation. , 2012, , .		2
96	Adaptive wireless sensor networks powered by hybrid energy harvesting for environmental monitoring. , 2012, , .		6
97	Enhanced thermal performance of absorption chillers fired by multiple dynamic heat sources. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1231-1238.	2.2	6
98	Decision tree ensembles for online operation of large smart grids. Energy Conversion and Management, 2012, 59, 9-18.	9.2	13
99	On the Task Specific Evaluation and Optimisation of Cable-Driven Manipulators. , 2012, , 707-716.		10
100	A Meta-learning Prediction Model of Algorithm Performance for Continuous Optimization Problems. Lecture Notes in Computer Science, 2012, , 226-235.	1.3	36
101	Management of Orphaned-Nodes in Wireless Sensor Networks for Smart Irrigation Systems. IEEE Transactions on Signal Processing, 2011, 59, 4909-4922.	5.3	17
102	Comparing two video-based techniques for driver fatigue detection: classification versus optical flow approach. Machine Vision and Applications, 2011, 22, 597-618.	2.7	22
103	Control period selection for improved operating performance in district heating networks. Energy and Buildings, 2011, 43, 605-613.	6.7	46
104	Wrench-Closure Workspace Generation for Cable Driven Parallel Manipulators Using a Hybrid Analytical-Numerical Approach. Journal of Mechanical Design, Transactions of the ASME, 2011, 133, .	2.9	51
105	An Online Power-Balancing Strategy for a Parallel Hybrid Electric Vehicle Assisted by an Integrated Starter Generator. IEEE Transactions on Vehicular Technology, 2010, 59, 2689-2699.	6.3	45
106	An on-time delivery improvement model for manufacturing organisations. International Journal of Production Research, 2010, 48, 2373-2394.	7.5	27
107	Gene functionality's influence on the second codon: A large-scale survey of second codon composition in three domains. Genomics, 2010, 96, 92-101.	2.9	7
108	Simplifying the Bacteria Foraging Optimization Algorithm. , 2010, , .		14

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109	The power grabbers. IEEE Power and Energy Magazine, 2010, 8, 46-53.	1.6	3
110	Dynamic Self-Organising Maps: Theory, Methods and Applications. Studies in Computational Intelligence, 2009, , 363-379.	0.9	6
111	Energy Efficient Sensor Scheduling with a Mobile Sink Node for the Target Tracking Application. Sensors, 2009, 9, 696-716.	3.8	8
112	The oligonucleotide frequency derived error gradient and its application to the binning of metagenome fragments. BMC Genomics, 2009, 10, S10.	2.8	20
113	Sensor Scheduling for Target Tracking by Suboptimal Algorithms. IEEE Transactions on Vehicular Technology, 2009, 58, 1467-1479.	6.3	23
114	Structure adaptation of hierarchical knowledge-based classifiers. Neural Computing and Applications, 2009, 18, 523-537.	5.6	1
115	The Rationale Behind Seeking Inspiration from Nature. Studies in Computational Intelligence, 2009, , 51-76.	0.9	11
116	Face Recognition by Extending Elastic Bunch Graph Matching with Particle Swarm Optimization. Journal of Multimedia, 2009, 4, .	0.3	16
117	Investigation of Average Mutual Information for Species Separation Using GSOM. Lecture Notes in Computer Science, 2009, , 42-49.	1.3	1
118	Energy Adaptive Sensor Scheduling for Noisy Sensor Measurements. Lecture Notes in Computer Science, 2009, , 187-200.	1.3	1
119	A comparative study of manufacturing practices and performance variables. International Journal of Production Economics, 2008, 112, 841-859.	8.9	72
120	Binning sequences using very sparse labels within a metagenome. BMC Bioinformatics, 2008, 9, 215.	2.6	74
121	Fast splice site detection using information content and feature reduction. BMC Bioinformatics, 2008, 9, S8.	2.6	28
122	Genome classification by gene distribution: An overlapping subspace clustering approach. BMC Evolutionary Biology, 2008, 8, 116.	3.2	10
123	Class structure visualization with semi-supervised growing self-organizing maps. Neurocomputing, 2008, 71, 3124-3130.	5.9	22
124	Support Vector Machine Integrated CCA for Classification of Complex Chemical Patterns. , 2008, , .		0
125	Empirical relationships between some manufacturing practices and performance. International Journal of Production Research, 2008, 46, 3583-3613.	7.5	66
126	Sensitivity-Based Hierarchical Controller Architectures for Active Suspension. IEEE Transactions on Control Systems Technology, 2008, 16, 103-112.	5.2	4



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127	Using Growing Self-Organising Maps to Improve the Binning Process in Environmental Whole-Genome Shotgun Sequencing. <i>Journal of Biomedicine and Biotechnology</i> , 2008, 2008, 1-10.	3.0	50
128	Information Theoretic Classification of Problems for Metaheuristics. <i>Lecture Notes in Computer Science</i> , 2008, , 319-328.	1.3	9
129	Mobile Sensor Management For Target Tracking. , 2007, , .		6
130	A Method for Evaluating Quality of Clustering DNA Fragments Encoded in Different Nucleotide Frequencies. , 2007, , .		1
131	Improving Training Speed of Support Vector Machines by Creating Exploitable Trends of Lagrangian Variables: An Application to DNA Splice Site Detection. , 2007, , .		0
132	Combining News and Technical Indicators in Daily Stock Price Trends Prediction. <i>Lecture Notes in Computer Science</i> , 2007, , 1087-1096.	1.3	53
133	Driver Fatigue Detection by Fusing Multiple Cues. <i>Lecture Notes in Computer Science</i> , 2007, , 801-809.	1.3	27
134	Using the Active Appearance Model to detect driver fatigue. , 2007, , .		14
135	Rigorous Analysis of Numerical Phase and Group Velocity Bounds in Yee's FDTD Grid. <i>IEEE Microwave and Wireless Components Letters</i> , 2007, 17, 556-558.	3.2	4
136	An optimized anti-lock braking system in the presence of multiple road surface types. <i>International Journal of Adaptive Control and Signal Processing</i> , 2007, 21, 477-498.	4.1	14
137	Fuel economy improvements for urban driving: Hybrid vs. intelligent vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2007, 15, 1-16.	7.6	125
138	Gabor wavelet similarity maps for optimising hierarchical road sign classifiers. <i>Pattern Recognition Letters</i> , 2007, 28, 260-267.	4.2	17
139	Gene function prediction based on genomic context clustering and discriminative learning: an application to bacteriophages. <i>BMC Bioinformatics</i> , 2007, 8, 56.	2.6	10
140	Polynomial kernel adaptation and extensions to the SVM classifier learning. <i>Neural Computing and Applications</i> , 2007, 17, 19-25.	5.6	5
141	Multiple Cluster Merging and Multihop Transmission in Wireless Sensor Networks. , 2007, , 89-99.		3
142	Optimized sink node path using particle swarm optimization. , 2006, , .		20
143	Analysis of SD sequences in completed microbial genomes: Non-SD-led genes are as common as SD-led genes. <i>Gene</i> , 2006, 373, 90-99.	2.2	109
144	Optimization of All SI Engine Combustion Control and Related Events for Efficiency. , 2006, , .		4

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145	Splice site identification using probabilistic parameters and SVM classification. BMC Bioinformatics, 2006, 7, S15.	2.6	93
146	A comparison of fuel consumption between hybrid and intelligent vehicles during urban driving. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2006, 220, 67-76.	1.9	12
147	Semi-supervised Learning of Dynamic Self-Organising Maps. Lecture Notes in Computer Science, 2006, , 915-924.	1.3	3
148	Scalable Dynamic Self-Organising Maps for Mining Massive Textual Data. Lecture Notes in Computer Science, 2006, , 260-267.	1.3	5
149	Optimal Weighting of Landmarks for Face Recognition. Journal of Multimedia, 2006, 1, .	0.3	9
150	An Extended Growing Self-Organizing Map for Selection of Clusters in Sensor Networks. International Journal of Distributed Sensor Networks, 2005, 1, 227-243.	2.2	21
151	Using Particle Swarm Optimisation for Elastic Bunch Graph Matching to Recognise Faces. , 2005, , .		0
152	Detection of Faulty Semiconductor Wafers using Dynamic Growing Self Organizing Map. , 2005, , .		4
153	Optimized rule-based delay proportion adjustment for proportional differentiated services. IEEE Journal on Selected Areas in Communications, 2005, 23, 261-276.	14.0	19
154	Particle Swarm Optimisation for Protein Motif Discovery. Genetic Programming and Evolvable Machines, 2004, 5, 203-214.	2.2	42
155	Stability of hierarchical fuzzy systems generated by Neuro-Fuzzy. Soft Computing, 2004, 8, 409-416.	3.6	3
156	Self-Organizing Hierarchical Particle Swarm Optimizer With Time-Varying Acceleration Coefficients. IEEE Transactions on Evolutionary Computation, 2004, 8, 240-255.	10.0	2,481
157	Intelligent fastening with Aâ€BOLTTM technology and sensor networks. Assembly Automation, 2004, 24, 386-393.	1.7	13
158	Approximate symbolic pattern matching for protein sequence data. International Journal of Approximate Reasoning, 2003, 32, 171-186.	3.3	7
159	Enhancement of topology preservation and hierarchical dynamic self-organising maps for data visualisation. International Journal of Approximate Reasoning, 2003, 32, 259-279.	3.3	34
160	Computationally advantageous and stable hierarchical fuzzy systems for active suspension. IEEE Transactions on Industrial Electronics, 2003, 50, 48-61.	7.9	38
161	An unsupervised hierarchical dynamic self-organizing approach to cancer class discovery and marker gene identification in microarray data. Bioinformatics, 2003, 19, 2131-2140.	4.1	80
162	Effects of search pattern variations in motif discovery algorithm: MotifFinder. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 501-506.	0.4	2

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163	Realtime classification with structure adapting neuro-fuzzy systems. Integrated Computer-Aided Engineering, 2003, 10, 357-367.	4.6	2
164	Protein motif extraction with neuro-fuzzy optimization. Bioinformatics, 2002, 18, 1084-1090.	4.1	40
165	Mining of Labeled Incomplete Data Using Fast Dimension Partitioning. Studies in Fuzziness and Soft Computing, 2001, , 191-216.	0.8	0
166	Dynamic self-organizing maps with controlled growth for knowledge discovery. IEEE Transactions on Neural Networks, 2000, 11, 601-614.	4.2	419
167	A trainable transparent universal approximator for defuzzification in Mamdani-type neuro-fuzzy controllers. IEEE Transactions on Fuzzy Systems, 1998, 6, 304-314.	9.8	22
168	Self-evolving neural networks for rule-based data processing. IEEE Transactions on Signal Processing, 1997, 45, 2766-2773.	5.3	26
169	Computer-aided design of fuzzy systems based on generic VHDL specifications. IEEE Transactions on Fuzzy Systems, 1996, 4, 403-417.	9.8	42
170	An alternative approach for generation of membership functions and fuzzy rules based on radial and cubic basis function networks. International Journal of Approximate Reasoning, 1995, 12, 279-298.	3.3	32
171	FUZZY NEURAL NETWORKS: BETWEEN FUNCTIONAL EQUIVALENCE AND APPLICABILITY. International Journal of Neural Systems, 1995, 06, 185-196.	5.2	20
172	A sub Bayesian nearest prototype neural network with fuzzy interpretability for diagnosis problems. , 1995, , .		2
173	Neural networks in designing fuzzy systems for real world applications. Fuzzy Sets and Systems, 1994, 65, 1-12.	2.7	221
174	A rule based prototype system for automatic classification in industrial quality control. , 0, , .		11
175	A comparison of constraint-handling methods for the application of particle swarm optimization to constrained nonlinear optimization problems. , 0, , .		74
176	Optimisation of valve timing events of internal combustion engines with particle swarm optimisation. , 0, , .		7
177	Clustering Sensor Networks Using Growing Self-Organising Map. , 0, , .		5
178	On the potential for-improving fuel economy using a traffic flow sensor network. , 0, , .		3
179	Optimised Landmark Model Matching for Face Recognition. , 0, , .		10