

Dianhui Wang

List of Publications by Year in descending order

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161
papers

5,644
citations

126708

33
h-index

85405

71
g-index

171
all docs

171
docs citations

171
times ranked

4372
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiview Spectral Clustering via Robust Subspace Segmentation. IEEE Transactions on Cybernetics, 2022, 52, 2467-2476.	6.2	10
2	Observer-Based Composite Adaptive Type-2 Fuzzy Control for PEMFC Air Supply Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 515-529.	6.5	11
3	Effective Deep Attributed Network Representation Learning With Topology Adapted Smoothing. IEEE Transactions on Cybernetics, 2022, 52, 5935-5946.	6.2	41
4	Graph convolutional autoencoders with co-learning of graph structure and node attributes. Pattern Recognition, 2022, 121, 108215.	5.1	11
5	Stochastic configuration network based cascade generalized predictive control of main steam temperature in power plants. Information Sciences, 2022, 587, 123-141.	4.0	14
6	Deep stochastic configuration networks with optimised model and hyper-parameters. Information Sciences, 2022, 600, 431-441.	4.0	10
7	Stochastic configuration networks for multi-dimensional integral evaluation. Information Sciences, 2022, 601, 323-339.	4.0	10
8	Incomplete multi-view clustering via local and global co-regularization. Science China Information Sciences, 2022, 65, .	2.7	1
9	Stochastic configuration networks for imbalanced data classification. International Journal of Machine Learning and Cybernetics, 2022, 13, 2843-2855.	2.3	3
10	Heterogeneous feature ensemble modeling with stochastic configuration networks for predicting furnace temperature of a municipal solid waste incineration process. Neural Computing and Applications, 2022, 34, 15807-15819.	3.2	5
11	Performance of soft sensors based on stochastic configuration networks with nonnegative garrote. Neural Computing and Applications, 2022, 34, 16061-16071.	3.2	4
12	Stochastic configuration networks for self-blast state recognition of glass insulators with adaptive depth and multi-scale representation. Information Sciences, 2022, 604, 61-79.	4.0	14
13	Robust stochastic configuration networks for industrial data modelling with Student's-t mixture distribution. Information Sciences, 2022, 607, 493-505.	4.0	13
14	Deep stochastic configuration networks with different random sampling strategies. Information Sciences, 2022, 607, 819-830.	4.0	9
15	Robust speed prediction of high-speed trains based on improved echo state networks. Neural Computing and Applications, 2021, 33, 2351-2367.	3.2	6
16	2-D Stochastic Configuration Networks for Image Data Analytics. IEEE Transactions on Cybernetics, 2021, 51, 359-372.	6.2	42
17	Data mining for energy systems: Review and prospect. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1406.	4.6	2
18	Stochastic configuration network ensembles with selective base models. Neural Networks, 2021, 137, 106-118.	3.3	20

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19	Cascade tracking control of servo motor with robust adaptive fuzzy compensation. Information Sciences, 2021, 569, 450-468.	4.0	15
20	Stochastic Configuration Networks Based Adaptive Storage Replica Management for Power Big Data Processing. IEEE Transactions on Industrial Informatics, 2020, 16, 373-383.	7.2	46
21	A hybrid regularization approach for random vector functional-link networks. Expert Systems With Applications, 2020, 140, 112912.	4.4	12
22	Adaptive robust control of oxygen excess ratio for PEMFC system based on type-2 fuzzy logic system. Information Sciences, 2020, 511, 1-17.	4.0	48
23	Distributed stochastic configuration networks with cooperative learning paradigm. Information Sciences, 2020, 540, 1-16.	4.0	15
24	Prediction of component concentrations in sodium aluminate liquor using stochastic configuration networks. Neural Computing and Applications, 2020, 32, 13625-13638.	3.2	32
25	Deep stacked stochastic configuration networks for lifelong learning of non-stationary data streams. Information Sciences, 2019, 495, 150-174.	4.0	45
26	Fuzzy rule-based models with randomized development mechanisms. Fuzzy Sets and Systems, 2019, 361, 71-87.	1.6	11
27	Enhancing semantic image retrieval with limited labeled examples via deep learning. Knowledge-Based Systems, 2019, 163, 252-266.	4.0	17
28	Improved randomized learning algorithms for imbalanced and noisy educational data classification. Computing (Vienna/New York), 2019, 101, 571-585.	3.2	9
29	Robust stochastic configuration networks with maximum correntropy criterion for uncertain data regression. Information Sciences, 2019, 473, 73-86.	4.0	35
30	Building feedforward neural networks with random weights for large scale datasets. Expert Systems With Applications, 2018, 106, 233-243.	4.4	18
31	Handling distributed XML queries over large XML data based on MapReduce framework. Information Sciences, 2018, 453, 1-20.	4.0	12
32	New Stability Criteria of Delayed Load Frequency Control Systems via Infinite-Series-Based Inequality. IEEE Transactions on Industrial Informatics, 2018, 14, 231-240.	7.2	75
33	Efficient saliency detection using convolutional neural networks with feature selection. Information Sciences, 2018, 456, 34-49.	4.0	20
34	Construction of prediction intervals using adaptive neurofuzzy inference systems. Applied Soft Computing Journal, 2018, 72, 579-586.	4.1	7
35	Virtual Unmodeled Dynamics Modeling for Nonlinear Multivariable Adaptive Control With Decoupling Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 342-353.	5.9	4
36	Nonlinear Decoupling Control With ANFIS-Based Unmodeled Dynamics Compensation for a Class of Complex Industrial Processes. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2352-2366.	7.2	14

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37	Data-Driven PID Controller and Its Application to Pulp Neutralization Process. IEEE Transactions on Control Systems Technology, 2018, 26, 828-841.	3.2	20
38	Bayesian Random Vector Functional-Link Networks for Robust Data Modeling. IEEE Transactions on Cybernetics, 2018, 48, 2049-2059.	6.2	26
39	Multi-ANFIS Model Based Synchronous Tracking Control of High-Speed Electric Multiple Unit. IEEE Transactions on Fuzzy Systems, 2018, 26, 1472-1484.	6.5	28
40	Pull-off adhesion prediction of variable thick overlay to the substrate. Automation in Construction, 2018, 85, 10-23.	4.8	38
41	Deep Stochastic Configuration Networks with Universal Approximation Property. , 2018, , .		38
42	Randomized mixture models for probability density approximation and estimation. Information Sciences, 2018, 467, 135-148.	4.0	7
43	A comprehensive survey on genetic algorithms for DNA motif prediction. Information Sciences, 2018, 466, 25-43.	4.0	24
44	Type theory based semantic verification for service composition in cloud computing environments. Information Sciences, 2018, 469, 101-118.	4.0	3
45	An Alternating Identification Algorithm for a Class of Nonlinear Dynamical Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1606-1617.	7.2	17
46	Randomness in neural networks: an overview. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1200.	4.6	175
47	Robust stochastic configuration networks with kernel density estimation for uncertain data regression. Information Sciences, 2017, 412-413, 210-222.	4.0	96
48	An improved algorithm for building self-organizing feedforward neural networks. Neurocomputing, 2017, 262, 28-40.	3.5	23
49	Insights into randomized algorithms for neural networks: Practical issues and common pitfalls. Information Sciences, 2017, 382-383, 170-178.	4.0	134
50	Case-based reasoning classifier based on learning pseudo metric retrieval. Expert Systems With Applications, 2017, 89, 91-98.	4.4	17
51	Stochastic configuration networks ensemble with heterogeneous features for large-scale data analytics. Information Sciences, 2017, 417, 55-71.	4.0	91
52	Real-time optimal control of tracking running for high-speed electric multiple unit. Information Sciences, 2017, 376, 202-215.	4.0	6
53	Stochastic Configuration Networks: Fundamentals and Algorithms. IEEE Transactions on Cybernetics, 2017, 47, 3466-3479.	6.2	379
54	A Randomized Algorithm for Prediction Interval Using RVFL Networks Ensemble. Lecture Notes in Computer Science, 2017, , 51-60.	1.0	3

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55	Industrial image classification using a randomized neural-net ensemble and feedback mechanism. Neurocomputing, 2016, 173, 708-714.	3.5	8
56	High dimensional data regression using Lasso model and neural networks with random weights. Information Sciences, 2016, 372, 505-517.	4.0	33
57	Editorial: Randomized algorithms for training neural networks. Information Sciences, 2016, 364-365, 126-128.	4.0	40
58	Assessing Short-Term Voltage Stability of Electric Power Systems by a Hierarchical Intelligent System. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1686-1696.	7.2	113
59	An iterative learning algorithm for feedforward neural networks with random weights. Information Sciences, 2016, 328, 546-557.	4.0	36
60	A decentralized training algorithm for Echo State Networks in distributed big data applications. Neural Networks, 2016, 78, 65-74.	3.3	102
61	A Further Study on Mining DNA Motifs Using Fuzzy Self-Organizing Maps. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 113-124.	7.2	7
62	Distributed music classification using Random Vector Functional-Link nets. , 2015, , .		28
63	Distributed learning for Random Vector Functional-Link networks. Information Sciences, 2015, 301, 271-284.	4.0	134
64	An improved multi-source based soft sensor for measuring cement free lime content. Information Sciences, 2015, 323, 94-105.	4.0	26
65	Guest Editorial: Special issue on computational intelligence for industrial data processing and analysis. Neurocomputing, 2015, 169, 358-360.	3.5	3
66	Trustworthiness evaluation and retrieval-based revision method for case-based reasoning classifiers. Expert Systems With Applications, 2015, 42, 8006-8013.	4.4	11
67	A probabilistic learning algorithm for robust modeling using neural networks with random weights. Information Sciences, 2015, 313, 62-78.	4.0	54
68	2-D regularized locality preserving projection algorithms for temporospatial feature reduction and its application in industrial data regression. Neurocomputing, 2015, 169, 373-382.	3.5	3
69	A local learning algorithm for random weights networks. Knowledge-Based Systems, 2015, 74, 159-166.	4.0	17
70	A fractional-order adaptive regularization primal-dual algorithm for image denoising. Information Sciences, 2015, 296, 147-159.	4.0	47
71	An adiabatic quantum algorithm and its application to DNA motif model discovery. Information Sciences, 2015, 296, 275-281.	4.0	0
72	Multisource Data Ensemble Modeling for Clinker Free Lime Content Estimate in Rotary Kiln Sintering Processes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 303-314.	5.9	38

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73	Quantum artificial neural networks with applications. <i>Information Sciences</i> , 2015, 290, 1-6.	4.0	27
74	Fast decorrelated neural network ensembles with random weights. <i>Information Sciences</i> , 2014, 264, 104-117.	4.0	163
75	Quadratically convex combination approach to stability of TÁS fuzzy systems with time-varying delay. <i>Journal of the Franklin Institute</i> , 2014, 351, 3752-3765.	1.9	46
76	Burning state recognition of rotary kiln using ELMs with heterogeneous features. <i>Neurocomputing</i> , 2013, 102, 144-153.	3.5	32
77	An optimal weight learning machine for handwritten digit image recognition. <i>Signal Processing</i> , 2013, 93, 1624-1638.	2.1	31
78	A Robust Elicitation Algorithm for Discovering DNA Motifs Using Fuzzy Self-Organizing Maps. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013, 24, 1677-1688.	7.2	14
79	Active control of friction self-excited vibration using neuro-fuzzy and data mining techniques. <i>Expert Systems With Applications</i> , 2013, 40, 975-983.	4.4	11
80	A robust adaptive neural networks controller for maritime dynamic positioning system. <i>Neurocomputing</i> , 2013, 110, 128-136.	3.5	95
81	Evolutionary extreme learning machine ensembles with size control. <i>Neurocomputing</i> , 2013, 102, 98-110.	3.5	88
82	Classification of bioinformatics dataset using finite impulse response extreme learning machine for cancer diagnosis. <i>Neural Computing and Applications</i> , 2013, 22, 457-468.	3.2	32
83	Estimation of effluent quality using PLS-based extreme learning machines. <i>Neural Computing and Applications</i> , 2013, 22, 509-519.	3.2	16
84	Fuzzy Approach for Semantic Face Image Retrieval. <i>Computer Journal</i> , 2012, 55, 1130-1145.	1.5	15
85	Flame Image-Based Burning State Recognition for Sintering Process of Rotary Kiln Using Heterogeneous Features and Fuzzy Integral. <i>IEEE Transactions on Industrial Informatics</i> , 2012, 8, 780-790.	7.2	62
86	Robust Single-Hidden Layer Feedforward Network-Based Pattern Classifier. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012, 23, 1974-1986.	7.2	39
87	Predicting mill load using partial least squares and extreme learning machines. <i>Soft Computing</i> , 2012, 16, 1585-1594.	2.1	15
88	Computational localization of transcription factor binding sites using extreme learning machines. <i>Soft Computing</i> , 2012, 16, 1595-1606.	2.1	2
89	MISCORE: a new scoring function for characterizing DNA regulatory motifs in promoter sequences. <i>BMC Systems Biology</i> , 2012, 6, S4.	3.0	10
90	Machine learning approach for face image retrieval. <i>Neural Computing and Applications</i> , 2012, 21, 683-694.	3.2	6

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91	Global Convergence of Online BP Training With Dynamic Learning Rate. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 330-341.	7.2	69
92	A new robust training algorithm for a class of single-hidden layer feedforward neural networks. Neurocomputing, 2011, 74, 2491-2501.	3.5	50
93	Predicting the probability of ice storm damages to electricity transmission facilities based on ELM and Copula function. Neurocomputing, 2011, 74, 2573-2581.	3.5	16
94	Advances in extreme learning machines (ELM2010). Neurocomputing, 2011, 74, 2411-2412.	3.5	22
95	Automatic localization and annotation of facial features using machine learning techniques. Soft Computing, 2011, 15, 1231-1245.	2.1	2
96	Extreme learning machines: a survey. International Journal of Machine Learning and Cybernetics, 2011, 2, 107-122.	2.3	1,625
97	SOMEA: self-organizing map based extraction algorithm for DNA motif identification with heterogeneous model. BMC Bioinformatics, 2011, 12, S16.	1.2	18
98	Active control of friction-induced self-excited vibration using adaptive fuzzy systems. Journal of Sound and Vibration, 2011, 330, 4201-4210.	2.1	17
99	Extraction and Adaptation of Fuzzy Rules for Friction Modeling and Control Compensation. IEEE Transactions on Fuzzy Systems, 2011, 19, 682-693.	6.5	49
100	Classification of microarray datasets using finite impulse response extreme learning machine for cancer diagnosis. , 2011, , .		5
101	A modified ELM algorithm for single-hidden layer feedforward neural networks with linear nodes. , 2011, , .		11
102	iGAPK: Improved GAPK Algorithm for Regulatory DNA Motif Discovery. Lecture Notes in Computer Science, 2010, , 217-225.	1.0	4
103	SOMIX: Motifs Discovery in Gene Regulatory Sequences Using Self-Organizing Maps. Lecture Notes in Computer Science, 2010, , 242-249.	1.0	1
104	A Self-Adaptive RBF Neural Network Classifier for Transformer Fault Analysis. IEEE Transactions on Power Systems, 2010, 25, 1350-1360.	4.6	109
105	Fuzzy filtering systems for performing environment improvement of computational DNA motif discovery. , 2010, , .		1
106	Computational discovery of regulatory DNA motifs using evolutionary computation. , 2010, , .		1
107	Mining Regulatory Elements in Non-coding Regions of Arabidopsis thaliana. Communications in Computer and Information Science, 2010, , 94-105.	0.4	0
108	GAPK: Genetic algorithms with prior knowledge for motif discovery in DNA sequences. , 2009, , .		10

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109	Optimization of MISCORE-Based Motif Identification Systems. , 2009, , .		1
110	Modeling and control compensation of nonlinear friction using adaptive fuzzy systems. Mechanical Systems and Signal Processing, 2009, 23, 2445-2457.	4.4	38
111	Overlap-Based Similarity Metrics for Motif Search in DNA Sequences. Lecture Notes in Computer Science, 2009, , 465-474.	1.0	1
112	An Improved Genetic Algorithm for DNA Motif Discovery with Public Domain Information. Lecture Notes in Computer Science, 2009, , 521-528.	1.0	2
113	Intelligent Face Image Retrieval Using Eigenpixels and Learning Similarity Metrics. Lecture Notes in Computer Science, 2009, , 792-799.	1.0	0
114	Computational Discovery of Motifs Using Hierarchical Clustering Techniques. , 2008, , .		6
115	Feature Extraction for Face Image Retrieval. , 2008, , .		0
116	Modeling performance enhancement with constrained linear filters. , 2008, , .		0
117	Improved generalization of neural classifiers with enforced internal representation. Neurocomputing, 2007, 70, 2940-2952.	3.5	19
118	A structure-based approach for multimedia information filtering. Multimedia Tools and Applications, 2006, 29, 73-89.	2.6	2
119	Learning Based Neural Similarity Metrics for Multimedia Data Mining. Soft Computing, 2006, 11, 335-340.	2.1	18
120	A neuro-fuzzy approach for diagnosis of antibody deficiency syndrome. Neurocomputing, 2006, 69, 969-974.	3.5	53
121	Hardware- software partitioning of real-time operating systems using Hopfield neural networks. Neurocomputing, 2006, 69, 2379-2384.	3.5	10
122	Optimal Coalition Structure Based on Particle Swarm Optimization Algorithm in Multi-Agent System. , 2006, , .		3
123	ELM-based Multiple Classifier Systems. , 2006, , .		5
124	Extraction of classification rules characterized by ellipsoidal regions using soft-computing techniques. International Journal of Systems Science, 2006, 37, 969-980.	3.7	2
125	Data Mining for Building Rule-based Fault Diagnosis Systems. , 2006, , .		0
126	Neurocomputing for Minimizing Energy Consumption of Real-Time Operating System in the System-on-a-Chip. Lecture Notes in Computer Science, 2006, , 1189-1198.	1.0	0

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127	Learning similarity for semantic images classification. Neurocomputing, 2005, 67, 363-368.	3.5	11
128	Learning Pseudo Metric for Intelligent Multimedia Data Classification and Retrieval. Journal of Intelligent Manufacturing, 2005, 16, 575-586.	4.4	9
129	Semantics modeling based image retrieval system using neural networks. , 2005, , .		4
130	Neural Classification of E.coli Promoters Using Selected DNA Profiles. , 2005, , 51-60.		2
131	E-Coli Promoter Recognition Using Neural Networks with Feature Selection. Lecture Notes in Computer Science, 2005, , 61-70.	1.0	1
132	Learning Pseudo Metric for Multimedia Data Classification and Retrieval. Lecture Notes in Computer Science, 2004, , 1051-1057.	1.0	3
133	SVM Classification for Discriminating Cardiovascular Disease Patients from Non-cardiovascular Disease Controls Using Pulse Waveform Variability Analysis. Lecture Notes in Computer Science, 2004, , 109-119.	1.0	8
134	Structural properties and poles assignability of LTI singular systems under output feedback. Automatica, 2003, 39, 685-692.	3.0	27
135	On impulsive modes of linear singular systems subject to decentralized output feedback. IEEE Transactions on Automatic Control, 2003, 48, 1804-1809.	3.6	13
136	Learning to Survive: Increased Learning Rates by Communication in a Multi-agent System. Lecture Notes in Computer Science, 2003, , 601-611.	1.0	4
137	Robustness for Evaluating Ruleâ€™s Generalization Capability in Data Mining. Lecture Notes in Computer Science, 2003, , 699-709.	1.0	4
138	Token Identification Using HMM and PPM Models. Lecture Notes in Computer Science, 2003, , 173-185.	1.0	2
139	Theoretical Foundation for Nonlinear Edge-Preserving Regularized Learning Image Restoration. Lecture Notes in Computer Science, 2002, , 693-703.	1.0	2
140	Algebraic properties of singular systems subject to decentralized output feedback. IEEE Transactions on Automatic Control, 2002, 47, 1898-1903.	3.6	6
141	Protein Sequences Classification Using Modular RBF Neural Networks. Lecture Notes in Computer Science, 2002, , 477-486.	1.0	8
142	Trading off between Misclassification, Recognition and Generalization in Data Mining with Continuous Features. Lecture Notes in Computer Science, 2002, , 303-313.	1.0	4
143	<title>Extraction and optimization of classification rules for continuous or mixed-mode data using neural nets</title>. , 2001, , .		2
144	An Edge-Preserving Image Reconstruction Using Neural Network. Journal of Mathematical Imaging and Vision, 2001, 14, 117-130.	0.8	4

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145	Edge-preserved neural network model for image restoration. Journal of Electronic Imaging, 2001, 10, 735.	0.5	3
146	Enhancing the estimation of plant Jacobian for adaptive neural inverse control. Neurocomputing, 2000, 34, 99-115.	3.5	23
147	On regularizing singular systems by decentralized output feedback. IEEE Transactions on Automatic Control, 1999, 44, 148-152.	3.6	43
148	Rank of matrix pencils at infinity and its applications in descriptor systems. , 1997, , .		4
149	Robustness of uncertain descriptor systems. , 1997, , .		0
150	Edge-preserving nonlinear image restoration using adaptive components-based radial basis function neural networks. , 0, , .		2
151	Heuristic rule based neuro-fuzzy approach for adaptive buffer management for Internet-based computing. , 0, , .		3
152	An adaptive buffer management algorithm for enhancing dependability and performance in mobile-object-based real-time computing. , 0, , .		11
153	Design and analysis of one-step-ahead adaptive neural predictive controller. , 0, , .		0
154	Protein sequences classification using radial basis function (RBF) neural networks. , 0, , .		5
155	Data mining for constructing ellipsoidal fuzzy classifier with various input features using GRBF neural networks. , 0, , .		1
156	Pattern learning based image restoration using neural networks. , 0, , .		1
157	Data mining for building neural protein sequence classification systems with improved performance. , 0, , .		2
158	Learning similarity for image retrieval with locally spatial information feedback. , 0, , .		1
159	Effect of non-target examples on e.coli promoters recognition using neural networks. , 0, , .		0
160	Multimedia Data Mining for Building Rule-Based Image Retrieval Systems. , 0, , .		0
161	Protein sequence classification using extreme learning machine. , 0, , .		35