

# Jian Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,609  
citations

147801

31  
h-index

206112

48  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional Approximation of Broad Learning System. IEEE Transactions on Cybernetics, 2024, 54, 811-824.	9.5	10
2	An Input Weights Dependent Complex-Valued Learning Algorithm Based on Wirtinger Calculus. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2920-2932.	9.3	19
3	Affine Transformation-Enhanced Multifactorial Optimization for Heterogeneous Problems. IEEE Transactions on Cybernetics, 2022, 52, 6217-6231.	9.5	60
4	A review on extreme learning machine. Multimedia Tools and Applications, 2022, 81, 41611-41660.	3.9	143
5	An Enhanced Fractional Least Mean Square Filter Encountering the Specific Unknown System Vector. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1912-1916.	3.0	17
6	Sensitivity analysis of Takagi-Sugeno fuzzy neural network. Information Sciences, 2022, 582, 725-749.	6.9	40
7	Training effective deep reinforcement learning agents for real-time life-cycle production optimization. Journal of Petroleum Science and Engineering, 2022, 208, 109766.	4.2	84
8	A radial basis function surrogate model assisted evolutionary algorithm for high-dimensional expensive optimization problems. Applied Soft Computing Journal, 2022, 116, 108353.	7.2	35
9	A novel hybrid recurrent convolutional network for surrogate modeling of history matching and uncertainty quantification. Journal of Petroleum Science and Engineering, 2022, 210, 110109.	4.2	17
10	A distributed surrogate system assisted differential evolutionary algorithm for computationally expensive history matching problems. Journal of Petroleum Science and Engineering, 2022, 210, 110029.	4.2	7
11	Bilateral sensitivity analysis: a better understanding of a neural network. International Journal of Machine Learning and Cybernetics, 2022, 13, 2135-2152.	3.6	27
12	Unsupervised feature selection via adaptive autoencoder with redundancy control. Neural Networks, 2022, 150, 87-101.	5.9	47
13	A Cluster-Based Competitive Particle Swarm Optimizer with a Sparse Truncation Operator for Multi-Objective Optimization. Swarm and Evolutionary Computation, 2022, 71, 101083.	8.1	40
14	A modified interval type-2 Takagi-Sugeno fuzzy neural network and its convergence analysis. Pattern Recognition, 2022, 131, 108861.	8.1	31
15	Nonstationary fuzzy neural network based on FCMnet clustering and a modified CG method with Armijo-type rule. Information Sciences, 2022, 608, 313-338.	6.9	35
16	Support Vector Machine-Based Model for 2.5-5.2 GHz CMOS Power Amplifier. Micromachines, 2022, 13, 1012.	2.9	5
17	Fractional-Order Retinex for Adaptive Contrast Enhancement of Under-Exposed Traffic Images. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 149-159.	3.8	8
18	Convergence and objective functions of noise-injected multilayer perceptrons with hidden multipliers. Neurocomputing, 2021, 452, 796-812.	5.9	29

#	ARTICLE	IF	CITATIONS
19	Efficient hierarchical surrogate-assisted differential evolution for high-dimensional expensive optimization. Information Sciences, 2021, 542, 228-246.	6.9	48
20	Multifidelity Genetic Transfer: An Efficient Framework for Production Optimization. SPE Journal, 2021, 26, 1614-1635.	3.1	53
21	A Slime Mold Fractional-Order Ant Colony Optimization Algorithm for Travelling Salesman Problems. Lecture Notes in Computer Science, 2021, , 322-332.	1.3	4
22	History Matching of Naturally Fractured Reservoirs Using a Deep Sparse Autoencoder. SPE Journal, 2021, 26, 1700-1721.	3.1	72
23	Feature Selection Using a Neural Network With Group Lasso Regularization and Controlled Redundancy. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1110-1123.	11.3	71
24	Prediction of Field Saturations Using a Fully Convolutional Network Surrogate. SPE Journal, 2021, , 1-13.	3.1	15
25	A modified conjugate gradient-based Elman neural network. Cognitive Systems Research, 2021, 68, 62-72.	2.7	8
26	Self-adaptive multifactorial evolutionary algorithm for multitasking production optimization. Journal of Petroleum Science and Engineering, 2021, 205, 108900.	4.2	11
27	A global neural network learning machine: Coupled integer and fractional calculus operator with an adaptive learning scheme. Neural Networks, 2021, 143, 386-399.	5.9	32
28	A double-model differential evolution for constrained waterflooding production optimization. Journal of Petroleum Science and Engineering, 2021, 207, 109059.	4.2	10
29	Redundancy-Controlled Feature Selection for Fuzzy Neural Networks. , 2021, , .		0
30	Convergence of a modified gradient-based learning algorithm with penalty for single-hidden-layer feed-forward networks. Neural Computing and Applications, 2020, 32, 2445-2456.	5.6	21
31	Feature Selection for Neural Networks Using Group Lasso Regularization. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 659-673.	5.7	113
32	Image steganalysis based on convolutional neural network and feature selection. Concurrency Computation Practice and Experience, 2020, 32, e5469.	2.2	3
33	Learning Optimized Structure of Neural Networks by Hidden Node Pruning With $L_{1}$ Regularization. IEEE Transactions on Cybernetics, 2020, 50, 1333-1346.	9.5	55
34	Multiscale-Network Structure Inversion of Fractured Media Based on a Hierarchical-Parameterization and Data-Driven Evolutionary-Optimization Method. SPE Journal, 2020, 25, 2729-2748.	3.1	23
35	Fractional-order global optimal backpropagation machine trained by an improved fractional-order steepest descent method. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 809-833.	2.6	28
36	Surrogate-assisted differential evolution for production optimization with nonlinear state constraints. Journal of Petroleum Science and Engineering, 2020, 194, 107441.	4.2	15

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37	A topology-based single-pool decomposition framework for large-scale global optimization. Applied Soft Computing Journal, 2020, 92, 106295.	7.2	14
38	A recalling-enhanced recurrent neural network: Conjugate gradient learning algorithm and its convergence analysis. Information Sciences, 2020, 519, 273-288.	6.9	54
39	Conjugate gradient-based Takagi-Sugeno fuzzy neural network parameter identification and its convergence analysis. Neurocomputing, 2019, 364, 168-181.	5.9	30
40	Construction and optimization of adaptive well pattern based on reservoir anisotropy and uncertainty. Journal of Petroleum Science and Engineering, 2019, 181, 106252.	4.2	12
41	Unsupervised Feature Selection Using RBF Autoencoder. Lecture Notes in Computer Science, 2019, , 48-57.	1.3	1
42	Use of Overlapping Group LASSO Sparse Deep Belief Network to Discriminate Parkinson's Disease and Normal Control. Frontiers in Neuroscience, 2019, 13, 396.	2.8	24
43	Fully complex conjugate gradient-based neural networks using Wirtinger calculus framework: Deterministic convergence and its application. Neural Networks, 2019, 115, 50-64.	5.9	34
44	Weight Noise Injection-Based MLPs With Group Lasso Penalty: Asymptotic Convergence and Application to Node Pruning. IEEE Transactions on Cybernetics, 2019, 49, 4346-4364.	9.5	35
45	An Improved Ant Colony Optimization Algorithm Based on Fractional Order Memory for Traveling Salesman Problems. , 2019, , .		6
46	A Novel Pruning Algorithm for Smoothing Feedforward Neural Networks Based on Group Lasso Method. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2012-2024.	11.3	74
47	A novel conjugate gradient method with generalized Armijo search for efficient training of feedforward neural networks. Neurocomputing, 2018, 275, 308-316.	5.9	45
48	Structure Optimization of Neural Networks with $L_{\infty}$ Regularization on Gates. , 2018, , .		2
49	A New Parameter Identification Method for Type-1 TS Fuzzy Neural Network. Lecture Notes in Computer Science, 2018, , 200-207.	1.3	1
50	A Polak-Ribière-Polyak Conjugate Gradient-Based Neuro-Fuzzy Network and its Convergence. IEEE Access, 2018, 6, 41551-41565.	4.2	14
51	Fully Complex-Valued Wirtinger Conjugate Neural Networks with Generalized Armijo Search. Lecture Notes in Computer Science, 2018, , 123-133.	1.3	0
52	A parallel feature selection method study for text classification. Neural Computing and Applications, 2017, 28, 513-524.	5.6	18
53	A new method for rock brittleness evaluation in tight oil formation from conventional logs and petrophysical data. Journal of Petroleum Science and Engineering, 2017, 151, 169-182.	4.2	28
54	Fractional-order gradient descent learning of BP neural networks with Caputo derivative. Neural Networks, 2017, 89, 19-30.	5.9	128

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55	Convergence analyses on sparse feedforward neural networks via group lasso regularization. Information Sciences, 2017, 381, 250-269.	6.9	36
56	Convergence Analysis of Caputo-Type Fractional Order Complex-Valued Neural Networks. IEEE Access, 2017, 5, 14560-14571.	4.2	21
57	Convergence analysis of BP neural networks via sparse response regularization. Applied Soft Computing Journal, 2017, 61, 354-363.	7.2	43
58	A Caputo-Type Fractional-Order Gradient Descent Learning of BP Neural Networks. Lecture Notes in Computer Science, 2017, , 547-554.	1.3	6
59	An Efficient Algorithm for Complex-Valued Neural Networks Through Training Input Weights. Lecture Notes in Computer Science, 2017, , 150-159.	1.3	2
60	An Improved Conjugate Gradient Neural Networks Based on a Generalized Armijo Search Method. Lecture Notes in Computer Science, 2017, , 131-139.	1.3	0
61	An Efficient Approach for Real-Time Prediction of Rate of Penetration in Offshore Drilling. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	44
62	A Conjugate Gradient-Based Efficient Algorithm for Training Single-Hidden-Layer Neural Networks. Lecture Notes in Computer Science, 2016, , 470-478.	1.3	0
63	Brittleness index prediction in shale gas reservoirs based on efficient network models. Journal of Natural Gas Science and Engineering, 2016, 35, 673-685.	4.4	29
64	Boundedness and convergence analysis of weight elimination for cyclic training of neural networks. Neural Networks, 2016, 82, 49-61.	5.9	18
65	Application of extreme learning machine and neural networks in total organic carbon content prediction in organic shale with wire line logs. Journal of Natural Gas Science and Engineering, 2016, 33, 687-702.	4.4	100
66	Convergence Analysis of Inverse Iterative Neural Networks with L2 Penalty. MEDICRIT Revista De Medicina Cratica, 2016, 8, 85-98.	0.1	1
67	Convergence Analysis of Multilayer Feedforward Networks Trained with Penalty Terms: A Review. MEDICRIT Revista De Medicina Cratica, 2015, 7, 89-103.	0.1	3
68	Relaxed conditions for convergence of batch BPAP for feedforward neural networks. Neurocomputing, 2015, 153, 174-179.	5.9	11
69	Parallel Feature Selection Based on MapReduce. Lecture Notes in Electrical Engineering, 2014, , 299-306.	0.4	13
70	A modified gradient learning algorithm with smoothing L1/2 regularization for TakagiSugeno fuzzy models. Neurocomputing, 2014, 138, 229-237.	5.9	17
71	A pruning algorithm with L 1/2 regularizer for extreme learning machine. Journal of Zhejiang University: Science C, 2014, 15, 119-125.	0.7	13
72	Review and performance comparison of SVM- and ELM-based classifiers. Neurocomputing, 2014, 128, 507-516.	5.9	169

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73	Batch gradient method with smoothing regularization for training of feedforward neural networks. Neural Networks, 2014, 50, 72-78.	5.9	53
74	Data intensive parallel feature selection method study. , 2014, , .		11
75	Boundedness of Weight Elimination for BP Neural Networks. Lecture Notes in Computer Science, 2014, , 155-165.	1.3	1
76	Computational properties and convergence analysis of BPNN for cyclic and almost cyclic learning with penalty. Neural Networks, 2012, 33, 127-135.	5.9	36
77	Computational Properties of Cyclic and Almost-Cyclic Learning with Momentum for Feedforward Neural Networks. Lecture Notes in Computer Science, 2012, , 545-554.	1.3	0
78	Boundedness and convergence of MPN for cyclic and almost cyclic learning with penalty. , 2011, , .		5
79	Deterministic convergence of conjugate gradient method for feedforward neural networks. Neurocomputing, 2011, 74, 2368-2376.	5.9	45
80	Convergence analysis of online gradient method for BP neural networks. Neural Networks, 2011, 24, 91-98.	5.9	134
81	Convergence of Cyclic and Almost-Cyclic Learning With Momentum for Feedforward Neural Networks. IEEE Transactions on Neural Networks, 2011, 22, 1297-1306.	4.2	42