Jianhua Dai

List of Publications by Year in descending order

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111 papers	3,567 citations	168829 31 h-index	175968 55 g-index
111 all docs	111 docs citations	111 times ranked	1784 citing authors

#	Article	IF	Citations
1	A Segmented Variable-Parameter ZNN for Dynamic Quadratic Minimization With Improved Convergence and Robustness. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2413-2424.	7.2	2
2	Design and Analysis of a Self-Adaptive Zeroing Neural Network for Solving Time-Varying Quadratic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7135-7144.	7.2	9
3	ZNN With Fuzzy Adaptive Activation Functions and Its Application to Time-Varying Linear Matrix Equation. IEEE Transactions on Industrial Informatics, 2022, 18, 2560-2570.	7.2	12
4	Fuzzy Measures and Choquet Integrals Based on Fuzzy Covering Rough Sets. IEEE Transactions on Fuzzy Systems, 2022, 30, 2360-2374.	6.5	31
5	Performance Analysis and Applications of Finite-Time ZNN Models With Constant/Fuzzy Parameters for TVQPEI. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6665-6676.	7.2	9
6	Design and Analysis of a Hybrid GNN-ZNN Model With a Fuzzy Adaptive Factor for Matrix Inversion. IEEE Transactions on Industrial Informatics, 2022, 18, 2434-2442.	7.2	15
7	A survey of circular RNAs in complex diseases: databases, tools and computational methods. Briefings in Bioinformatics, 2022, 23, .	3.2	9
8	Zeroing Neural Network for Time-Varying Linear Equations With Application to Dynamic Positioning. IEEE Transactions on Industrial Informatics, 2022, 18, 1552-1561.	7.2	14
9	A Variable-Parameter Noise-Tolerant Zeroing Neural Network for Time-Variant Matrix Inversion With Guaranteed Robustness. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1535-1545.	7.2	16
10	Application of Two Fuzzy Logic Systems to Complex-Type ZNN Models for the Drazin Inverse of Time-Dependent Complex-Value Matrix. IEEE Transactions on Fuzzy Systems, 2022, 30, 3685-3694.	6.5	6
11	The Criterion-Oriented Three-Way Ranking and Clustering Strategies in Fuzzy Decision Environments. IEEE Transactions on Fuzzy Systems, 2022, 30, 3841-3856.	6.5	24
12	The selection of feasible strategies based on consistency measurement of cliques. Information Sciences, 2022, 583, 33-55.	4.0	13
13	Redefined fuzzy rough set models in fuzzy Î²-covering group approximation spaces. Fuzzy Sets and Systems, 2022, 442, 109-154.	1.6	11
14	A new parallel algorithm for computing formal concepts based on two parallel stages. Information Sciences, 2022, 586, 514-524.	4.0	6
15	A new three-way multi-criteria decision-making method with fuzzy complementary preference relations based on additive consistency. Information Sciences, 2022, 592, 277-305.	4.0	13
16	Comprehensive fuzzy concept-oriented three-way decision and its application. Information Sciences, 2022, 593, 233-270.	4.0	7
17	A fuzzy adaptive zeroing neural network with superior finite-time convergence for solving time-variant linear matrix equations. Knowledge-Based Systems, 2022, 242, 108405.	4.0	18
18	Computing formal concepts in parallel via a workload rebalance approach. International Journal of Machine Learning and Cybernetics, 2022, 13, 2637-2648.	2.3	1

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19	A novel multi-attribute decision-making method based on neighborhood approximations and its application. Expert Systems With Applications, 2022, 199, 116946.	4.4	7
20	Three-way multi-criteria group decision-making method in a fuzzy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si381.svg"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>-covering group approximation space. Information Sciences, 2022, 599, 1-24.	4.0	18
21	Semi-supervised attribute reduction for interval data based on misclassification cost. International Journal of Machine Learning and Cybernetics, 2022, 13, 1739-1750.	2.3	7
22	Local Feature Selection for Large-scale Data Sets Limited Labels. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-12.	4.0	7
23	SGFNNs: Signed Graph Filtering-based Neural Networks for Predicting Drugâ€“Drug Interactions. Journal of Computational Biology, 2022, 29, 1104-1116.	0.8	0
24	Novel fuzzy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si366.svg"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>-covering rough set models and their applications. Information Sciences, 2022, 608, 286-312.	4.0	27
25	A novel TOPSIS method with decision-theoretic rough fuzzy sets. Information Sciences, 2022, 608, 1221-1244.	4.0	21
26	A Noise-Enduring and Finite-Time Zeroing Neural Network for Equality-Constrained Time-Varying Nonlinear Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4729-4740.	5.9	31
27	A Novel Fuzzy-Power Zeroing Neural Network Model for Time-Variant Matrix Mooreâ€“Penrose Inversion With Guaranteed Performance. IEEE Transactions on Fuzzy Systems, 2021, 29, 2603-2611.	6.5	19
28	Design and Application of an Adaptive Fuzzy Control Strategy to Zeroing Neural Network for Solving Time-Variant QP Problem. IEEE Transactions on Fuzzy Systems, 2021, 29, 1544-1555.	6.5	55
29	Comprehensive Analysis of a New Varying Parameter Zeroing Neural Network for Time Varying Matrix Inversion. IEEE Transactions on Industrial Informatics, 2021, 17, 1604-1613.	7.2	26
30	Design and Analysis of Two Prescribed-Time and Robust ZNN Models With Application to Time-Variant Stein Matrix Equation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1668-1677.	7.2	21
31	Adaptive multi-source multi-view latent feature learning for inferring potential disease-associated miRNAs. Briefings in Bioinformatics, 2021, 22, 2043-2057.	3.2	25
32	A Unified Predefined-Time Convergent and Robust ZNN Model for Constrained Quadratic Programming. IEEE Transactions on Industrial Informatics, 2021, 17, 1998-2010.	7.2	32
33	Measures of Uncertainty Based on Gaussian Kernel for Type-2 Fuzzy Information Systems. International Journal of Fuzzy Systems, 2021, 23, 1163-1178.	2.3	4
34	Design and analysis of a noise-suppression zeroing neural network approach for robust synchronization of chaotic systems. Neurocomputing, 2021, 426, 299-308.	3.5	12
35	Finite-Time and Predefined-Time Convergence Design for Zeroing Neural Network: Theorem, Method, and Verification. IEEE Transactions on Industrial Informatics, 2021, 17, 4724-4732.	7.2	31
36	New Noise-Tolerant ZNN Models With Predefined-Time Convergence for Time-Variant Sylvester Equation Solving. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3629-3640.	5.9	37

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37	Adaptive Variable Parameter ZNN for Solving Time-varying Linear Matrix Equation. , 2021, , .		0
38	NSL2CD: identifying potential circRNAâ€“disease associations based on network embedding and subspace learning. Briefings in Bioinformatics, 2021, 22, .	3.2	11
39	Comprehensive study on complex-valued ZNN models activated by novel nonlinear functions for dynamic complex linear equations. Information Sciences, 2021, 561, 101-114.	4.0	16
40	Feature selection via max-independent ratio and min-redundant ratio based on adaptive weighted kernel density estimation. Information Sciences, 2021, 568, 86-112.	4.0	17
41	A new classification and ranking decision method based on three-way decision theory and TOPSIS models. Information Sciences, 2021, 568, 54-85.	4.0	50
42	A fuzzy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e11640" altimg="si861.svg"><mml:mi>Î±</mml:mi></mml:math>-similarity relation-based attribute reduction approach in incomplete interval-valued information systems. Applied Soft Computing Journal, 2021, 109, 107593.	4.1	14
43	High-order error function designs to compute time-varying linear matrix equations. Information Sciences, 2021, 576, 173-186.	4.0	17
44	A Parameter-Changing and Complex-Valued Zeroing Neural-Network for Finding Solution of Time-Varying Complex Linear Matrix Equations in Finite Time. IEEE Transactions on Industrial Informatics, 2021, 17, 6634-6643.	7.2	29
45	An accelerated ZNN-based algorithm with piecewise time-varying parameters to solve time-variant linear equations. Journal of Computational and Applied Mathematics, 2021, 398, 113665.	1.1	5
46	An incremental attribute reduction approach based on knowledge granularity for incomplete decision systems. Granular Computing, 2020, 5, 545-559.	4.4	10
47	A Noise-Tolerant Zeroing Neural Network for Time-Dependent Complex Matrix Inversion Under Various Kinds of Noises. IEEE Transactions on Industrial Informatics, 2020, 16, 3757-3766.	7.2	34
48	Design and Analysis of New Zeroing Neural Network Models With Improved Finite-Time Convergence for Time-Varying Reciprocal of Complex Matrix. IEEE Transactions on Industrial Informatics, 2020, 16, 3838-3848.	7.2	15
49	Novel multi-label feature selection via label symmetric uncertainty correlation learning and feature redundancy evaluation. Knowledge-Based Systems, 2020, 207, 106342.	4.0	45
50	Design and Application of A Robust Zeroing Neural Network to Kinematical Resolution of Redundant Manipulators Under Various External Disturbances. Neurocomputing, 2020, 415, 174-183.	3.5	6
51	Fast feature selection for interval-valued data through kernel density estimation entropy. International Journal of Machine Learning and Cybernetics, 2020, 11, 2607-2624.	2.3	30
52	A novel approach to predictive analysis using attribute-oriented rough fuzzy sets. Expert Systems With Applications, 2020, 161, 113644.	4.4	16
53	Measures of uncertainty based on Gaussian kernel for a fully fuzzy information system. Knowledge-Based Systems, 2020, 196, 105791.	4.0	42
54	Knowledge granularity based incremental attribute reduction for incomplete decision systems. International Journal of Machine Learning and Cybernetics, 2020, 11, 1141-1157.	2.3	27

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55	Design and Comprehensive Analysis of a Noise-Tolerant ZNN Model With Limited-Time Convergence for Time-Dependent Nonlinear Minimization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5339-5348.	7.2	36
56	Unsupervised attribute reduction based on $$alpha $$-approximate equal relation in interval-valued information systems. International Journal of Machine Learning and Cybernetics, 2020, 11, 2021-2038.	2.3	11
57	Multivariable grey prediction evolution algorithm: A new metaheuristic. Applied Soft Computing Journal, 2020, 89, 106086.	4.1	43
58	Granular Matrix: A New Approach for Granular Structure Reduction and Redundancy Evaluation. IEEE Transactions on Fuzzy Systems, 2020, 28, 3133-3144.	6.5	26
59	Feature selection via normative fuzzy information weight with application into tumor classification. Applied Soft Computing Journal, 2020, 92, 106299.	4.1	64
60	New error function designs for finite-time ZNN models with application to dynamic matrix inversion. Neurocomputing, 2020, 402, 395-408.	3.5	8
61	Abdominal-Waving Control of Tethered Bumblebees Based on Sarsa With Transformed Reward. IEEE Transactions on Cybernetics, 2019, 49, 3064-3073.	6.2	10
62	Design and analysis of new complex zeroing neural network for a set of dynamic complex linear equations. Neurocomputing, 2019, 363, 171-181.	3.5	14
63	Finite-Time Convergence and Robustness Analysis of Two Nonlinear Activated ZNN Models for Time-Varying Linear Matrix Equations. IEEE Access, 2019, 7, 135133-135144.	2.6	19
64	A new noise-tolerant and predefined-time ZNN model for time-dependent matrix inversion. Neural Networks, 2019, 117, 124-134.	3.3	68
65	Multi-view manifold regularized learning-based method for prioritizing candidate disease miRNAs. Knowledge-Based Systems, 2019, 175, 118-129.	4.0	77
66	Performance Benefits of Robust Nonlinear Zeroing Neural Network for Finding Accurate Solution of Lyapunov Equation in Presence of Various Noises. IEEE Transactions on Industrial Informatics, 2019, 15, 5161-5171.	7.2	77
67	Latent Space Embedding for Unsupervised Feature Selection via Joint Dictionary Learning. , 2019, , .		1
68	Computational Prediction of Human Disease- Associated circRNAs Based on Manifold Regularization Learning Framework. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2661-2669.	3.9	61
69	Dominance-based fuzzy rough set approach for incomplete interval-valued data. Journal of Intelligent and Fuzzy Systems, 2018, 34, 423-436.	0.8	30
70	New inclusion relation of neutrosophic sets with applications and related lattice structure. International Journal of Machine Learning and Cybernetics, 2018, 9, 1753-1763.	2.3	77
71	Neighbor Inconsistent Pair Selection for Attribute Reduction by Rough Set Approach. IEEE Transactions on Fuzzy Systems, 2018, 26, 937-950.	6.5	75
72	Locally Linear Approximation Approach for Incomplete Data. IEEE Transactions on Cybernetics, 2018, 48, 1720-1732.	6.2	24

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73	Generalized rough set models determined by multiple neighborhoods generated from a similarity relation. Soft Computing, 2018, 22, 2081-2094.	2.1	51
74	Maximal-Discernibility-Pair-Based Approach to Attribute Reduction in Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2018, 26, 2174-2187.	6.5	170
75	Cluster Structure Preserving Based on Dictionary Pair for Unsupervised Feature Selection. , 2018, , .		2
76	Semi-supervised Feature Selection by Mutual Information Based on Kernel Density Estimation. , 2018, , .		4
77	Rough Set Model for Cognitive Expectation Embedded Intervalâ€Valued Decision Systems. Chinese Journal of Electronics, 2018, 27, 675-679.	0.7	1
78	Discernibility Matrix-Based Ensemble Learning. , 2018, , .		3
79	Semi-supervised Feature Selection Based on Least Square Regression with Redundancy Minimization. , 2018, , .		8
80	The Diagnosis of Autism Spectrum Disorder Based on the Random Neural Network Cluster. Frontiers in Human Neuroscience, 2018, 12, 257.	1.0	35
81	Catoptrical rough set model on two universes using granule-based definition and its variable precision extensions. Information Sciences, 2017, 390, 70-81.	4.0	17
82	Probability approach for interval-valued ordered decision systems inÂdominance-based fuzzy rough set theory. Journal of Intelligent and Fuzzy Systems, 2017, 32, 703-710.	0.8	4
83	Attribute Selection for Partially Labeled Categorical Data By Rough Set Approach. IEEE Transactions on Cybernetics, 2017, 47, 2460-2471.	6.2	94
84	Uncertainty measurement for incomplete interval-valued information systems based on Î±-weak similarity. Knowledge-Based Systems, 2017, 136, 159-171.	4.0	69
85	Uncertainty measurement for incomplete interval-valued information systems by Î¸-rough set model. , 2017, , .		1
86	Knowledge granularity measures for incomplete interval-valued information. , 2017, , .		0
87	Discrete particle swarm optimization approach for cost sensitive attribute reduction. Knowledge-Based Systems, 2016, 102, 116-126.	4.0	50
88	A classification model for semantic entailment recognition with feature combination. Neurocomputing, 2016, 208, 127-135.	3.5	15
89	DualPOS: A Semi-supervised Attribute Selection Approach for Symbolic Data Based on Rough Set Theory. Lecture Notes in Computer Science, 2016, , 392-402.	1.0	7
90	On the union and intersection operations of rough sets based on various approximation spaces. Information Sciences, 2015, 292, 214-229.	4.0	99

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91	Uncertainty Measurement for Covering Rough Sets. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2014, 22, 217-233.	0.9	13
92	An Uncertainty Measure for Incomplete Decision Tables and Its Applications. IEEE Transactions on Cybernetics, 2013, 43, 1277-1289.	6.2	114
93	Decision rule mining using classification consistency rate. Knowledge-Based Systems, 2013, 43, 95-102.	4.0	35
94	Uncertainty measurement for interval-valued information systems. Information Sciences, 2013, 251, 63-78.	4.0	70
95	Attribute selection based on information gain ratio in fuzzy rough set theory with application to tumor classification. Applied Soft Computing Journal, 2013, 13, 211-221.	4.1	346
96	Attribute selection based on a new conditional entropy for incomplete decision systems. Knowledge-Based Systems, 2013, 39, 207-213.	4.0	87
97	Entropy measures and granularity measures for set-valued information systems. Information Sciences, 2013, 240, 72-82.	4.0	110
98	Rough set approach to incomplete numerical data. Information Sciences, 2013, 241, 43-57.	4.0	67
99	Fuzzy rough set model for set-valued data. Fuzzy Sets and Systems, 2013, 229, 54-68.	1.6	71
100	Conditional entropy for incomplete decision systems and its application in data mining. International Journal of General Systems, 2012, 41, 713-728.	1.2	48
101	Approximations and uncertainty measures in incomplete information systems. Information Sciences, 2012, 198, 62-80.	4.0	119
102	Uncertainty measurement for interval-valued decision systems based on extended conditional entropy. Knowledge-Based Systems, 2012, 27, 443-450.	4.0	133
103	Generalized Rough Logics with Rough Algebraic Semantics. International Journal of Cognitive Informatics and Natural Intelligence, 2010, 4, 35-49.	0.4	3
104	Probabilistic neural network based motor cortical decoding method and hardware implementation. , 2010, , .		2
105	An adaptive BCI system for virtual navigation. , 2010, , .		4
106	Novel neuronal ensembles encoding analysis method based on rough set theory. , 2009, , .		1
107	Neuronal Spike Sorting Based on 2-Stage RBF Networks. , 2008, , .		3
108	Analysis of neuronal ensembles encoding model in invasive brain-computer interface study using Radial-Basis-Function networks. , 2008, , .		4

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109	Steadiness analysis of means-end conceptual paths and problem-chains based on concept lattices and similarity measuring. International Journal of Machine Learning and Cybernetics, 0, , 1.	2.3	3
110	Generalized Rough Logics with Rough Algebraic Semantics. , 0, , 183-193.		0
111	A Fuzzy Decision-Theoretic Rough Set Approach for Type-2 Fuzzy Conditional Information Systems and Its Application in Decision-Making. International Journal of Fuzzy Systems, 0, , 1.	2.3	3