Shifei Ding

List of Publications by Year in descending order

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87401 100535 5,933 173 40 70 citations h-index g-index papers 174 174 174 5382 citing authors docs citations times ranked all docs

#	Article	IF	CITATIONS
1	A novel dense capsule network based on dense capsule layers. Applied Intelligence, 2022, 52, 3066-3076.	3.3	10
2	Hypergraph based semi-supervised support vector machine for binary and multi-category classifications. International Journal of Machine Learning and Cybernetics, 2022, 13, 1369-1386.	2.3	3
3	Hypergraph regularized semi-supervised support vector machine. Information Sciences, 2022, 591, 400-421.	4.0	11
4	A manifold p-spectral clustering with sparrow search algorithm. Soft Computing, 2022, 26, 1765-1777.	2.1	10
5	Low-degree term first in ResNet, its variants and the whole neural network family. Neural Networks, 2022, 148, 155-165.	3.3	20
6	Multiple birth support vector machine based on dynamic quantum particle swarm optimization algorithm. Neurocomputing, 2022, 480, 146-156.	3.5	16
7	Emotion Recognition With Multimodal Transformer Fusion Framework Based on Acoustic and Lexical Information. IEEE MultiMedia, 2022, 29, 94-103.	1.5	3
8	Fast density peaks clustering algorithm in polar coordinate system. Applied Intelligence, 2022, 52, 14478-14490.	3.3	5
9	Broad learning system based ensemble deep model. Soft Computing, 2022, 26, 7029-7041.	2.1	5
10	Broad stochastic configuration network for regression. Knowledge-Based Systems, 2022, 243, 108403.	4.0	10
11	An optimized twin support vector regression algorithm enhanced by ensemble empirical mode decomposition and gated recurrent unit. Information Sciences, 2022, 598, 101-125.	4.0	10
12	A deep clustering by multi-level feature fusion. International Journal of Machine Learning and Cybernetics, 2022, 13, 2813-2823.	2.3	2
13	A survey on multi-agent deep reinforcement learning: from the perspective of challenges and applications. Artificial Intelligence Review, 2021, 54, 3215-3238.	9.7	84
14	A fast density peaks clustering algorithm with sparse search. Information Sciences, 2021, 554, 61-83.	4.0	40
15	SA-CapsGAN: Using Capsule Networks with embedded self-attention for Generative Adversarial Network. Neurocomputing, 2021, 423, 399-406.	3 . 5	17
16	A robust spectral clustering algorithm based on grid-partition and decision-graph. International Journal of Machine Learning and Cybernetics, 2021, 12, 1243-1254.	2.3	8
17	An improved density-based adaptive p-spectral clustering algorithm. International Journal of Machine Learning and Cybernetics, 2021, 12, 1571-1582.	2.3	3
18	Chameleon algorithm based on mutual k-nearest neighbors. Applied Intelligence, 2021, 51, 2031-2044.	3.3	10

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19	M-pSC: a manifold p-spectral clustering algorithm. International Journal of Machine Learning and Cybernetics, 2021, 12, 541-553.	2.3	2
20	An improved grid search algorithm to optimize SVR for prediction. Soft Computing, 2021, 25, 5633-5644.	2.1	62
21	An iterative stacked weighted auto-encoder. Soft Computing, 2021, 25, 4833-4843.	2.1	3
22	A community detection algorithm based on Quasi-Laplacian centrality peaks clustering. Applied Intelligence, 2021, 51, 7917.	3.3	5
23	Chameleon algorithm based on improved natural neighbor graph generating sub-clusters. Applied Intelligence, 2021, 51, 8399-8415.	3.3	6
24	A novel self-attention deep subspace clustering. International Journal of Machine Learning and Cybernetics, 2021, 12, 2377-2387.	2.3	5
25	Parallel stochastic configuration networks for large-scale data regression. Applied Soft Computing Journal, 2021, 103, 107143.	4.1	20
26	A stochastic configuration network based on chaotic sparrow search algorithm. Knowledge-Based Systems, 2021, 220, 106924.	4.0	194
27	Modified action decoder using Bayesian reasoning for multi-agent deep reinforcement learning. International Journal of Machine Learning and Cybernetics, 2021, 12, 2947-2961.	2.3	10
28	An efficient Nyström spectral clustering algorithm using incomplete Cholesky decomposition. Expert Systems With Applications, 2021, 186, 115813.	4.4	6
29	A novel clustering ensemble model based on granular computing. Applied Intelligence, 2021, 51, 5474-5488.	3.3	16
30	An optimized support vector regression for prediction of bearing degradation. Applied Soft Computing Journal, 2021, 113, 108008.	4.1	7
31	Robust spike-and-slab deep Boltzmann machines for face denoising. Neural Computing and Applications, 2020, 32, 2815-2827.	3.2	5
32	Energy-based structural least squares MBSVM for classification. Applied Intelligence, 2020, 50, 681-697.	3.3	7
33	Active constraint spectral clustering based on Hessian matrix. Soft Computing, 2020, 24, 2381-2390.	2.1	10
34	Ensemble Adaptation Networks with low-cost unsupervised hyper-parameter search. Pattern Analysis and Applications, 2020, 23, 1215-1224.	3.1	0
35	Multi-view RBM with posterior consistency and domain adaptation. Information Sciences, 2020, 516, 142-157.	4.0	16
36	An adversarial non-volume preserving flow model with Boltzmann priors. International Journal of Machine Learning and Cybernetics, 2020, 11, 913-921.	2.3	1

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37	Multi-View Spectral Clustering via ELM-AE Ensemble Features Representations Learning. IEEE Access, 2020, 8, 198679-198690.	2.6	2
38	A support vector regression model hybridized with chaotic krill herd algorithm and empirical mode decomposition for regression task. Neurocomputing, 2020, 410, 185-201.	3.5	86
39	Multiple birth support vector machine based on recurrent neural networks. Applied Intelligence, 2020, 50, 2280-2292.	3.3	11
40	Adversarial Training Methods for Boltzmann Machines. IEEE Access, 2020, 8, 4594-4604.	2.6	5
41	A novel prediction method of complex univariate time series based on k-means clustering. Soft Computing, 2020, 24, 16425-16437.	2.1	4
42	A robust density peaks clustering algorithm with density-sensitive similarity. Knowledge-Based Systems, 2020, 200, 106028.	4.0	45
43	Research on fingerprint classification based on twin support vector machine. IET Image Processing, 2020, 14, 231-235.	1.4	12
44	Superâ€pixel image segmentation algorithm based on adaptive equalisation feature parameters. IET Image Processing, 2020, 14, 4461-4467.	1.4	4
45	Research on adaptive local feature enhancement in convolutional neural networks. IET Image Processing, 2020, 14, 4306-4315.	1.4	2
46	Link-Based Cluster Ensemble Method for Improved Meta-clustering Algorithm. IFIP Advances in Information and Communication Technology, 2020, , 14-25.	0.5	1
47	Single image super-resolution using a polymorphic parallel CNN. Applied Intelligence, 2019, 49, 292-300.	3.3	36
48	A feasible density peaks clustering algorithm with a merging strategy. Soft Computing, 2019, 23, 5171-5183.	2.1	27
49	A novel density peaks clustering with sensitivity of local density and density-adaptive metric. Knowledge and Information Systems, 2019, 59, 285-309.	2.1	31
50	An Improvement of Spectral Clustering via Message Passing and Density Sensitive Similarity. IEEE Access, 2019, 7, 101054-101062.	2.6	27
51	BEMD image fusion based on PCNN and compressed sensing. Soft Computing, 2019, 23, 10045-10054.	2.1	5
52	Research Progress on Semi-Supervised Clustering. Cognitive Computation, 2019, 11, 599-612.	3.6	49
53	A hybrid optimization algorithm based on cuckoo search and differential evolution for solving constrained engineering problems. Engineering Applications of Artificial Intelligence, 2019, 85, 254-268.	4.3	120
54	The multi-tag semantic correlation used for micro-blog user interest modeling. Engineering Applications of Artificial Intelligence, 2019, 85, 765-772.	4.3	6

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55	A new asynchronous reinforcement learning algorithm based on improved parallel PSO. Applied Intelligence, 2019, 49, 4211-4222.	3.3	30
56	An effective asynchronous framework for small scale reinforcement learning problems. Applied Intelligence, 2019, 49, 4303-4318.	3.3	12
57	L1-norm loss-based projection twin support vector machine for binary classification. Soft Computing, 2019, 23, 10649-10659.	2.1	13
58	A comparative study of neural-network feature weighting. Artificial Intelligence Review, 2019, 52, 469-493.	9.7	3
59	Applications of asynchronous deep reinforcement learning based on dynamic updating weights. Applied Intelligence, 2019, 49, 581-591.	3.3	15
60	Multimodal correlation deep belief networks for multi-view classification. Applied Intelligence, 2019, 49, 1925-1936.	3.3	17
61	A multiway p-spectral clustering algorithm. Knowledge-Based Systems, 2019, 164, 371-377.	4.0	25
62	A review on multi-class TWSVM. Artificial Intelligence Review, 2019, 52, 775-801.	9.7	29
63	Discrete space reinforcement learning algorithm based on support vector machine classification. Pattern Recognition Letters, 2018, 111, 30-35.	2.6	28
64	Collaborative filtering model for enhancing fingerprint image. IET Image Processing, 2018, 12, 149-157.	1.4	14
65	Rank-Adaptive Non-Negative Matrix Factorization. Cognitive Computation, 2018, 10, 506-515.	3.6	5
66	Self-adaptive kernel K-means algorithm based on the shuffled frog leaping algorithm. Soft Computing, 2018, 22, 861-872.	2.1	14
67	DPCG: an efficient density peaks clustering algorithm based on grid. International Journal of Machine Learning and Cybernetics, 2018, 9, 743-754.	2.3	50
68	A robust density peaks clustering algorithm using fuzzy neighborhood. International Journal of Machine Learning and Cybernetics, 2018, 9, 1131-1140.	2.3	49
69	An improved fingerprint orientation field extraction method based on quality grading scheme. International Journal of Machine Learning and Cybernetics, 2018, 9, 1249-1260.	2.3	5
70	Density peaks clustering using geodesic distances. International Journal of Machine Learning and Cybernetics, 2018, 9, 1335-1349.	2.3	44
71	Research of stacked denoising sparse autoencoder. Neural Computing and Applications, 2018, 30, 2083-2100.	3.2	17
72	Research and development of neural network ensembles: a survey. Artificial Intelligence Review, 2018, 49, 455-479.	9.7	49

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73	An overview on Restricted Boltzmann Machines. Neurocomputing, 2018, 275, 1186-1199.	3.5	142
74	An image response framework for no-reference image quality assessment. Computers and Electrical Engineering, 2018, 70, 764-776.	3.0	2
75	A semi-supervised approximate spectral clustering algorithm based on HMRF model. Information Sciences, 2018, 429, 215-228.	4.0	46
76	Image segmentation algorithm based on superpixel clustering. IET Image Processing, 2018, 12, 2030-2035.	1.4	29
77	A K-AP Clustering Algorithm Based on Manifold Similarity Measure. IFIP Advances in Information and Communication Technology, 2018, , 20-29.	0.5	3
78	An overview on probability undirected graphs and their applications in image processing. Neurocomputing, 2018, 321, 156-168.	3.5	12
79	An improved density peaks clustering algorithm with fast finding cluster centers. Knowledge-Based Systems, 2018, 158, 65-74.	4.0	83
80	NSCTâ€PCNN image fusion based on image gradient motivation. IET Computer Vision, 2018, 12, 377-383.	1.3	24
81	Asynchronous reinforcement learning algorithms for solving discrete space path planning problems. Applied Intelligence, 2018, 48, 4889-4904.	3.3	26
82	A Fast Density Peaks Clustering Algorithm Based on Pre-Screening. , 2018, , .		7
83	Locally adaptive multiple kernel k-means algorithm based on shared nearest neighbors. Soft Computing, 2018, 22, 4573-4583.	2.1	12
84	Unsupervised extreme learning machine with representational features. International Journal of Machine Learning and Cybernetics, 2017, 8, 587-595.	2.3	69
85	Extreme learning machine with kernel model based on deep learning. Neural Computing and Applications, 2017, 28, 1975-1984.	3.2	54
86	An overview on semi-supervised support vector machine. Neural Computing and Applications, 2017, 28, 969-978.	3.2	97
87	Research on denoising sparse autoencoder. International Journal of Machine Learning and Cybernetics, 2017, 8, 1719-1729.	2.3	44
88	A Nyström spectral clustering algorithm based on probability incremental sampling. Soft Computing, 2017, 21, 5815-5827.	2.1	21
89	Twin support vector machine: theory, algorithm and applications. Neural Computing and Applications, 2017, 28, 3119-3130.	3.2	77
90	Unsupervised and semi-supervised extreme learning machine with wavelet kernel for high dimensional data. Memetic Computing, 2017, 9, 129-139.	2.7	34

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91	A Review on Feature Binding Theory and Its Functions Observed in Perceptual Process. Cognitive Computation, 2017, 9, 194-206.	3.6	9
92	Combining weighted linear project analysis with orientation diffusion for fingerprint orientation field reconstruction. Information Sciences, 2017, 396, 55-71.	4.0	16
93	Weighted linear loss multiple birth support vector machine based on information granulation for multi-class classification. Pattern Recognition, 2017, 67, 32-46.	5.1	67
94	Fingerprint image super resolution using sparse representation with ridge pattern prior by classification coupled dictionaries. IET Biometrics, 2017, 6, 342-350.	1.6	15
95	An entropy-based density peaks clustering algorithm for mixed type data employing fuzzy neighborhood. Knowledge-Based Systems, 2017, 133, 294-313.	4.0	66
96	A novel density peaks clustering algorithm for mixed data. Pattern Recognition Letters, 2017, 97, 46-53.	2.6	43
97	Fingerprint enhancement rooted in the spectra diffusion by the aid of the 2D adaptive Chebyshev band-pass filter with orientation-selective. Information Sciences, 2017, 415-416, 233-246.	4.0	9
98	An improved multiple birth support vector machine for pattern classification. Neurocomputing, 2017, 225, 119-128.	3.5	44
99	Pulse-coupled neural networks and parameter optimization methods. Neural Computing and Applications, 2017, 28, 671-681.	3.2	17
100	Research on Point-wise Gated Deep Networks. Applied Soft Computing Journal, 2017, 52, 1210-1221.	4.1	20
101	Wavelet twin support vector machines based on glowworm swarm optimization. Neurocomputing, 2017, 225, 157-163.	3.5	56
102	Combining Gabor filtering and classification dictionaries learning for fingerprint enhancement. IET Biometrics, 2017, 6, 438-447.	1.6	13
103	Self-adaptive Extreme Learning Machine Optimized by Rough Set Theory and Affinity Propagation Clustering. Cognitive Computation, 2016, 8, 720-728.	3.6	13
104	Weight Uncertainty in Boltzmann Machine. Cognitive Computation, 2016, 8, 1064-1073.	3.6	11
105	Approximate normalized cuts without Eigen-decomposition. Information Sciences, 2016, 374, 135-150.	4.0	32
106	Granular multiple birth support vector machine based on weighted linear loss. , 2016, , .		0
107	No-reference image quality assessment based on gradient histogram response. Computers and Electrical Engineering, 2016, 54, 330-344.	3.0	6
108	Research of multi-sided multi-granular neural network ensemble optimization method. Neurocomputing, 2016, 197, 78-85.	3.5	3

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109	Medical image registration based on self-adapting pulse-coupled neural networks and mutual information. Neural Computing and Applications, 2016, 27, 1917-1926.	3.2	4
110	Study on density peaks clustering based on k-nearest neighbors and principal component analysis. Knowledge-Based Systems, 2016, 99, 135-145.	4.0	334
111	Twin support vector machines based on fruit fly optimization algorithm. International Journal of Machine Learning and Cybernetics, 2016, 7, 193-203.	2.3	54
112	Multi-class LSTMSVM based on optimal directed acyclic graph and shuffled frog leaping algorithm. International Journal of Machine Learning and Cybernetics, 2016, 7, 241-251.	2.3	27
113	Multi layer ELM-RBF for multi-label learning. Applied Soft Computing Journal, 2016, 43, 535-545.	4.1	50
114	An overview on rough neural networks. Neural Computing and Applications, 2016, 27, 1805-1816.	3.2	15
115	Incremental extreme learning machine based on deep feature embedded. International Journal of Machine Learning and Cybernetics, 2016, 7, 111-120.	2.3	45
116	An Adaptive Density Data Stream Clustering Algorithm. Cognitive Computation, 2016, 8, 30-38.	3.6	33
117	Denoising Laplacian multi-layer extreme learning machine. Neurocomputing, 2016, 171, 1066-1074.	3.5	41
118	A wavelet extreme learning machine. Neural Computing and Applications, 2016, 27, 1033-1040.	3.2	26
119	Boltzmann Machine and its Applications in Image Recognition. IFIP Advances in Information and Communication Technology, 2016, , 108-118.	0.5	1
120	p-Spectral Clustering Based on Neighborhood Attribute Granulation. IFIP Advances in Information and Communication Technology, 2016, , 50-58.	0.5	3
121	A Novel Locally Multiple Kernel k-means Based on Similarity. IFIP Advances in Information and Communication Technology, 2016, , 22-30.	0.5	0
122	A novel granular support vector machine based on fuzzy kernel clustering. International Journal of Collaborative Intelligence, 2015, 1, 153.	0.2	0
123	Research and Development of Advanced Computing Technologies. Scientific World Journal, The, 2015, 2015, 1-2.	0.8	0
124	A new method for constructing granular neural networks based on rule extraction and extreme learning machine. Pattern Recognition Letters, 2015, 67, 138-144.	2.6	9
125	Survey on granularity clustering. Cognitive Neurodynamics, 2015, 9, 561-572.	2.3	14
126	Weighted least squares projection twin support vector machines with local information. Neurocomputing, 2015, 160, 228-237.	3.5	31

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127	An optimized classification algorithm by BP neural network based on PLS and HCA. Applied Intelligence, 2015, 43, 176-191.	3.3	70
128	Self-Tuning p-Spectral Clustering Based on Shared Nearest Neighbors. Cognitive Computation, 2015, 7, 622-632.	3.6	31
129	Research on data stream clustering algorithms. Artificial Intelligence Review, 2015, 43, 593-600.	9.7	53
130	Extreme learning machine: algorithm, theory and applications. Artificial Intelligence Review, 2015, 44, 103-115.	9.7	412
131	Research on the hybrid models of granular computing and support vector machine. Artificial Intelligence Review, 2015, 43, 565-577.	9.7	18
132	Granular neural networks. Artificial Intelligence Review, 2014, 41, 373-384.	9.7	18
133	The latest research progress on spectral clustering. Neural Computing and Applications, 2014, 24, 1477-1486.	3.2	130
134	A novel self-adaptive extreme learning machine based on affinity propagation for radial basis function neural network. Neural Computing and Applications, 2014, 24, 1487-1495.	3.2	9
135	Research of semi-supervised spectral clustering algorithm based on pairwise constraints. Neural Computing and Applications, 2014, 24, 211-219.	3.2	50
136	An overview on nonparallel hyperplane support vector machine algorithms. Neural Computing and Applications, 2014, 25, 975-982.	3.2	51
137	Extreme learning machine and its applications. Neural Computing and Applications, 2014, 25, 549-556.	3.2	201
138	A Rough RBF Neural Network Based on Weighted Regularized Extreme Learning Machine. Neural Processing Letters, 2014, 40, 245-260.	2.0	24
139	Recursive least squares projection twin support vector machines for nonlinear classification. Neurocomputing, 2014, 130, 3-9.	3.5	54
140	Reduced-reference image quality assessment through SIFT intensity ratio. International Journal of Machine Learning and Cybernetics, 2014, 5, 923-931.	2.3	6
141	An overview on twin support vector machines. Artificial Intelligence Review, 2014, 42, 245-252.	9.7	79
142	Wavelet twin support vector machine. Neural Computing and Applications, 2014, 25, 1241-1247.	3.2	20
143	A density-adaptive affinity propagation clustering algorithm based on spectral dimension reduction. Neural Computing and Applications, 2014, 25, 1557-1567.	3.2	35
144	Research on parameters optimisation of SVM based on swarm intelligence. International Journal of Collaborative Intelligence, 2014, 1, 4.	0.2	2

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145	Research and Application Analysis of Feature Binding Mechanism. Lecture Notes in Computer Science, 2014, , 133-140.	1.0	1
146	Polynomial Smooth Twin Support Vector Machines. Applied Mathematics and Information Sciences, 2014, 8, 2063-2071.	0.7	17
147	Twin Support Vector Machines Based on the Mixed Kernel function. Journal of Computers, 2014, 9, .	0.4	1
148	A fast fuzzy support vector machine based on information granulation. Neural Computing and Applications, 2013, 23, 139-144.	3.2	17
149	Research on using genetic algorithms to optimize Elman neural networks. Neural Computing and Applications, 2013, 23, 293-297.	3.2	57
150	Research of semi-supervised spectral clustering based on constraints expansion. Neural Computing and Applications, 2013, 22, 405-410.	3.2	12
151	Evolutionary artificial neural networks: a review. Artificial Intelligence Review, 2013, 39, 251-260.	9.7	264
152	Research of assembling optimized classification algorithm by neural network based on Ordinary Least Squares (OLS). Neural Computing and Applications, 2013, 22, 187-193.	3.2	21
153	Research and Development of Granular Neural Networks. Applied Mathematics and Information Sciences, 2013, 7, 1251-1261.	0.7	9
154	Invasive Weed Optimization Algorithm for Optimizating the Parameters of Mixed Kernel Twin Support Vector Machines. Journal of Computers, 2013, 8, .	0.4	6
155	A Novel Extreme Learning Machine Based on Hybrid Kernel Function. Journal of Computers, 2013, 8, .	0.4	18
156	Twin Support Vector Machines Based on Particle Swarm Optimization. Journal of Computers, 2013, 8, .	0.4	19
157	Twin Support Vector Machines Based on Quantum Particle Swarm Optimization. Journal of Software, 2013, 8, .	0.6	6
158	Research of granular support vector machine. Artificial Intelligence Review, 2012, 38, 1-7.	9.7	25
159	A survey on feature extraction for pattern recognition. Artificial Intelligence Review, 2012, 37, 169-180.	9.7	94
160	An optimizing method of RBF neural network based on genetic algorithm. Neural Computing and Applications, 2012, 21, 333-336.	3.2	46
161	Region-based semi-supervised clustering image segmentation. , 2011, , .		4
162	Research of neural network algorithm based on factor analysis and cluster analysis. Neural Computing and Applications, 2011, 20, 297-302.	3.2	27

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163	An optimizing BP neural network algorithm based on genetic algorithm. Artificial Intelligence Review, 2011, 36, 153-162.	9.7	525
164	Research and Development of Granularity Clustering. Communications in Computer and Information Science, 2011, , 253-258.	0.4	2
165	Research on Spectral Clustering algorithms and prospects. , 2010, , .		4
166	Research of neural network algorithm based on FA and RBF. , 2010, , .		6
167	Research and development of attribute reduction algorithm based on rough set. , 2010, , .		6
168	A Survey on Statistical Pattern Feature Extraction. Lecture Notes in Computer Science, 2008, , 701-708.	1.0	9
169	An improved PCA algorithm based on WIF. , 2008, , .		O
170	PCA-Based Elman Neural Network Algorithm. Lecture Notes in Computer Science, 2008, , 315-321.	1.0	7
171	Studies on Fuzzy Information Measures. , 2007, , .		4
172	Hierarchical Policy for Agent Grid Collaboration. , 2007, , .		1
173	A Gaussian RBM with binary auxiliary units. International Journal of Machine Learning and Cybernetics, 0, , $1.$	2.3	2