

Feilong Cao

List of Publications by Year in descending order

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129
papers

2,008
citations

257101

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docs citations

129
times ranked

1725
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Local-Global Graph Convolutional Method for Point Cloud Semantic Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-15.	7.2	13
2	Feature-Grouped Network With Spectral Spatial Connected Attention for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	27
3	A novel multi-discriminator deep network for image segmentation. Applied Intelligence, 2022, 52, 1092-1109.	3.3	8
4	A novel method for image segmentation: two-stage decoding network with boundary attention. International Journal of Machine Learning and Cybernetics, 2022, 13, 1461-1473.	2.3	5
5	Deep multi-graph neural networks with attention fusion for recommendation. Expert Systems With Applications, 2022, 191, 116240.	4.4	21
6	A Novel Method for Hyperspectral Image Classification: Deep Network With Adaptive Graph Structure Integration. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	13
7	Multi-view graph convolutional networks with attention mechanism. Artificial Intelligence, 2022, 307, 103708.	3.9	22
8	Are Graph Convolutional Networks With Random Weights Feasible?. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-18.	9.7	10
9	Consensus-based distributed learning for robust convex optimization with a scenario approach. Concurrency Computation Practice and Experience, 2021, 33, e5049.	1.4	0
10	Construction of feedforward neural networks with simple architectures and approximation abilities. Mathematical Methods in the Applied Sciences, 2021, 44, 1788-1795.	1.2	2
11	Algorithms of matrix recovery based on truncated Schatten p-norm. International Journal of Machine Learning and Cybernetics, 2021, 12, 1557-1570.	2.3	11
12	An automatic 2D to 3D video conversion approach based on RGB-D images. Multimedia Tools and Applications, 2021, 80, 19179-19201.	2.6	3
13	Convolutional neural networks with hybrid weights for 3D point cloud classification. Applied Intelligence, 2021, 51, 6983-6996.	3.3	4
14	Multiscale fused network with additive channel spatial attention for image segmentation. Knowledge-Based Systems, 2021, 214, 106754.	4.0	35
15	A novel 3D shape classification algorithm: point-to-vector capsule network. Neural Computing and Applications, 2021, 33, 16315-16328.	3.2	3
16	3D mixed CNNs with edge-point feature learning. Knowledge-Based Systems, 2021, 221, 106985.	4.0	2
17	The sparse factorization of nonnegative matrix in distributed network. Advances in Computational Intelligence, 2021, 1, 1.	0.7	0
18	Deep neural network compression through interpretability-based filter pruning. Pattern Recognition, 2021, 119, 108056.	5.1	18

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19	A stochastic age-structured HIV/AIDS model based on parameters estimation and its numerical calculation. <i>Mathematics and Computers in Simulation</i> , 2021, 190, 159-180.	2.4	7
20	Salient Object Detection Based on Visual Perceptual Saturation and Two-Stream Hybrid Networks. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 4773-4787.	6.0	14
21	A novel meta-learning framework: Multi-features adaptive aggregation method with information enhancer. <i>Neural Networks</i> , 2021, 144, 755-765.	3.3	8
22	A hybrid regularization approach for random vector functional-link networks. <i>Expert Systems With Applications</i> , 2020, 140, 112912.	4.4	12
23	Cascaded dual-scale crossover network for hyperspectral image classification. <i>Knowledge-Based Systems</i> , 2020, 189, 105122.	4.0	25
24	A Compact Recursive Dense Convolutional Network for image classification. <i>Neurocomputing</i> , 2020, 372, 8-16.	3.5	3
25	Modeling a stochastic age-structured capital system with Poisson jumps using neural networks. <i>Information Sciences</i> , 2020, 516, 254-265.	4.0	1
26	Deep hybrid dilated residual networks for hyperspectral image classification. <i>Neurocomputing</i> , 2020, 384, 170-181.	3.5	27
27	Deconvolutional neural network for image super-resolution. <i>Neural Networks</i> , 2020, 132, 394-404.	3.3	28
28	Improved dual-scale residual network for image super-resolution. <i>Neural Networks</i> , 2020, 132, 84-95.	3.3	13
29	Lightweight multi-scale residual networks with attention for image super-resolution. <i>Knowledge-Based Systems</i> , 2020, 203, 106103.	4.0	36
30	Effective segmentations in white blood cell images using ϵ -SVR-based detection method. <i>Neural Computing and Applications</i> , 2019, 31, 6767-6780.	3.2	11
31	A Novel Rank Approximation Method for Mixture Noise Removal of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4457-4469.	2.7	26
32	New architecture of deep recursive convolution networks for super-resolution. <i>Knowledge-Based Systems</i> , 2019, 178, 98-110.	4.0	23
33	Single image super-resolution via multi-scale residual channel attention network. <i>Neurocomputing</i> , 2019, 358, 424-436.	3.5	19
34	A Hybrid Truncated Norm Regularization Method for Matrix Completion. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 5171-5186.	6.0	9
35	Super-resolution using neighbourhood regression with local structure prior. <i>Signal Processing: Image Communication</i> , 2019, 72, 58-68.	1.8	3
36	Single image super-resolution based on adaptive convolutional sparse coding and convolutional neural networks. <i>Journal of Visual Communication and Image Representation</i> , 2019, 58, 651-661.	1.7	12

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37	Adaptive algorithms for low-rank and sparse matrix recovery with truncated nuclear norm. International Journal of Machine Learning and Cybernetics, 2019, 10, 1341-1355.	2.3	10
38	Distributed support vector machine in master-slave mode. Neural Networks, 2018, 101, 94-100.	3.3	12
39	Building feedforward neural networks with random weights for large scale datasets. Expert Systems With Applications, 2018, 106, 233-243.	4.4	18
40	A new method for image super-resolution with multi-channel constraints. Knowledge-Based Systems, 2018, 146, 118-128.	4.0	7
41	Efficient saliency detection using convolutional neural networks with feature selection. Information Sciences, 2018, 456, 34-49.	4.0	20
42	Robust object tracking using a sparse coadjutant observation model. Multimedia Tools and Applications, 2018, 77, 30969-30991.	2.6	4
43	Sparsity-Based Spatiotemporal Fusion via Adaptive Multi-Band Constraints. Remote Sensing, 2018, 10, 1646.	1.8	3
44	Image super-resolution via adaptive sparse representation and self-learning. IET Computer Vision, 2018, 12, 753-761.	1.3	9
45	Robust object tracking using a sparse coadjutant observation model. , 2018, 77, 30969.		1
46	A novel segmentation algorithm for nucleus in white blood cells based on low-rank representation. Neural Computing and Applications, 2017, 28, 503-511.	3.2	21
47	Image super-resolution via adaptive sparse representation. Knowledge-Based Systems, 2017, 124, 23-33.	4.0	27
48	A STUDY ON THE ERROR OF DISTRIBUTED ALGORITHMS FOR BIG DATA CLASSIFICATION WITH SVM. ANZIAM Journal, 2017, 58, 231-237.	0.3	0
49	Sparse representation for robust face recognition by dictionary decomposition. Journal of Visual Communication and Image Representation, 2017, 46, 260-268.	1.7	9
50	APPROXIMATION BY SPHERICAL NEURAL NETWORKS WITH ZONAL FUNCTIONS. ANZIAM Journal, 2017, 58, 238-246.	0.3	0
51	A novel deep learning algorithm for incomplete face recognition: Low-rank-recovery network. Neural Networks, 2017, 94, 115-124.	3.3	23
52	Automatic detection and classification of leukocytes using convolutional neural networks. Medical and Biological Engineering and Computing, 2017, 55, 1287-1301.	1.6	143
53	Segmentation of White Blood Cells Image Using Adaptive Location and Iteration. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1644-1655.	3.9	44
54	Recovering low-rank and sparse matrix based on the truncated nuclear norm. Neural Networks, 2017, 85, 10-20.	3.3	47

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55	Consensus-based Parallel Algorithm for Robust Convex Optimization with Scenario Approach in Colored Network. Lecture Notes in Computer Science, 2017, , 222-231.	1.0	1
56	Super-resolution reconstruction: using non-local structure similarity and edge sharpness dictionary. IET Image Processing, 2017, 11, 1254-1264.	1.4	2
57	Pose and illumination variable face recognition via sparse representation and illumination dictionary. Knowledge-Based Systems, 2016, 107, 117-128.	4.0	23
58	Image Super-Resolution via Adaptive ℓ_1 and ℓ_2 Regularization and Sparse Representation. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1550-1561.	7.2	37
59	Scattered data approximation by neural networks operators. Neurocomputing, 2016, 190, 237-242.	3.5	26
60	An iterative learning algorithm for feedforward neural networks with random weights. Information Sciences, 2016, 328, 546-557.	4.0	36
61	A New System of Face Recognition: Using Fuzziness and Sparsity. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2015, 23, 829-844.	0.9	3
62	Leukocyte image segmentation using feed forward neural networks with random weights. , 2015, , .		3
63	Scattered data quasi-interpolation on spheres. Mathematical Methods in the Applied Sciences, 2015, 38, 2527-2536.	1.2	2
64	Image Interpolation via Low-Rank Matrix Completion and Recovery. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1261-1270.	5.6	42
65	Multiscale interpolation on the sphere: Convergence rate and inverse theorem. Applied Mathematics and Computation, 2015, 263, 134-150.	1.4	3
66	Spherical scattered data quasi-interpolation by Gaussian radial basis function. Chinese Annals of Mathematics Series B, 2015, 36, 401-412.	0.2	4
67	A novel algorithm of extended neural networks for image recognition. Engineering Applications of Artificial Intelligence, 2015, 42, 57-66.	4.3	12
68	A probabilistic learning algorithm for robust modeling using neural networks with random weights. Information Sciences, 2015, 313, 62-78.	4.0	54
69	A novel decorrelated neural network ensemble algorithm for face recognition. Knowledge-Based Systems, 2015, 89, 541-552.	4.0	16
70	On a problem of Hornik. Acta Mathematica Sinica, English Series, 2015, 31, 1141-1148.	0.2	2
71	A novel face recognition method: Using random weight networks and quasi-singular value decomposition. Neurocomputing, 2015, 151, 1180-1186.	3.5	17
72	Quantum artificial neural networks with applications. Information Sciences, 2015, 290, 1-6.	4.0	27

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73	Local uniform error estimates for spherical basis functions interpolation. <i>Mathematical Methods in the Applied Sciences</i> , 2014, 37, 1364-1376.	1.2	0
74	Sparse algorithms of Random Weight Networks and applications. <i>Expert Systems With Applications</i> , 2014, 41, 2457-2462.	4.4	32
75	Generalization Bounds of Regularization Algorithm with Gaussian Kernels. <i>Neural Processing Letters</i> , 2014, 39, 179-194.	2.0	1
76	Human face recognition based on ensemble of polyharmonic extreme learning machine. <i>Neural Computing and Applications</i> , 2014, 24, 1317-1326.	3.2	14
77	Approximation by semigroup of spherical operators. <i>Frontiers of Mathematics in China</i> , 2014, 9, 387-416.	0.4	1
78	Extended feed forward neural networks with random weights for face recognition. <i>Neurocomputing</i> , 2014, 136, 96-102.	3.5	32
79	Compressed classification learning with Markov chain samples. <i>Neural Networks</i> , 2014, 50, 90-97.	3.3	0
80	Random sampling scattered data with multivariate Bernstein polynomials. <i>Chinese Annals of Mathematics Series B</i> , 2014, 35, 607-618.	0.2	1
81	Extreme learning machine with errors in variables. <i>World Wide Web</i> , 2014, 17, 1205-1216.	2.7	2
82	Surface reconstruction based on extreme learning machine. <i>Neural Computing and Applications</i> , 2013, 23, 283-292.	3.2	12
83	An oracle inequality for regularized risk minimizers with strongly mixing observations. <i>Frontiers of Mathematics in China</i> , 2013, 8, 301-315.	0.4	0
84	Learning rates of regularized regression on the unit sphere. <i>Science China Mathematics</i> , 2013, 56, 861-876.	0.8	4
85	The rate of approximation of Gaussian radial basis neural networks in continuous function space. <i>Acta Mathematica Sinica, English Series</i> , 2013, 29, 295-302.	0.2	6
86	A Reduction Algorithm for the Big Data in 3D Surface Reconstruction. , 2013, , .		2
87	Generalized extreme learning machine acting on a metric space. <i>Soft Computing</i> , 2012, 16, 1503-1514.	2.1	6
88	Cubature formula for spherical basis function networks. <i>Chinese Annals of Mathematics Series B</i> , 2012, 33, 807-814.	0.2	0
89	Learning rates of least-square regularized regression with strongly mixing observation. <i>International Journal of Machine Learning and Cybernetics</i> , 2012, 3, 277-283.	2.3	3
90	Analysis of convergence performance of neural networks ranking algorithm. <i>Neural Networks</i> , 2012, 34, 65-71.	3.3	6

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91	A general radial quasi-interpolation operator on the sphere. <i>Journal of Approximation Theory</i> , 2012, 164, 1402-1414.	0.5	6
92	Estimates of learning rates of regularized regression via polyline functions. <i>Mathematical Methods in the Applied Sciences</i> , 2012, 35, 174-181.	1.2	0
93	Learning Rates for Regularized Classifiers Using Trigonometric Polynomial Kernels. <i>Neural Processing Letters</i> , 2012, 35, 265-281.	2.0	0
94	Error estimates of quasi-interpolation and its derivatives. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 3137-3146.	1.1	2
95	Multivariate weighted bernstein-type inequality and its applications. <i>Acta Mathematica Scientia</i> , 2012, 32, 471-482.	0.5	0
96	Estimation of convergence rate for multi-regression learning algorithm. <i>Science China Information Sciences</i> , 2012, 55, 701-713.	2.7	1
97	Optimal rate of the regularized regression learning algorithm. <i>International Journal of Computer Mathematics</i> , 2011, 88, 1471-1483.	1.0	1
98	Approximation by Multivariate Baskakov-Durrmeyer Operator. <i>Journal of Inequalities and Applications</i> , 2011, 2011, 158219.	0.5	2
99	Estimation of learning rate of least square algorithm via Jackson operator. <i>Neurocomputing</i> , 2011, 74, 516-521.	3.5	5
100	A study on effectiveness of extreme learning machine. <i>Neurocomputing</i> , 2011, 74, 2483-2490.	3.5	238
101	Optimization approximation solution for regression problem based on extreme learning machine. <i>Neurocomputing</i> , 2011, 74, 2475-2482.	3.5	34
102	Approximation theorems by positive linear operators in weighted spaces. <i>Positivity</i> , 2011, 15, 87-103.	0.3	6
103	The ridge function representation of polynomials and an application to neural networks. <i>Acta Mathematica Sinica, English Series</i> , 2011, 27, 2169-2176.	0.2	8
104	The essential rate of approximation for radial function manifold. <i>Science China Mathematics</i> , 2011, 54, 1985-1994.	0.8	2
105	Learning rates for multi-kernel linear programming classifiers. <i>Frontiers of Mathematics in China</i> , 2011, 6, 203-219.	0.4	0
106	The estimate for approximation error of spherical neural networks. <i>Mathematical Methods in the Applied Sciences</i> , 2011, 34, 1888-1895.	1.2	3
107	The errors of simultaneous approximation of multivariate functions by neural networks. <i>Computers and Mathematics With Applications</i> , 2011, 61, 3146-3152.	1.4	8
108	Learning errors of linear programming support vector regression. <i>Applied Mathematical Modelling</i> , 2011, 35, 1820-1828.	2.2	6

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109	L^p Error Estimates for Scattered Data Interpolation On Spheres. Numerical Functional Analysis and Optimization, 2011, 32, 1205-1218.	0.6	4
110	The errors in simultaneous approximation by feed-forward neural networks. Neurocomputing, 2010, 73, 903-907.	3.5	10
111	The capability of approximation for neural networks interpolant on the sphere. Mathematical Methods in the Applied Sciences, 2010, 34, n/a-n/a.	1.2	2
112	Constructive approximate interpolation by neural networks in the metric space. Mathematical and Computer Modelling, 2010, 52, 1674-1681.	2.0	7
113	Approximation capability of interpolation neural networks. Neurocomputing, 2010, 74, 457-460.	3.5	23
114	Neural networks for interpolation of functionals on a Hilbert space. , 2010, , .		0
115	Global errors for approximate approximations with Gaussian kernels on compact intervals. Applied Mathematics and Computation, 2010, 217, 725-734.	1.4	4
116	A Universal Logic Propositional Calculus System Based on 1-level Universal Operation Models. , 2009, , .		0
117	Fuzzy Congruence Relations and Fuzzy Order Filters. , 2009, , .		0
118	Learning rates for SVM classifiers with polynomial kernels. , 2009, , .		0
119	Interpolation and rates of convergence for a class of neural networks. Applied Mathematical Modelling, 2009, 33, 1441-1456.	2.2	25
120	Lower estimation of approximation rate for neural networks. Science in China Series F: Information Sciences, 2009, 52, 1321-1327.	1.1	1
121	The errors of approximation for feedforward neural networks in the L^p metric. Mathematical and Computer Modelling, 2009, 49, 1563-1572.	2.0	17
122	The approximation operators with sigmoidal functions. Computers and Mathematics With Applications, 2009, 58, 758-765.	1.4	171
123	L^p approximation by multivariate Baskakov-Kantorovich operators. Journal of Mathematical Analysis and Applications, 2008, 348, 856-861.	0.5	5
124	K -functionals and multivariate Bernstein polynomials. Journal of Approximation Theory, 2008, 155, 125-135.	0.5	11
125	The estimate for approximation error of neural networks: A constructive approach. Neurocomputing, 2008, 71, 626-630.	3.5	74
126	The Constructive Methods and Numerical Results for Approximation of Neural Networks. , 2007, , .		0

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127	Derivatives of multidimensional Bernstein operators and smoothness. Journal of Approximation Theory, 2005, 132, 241-257.	0.5	4
128	On multivariate Baskakov operator. Journal of Mathematical Analysis and Applications, 2005, 307, 274-291.	0.5	23
129	Approximation by a class of neural network operators on scattered data. Mathematical Methods in the Applied Sciences, 0, , .	1.2	1