Ronghua Shang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1976111/publications.pdf

Version: 2024-02-01

109 papers	3,357 citations	109137 35 h-index	161609 54 g-index
110 all docs	110 docs citations	110 times ranked	2673 citing authors

#	Article	IF	Citations
1	Local Community Detection Algorithm Based on Alternating Strategy of Strong Fusion and Weak Fusion. IEEE Transactions on Cybernetics, 2023, 53, 818-831.	6.2	6
2	Dynamic Immunization Node Model for Complex Networks Based on Community Structure and Threshold. IEEE Transactions on Cybernetics, 2022, 52, 1539-1552.	6.2	11
3	SAR Image Segmentation Based on Constrained Smoothing and Hierarchical Label Correction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	7
4	Deep Reinforcement Learning for Semisupervised Hyperspectral Band Selection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	2.7	32
5	Local community detection based on higher-order structure and edge information. Physica A: Statistical Mechanics and Its Applications, 2022, 587, 126513.	1.2	22
6	Feature selection based on non-negative spectral feature learning and adaptive rank constraint. Knowledge-Based Systems, 2022, 236, 107749.	4.0	16
7	Multiobjective Guided Divide-and-Conquer Network for Hyperspectral Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	7
8	Sparse and low-dimensional representation with maximum entropy adaptive graph for feature selection. Neurocomputing, 2022, 485, 57-73.	3.5	13
9	Spatial feature-based convolutional neural network for PolSAR image classification. Applied Soft Computing Journal, 2022, 123, 108922.	4.1	17
10	MANet: Multi-Scale Aware-Relation Network for Semantic Segmentation in Aerial Scenes. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	14
11	Hyperspectral Image Classification Based on Multiscale Cross-Branch Response and Second-Order Channel Attention. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	9
12	Evolutionary neural architecture search based on evaluation correction and functional units. Knowledge-Based Systems, 2022, 251, 109206.	4.0	11
13	Convolutional Neural Network Based on Bandwise-Independent Convolution and Hard Thresholding for Hyperspectral Band Selection. IEEE Transactions on Cybernetics, 2021, 51, 4414-4428.	6.2	48
14	Attention Multibranch Convolutional Neural Network for Hyperspectral Image Classification Based on Adaptive Region Search. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5054-5070.	2.7	50
15	Efficient Convolutional Neural Architecture Search for Remote Sensing Image Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6092-6105.	2.7	41
16	Cross-Layer Attention Network for Small Object Detection in Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2148-2161.	2.3	45
17	A Lightweight Keypoint-Based Oriented Object Detection of Remote Sensing Images. Remote Sensing, 2021, 13, 2459.	1.8	12
18	Dual space latent representation learning for unsupervised feature selection. Pattern Recognition, 2021, 114, 107873.	5.1	34

#	Article	IF	Citations
19	Graph Convolutional Neural Networks with Geometric and Discrimination information. Engineering Applications of Artificial Intelligence, 2021, 104, 104364.	4.3	10
20	Dual-graph convolutional network based on band attention and sparse constraint for hyperspectral band selection. Knowledge-Based Systems, 2021, 231, 107428.	4.0	20
21	Hyper-Parameter Optimization Using MARS Surrogate for Machine-Learning Algorithms. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 287-297.	3.4	12
22	Semi-Supervised Graph Regularized Deep NMF With Bi-Orthogonal Constraints for Data Representation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3245-3258.	7.2	43
23	Sparse and low-redundant subspace learning-based dual-graph regularized robust feature selection. Knowledge-Based Systems, 2020, 187, 104830.	4.0	47
24	Unsupervised EA-Based Fuzzy Clustering for Image Segmentation. IEEE Access, 2020, 8, 8627-8647.	2.6	12
25	Complex network graph embedding method based on shortest path and MOEA/D for community detection. Applied Soft Computing Journal, 2020, 97, 106764.	4.1	10
26	Semantic Segmentation for SAR Image Based on Texture Complexity Analysis and Key Superpixels. Remote Sensing, 2020, 12, 2141.	1.8	9
27	Superpixel Boundary-Based Edge Description Algorithm for SAR Image Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1972-1985.	2.3	21
28	SAR Image Segmentation Using Region Smoothing and Label Correction. Remote Sensing, 2020, 12, 803.	1.8	25
29	Multi-scale Adaptive Feature Fusion Network for Semantic Segmentation in Remote Sensing Images. Remote Sensing, 2020, 12, 872.	1.8	63
30	Multiobjective evolutionary algorithm (MOEA)-based sparse clustering. , 2020, , 127-195.		0
31	MOEA-based community detection. , 2020, , 197-232.		0
32	Evolutionary computation-based multiobjective capacitated arc routing optimizations. , 2020, , 233-300.		1
33	Graph-regularized feature selection based on spectral learning and subspace learning. , 2020, , 351-385.		2
34	A Multi-Level Attention Model for Remote Sensing Image Captions. Remote Sensing, 2020, 12, 939.	1.8	25
35	Subspace learning for unsupervised feature selection via adaptive structure learning and rank approximation. Neurocomputing, 2020, 413, 72-84.	3.5	22
36	Double feature selection algorithm based on low-rank sparse non-negative matrix factorization. International Journal of Machine Learning and Cybernetics, 2020, 11, 1891-1908.	2.3	11

#	Article	IF	Citations
37	A thumbnail-based hierarchical fuzzy clustering algorithm for SAR image segmentation. Signal Processing, 2020, 171, 107518.	2.1	20
38	Dense connection and depthwise separable convolution based CNN for polarimetric SAR image classification. Knowledge-Based Systems, 2020, 194, 105542.	4.0	77
39	RADet: Refine Feature Pyramid Network and Multi-Layer Attention Network for Arbitrary-Oriented Object Detection of Remote Sensing Images. Remote Sensing, 2020, 12, 389.	1.8	90
40	Anchor-Free Single Stage Detector in Remote Sensing Images Based on Multiscale Dense Path Aggregation Feature Pyramid Network. IEEE Access, 2020, 8, 63121-63133.	2.6	19
41	Semi-Supervised PolSAR Image Classification Based on Self-Training and Superpixels. Remote Sensing, 2019, 11, 1933.	1.8	23
42	Densely Based Multi-Scale and Multi-Modal Fully Convolutional Networks for High-Resolution Remote-Sensing Image Semantic Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2612-2626.	2.3	80
43	Adversarial Reconstruction-Classification Networks for PolSAR Image Classification. Remote Sensing, 2019, 11, 415.	1.8	10
44	Complex-Valued Convolutional Autoencoder and Spatial Pixel-Squares Refinement for Polarimetric SAR Image Classification. Remote Sensing, 2019, 11, 522.	1.8	21
45	A Deep Learning Method for Change Detection in Synthetic Aperture Radar Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5751-5763.	2.7	126
46	Local discriminative based sparse subspace learning for feature selection. Pattern Recognition, 2019, 92, 219-230.	5.1	52
47	Stacked auto-encoder for classification of polarimetric SAR images based on scattering energy. International Journal of Remote Sensing, 2019, 40, 5094-5120.	1.3	4
48	Sar Image Change Detection Based on Mean Shift Pre-Classification and Fuzzy C-Means. , 2019, , .		8
49	Multi-objective artificial immune algorithm for fuzzy clustering based on multiple kernels. Swarm and Evolutionary Computation, 2019, 50, 100485.	4.5	29
50	Unsupervised feature selection based on kernel fisher discriminant analysis and regression learning. Machine Learning, 2019, 108, 659-686.	3.4	16
51	A dynamic local cluster ratio-based band selection algorithm for hyperspectral images. Soft Computing, 2019, 23, 8281-8289.	2.1	5
52	Application of natural computation inspired method in community detection. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 130-150.	1.2	13
53	A novel location-based DNA matching algorithm for hyperspectral image classification. Memetic Computing, 2019, 11, 175-191.	2.7	1
54	Unsupervised feature selection based on self-representation sparse regression and local similarity preserving. International Journal of Machine Learning and Cybernetics, 2019, 10, 757-770.	2.3	15

#	Article	IF	Citations
55	Feature selection based dual-graph sparse non-negative matrix factorization for local discriminative clustering. Neurocomputing, 2018, 290, 87-99.	3.5	61
56	Dual-graph regularized non-negative matrix factorization with sparse and orthogonal constraints. Engineering Applications of Artificial Intelligence, 2018, 69, 24-35.	4.3	60
57	Memetic algorithm based on extension step and statistical filtering for large-scale capacitated arc routing problems. Natural Computing, 2018, 17, 375-391.	1.8	4
58	Quantum-Inspired Immune Clonal Algorithm for solving large-scale capacitated arc routing problems. Memetic Computing, 2018, 10, 81-102.	2.7	10
59	Non-Negative Spectral Learning and Sparse Regression-Based Dual-Graph Regularized Feature Selection. IEEE Transactions on Cybernetics, 2018, 48, 793-806.	6.2	103
60	A self-paced learning algorithm for change detection in synthetic aperture radar images. Signal Processing, 2018, 142, 375-387.	2.1	29
61	Weighted compactness function based label propagation algorithm for community detection. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 767-780.	1.2	13
62	SAR Image Change Detection Based on Conditional Spatial and Kernel Fuzzy C-Means. , 2018, , .		0
63	SAR Targets Classification Based on Deep Memory Convolution Neural Networks and Transfer Parameters. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2834-2846.	2.3	89
64	A community integration strategy based on an improved modularity density increment for large-scale networks. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 471-485.	1.2	37
65	A Fast Algorithm for SAR Image Segmentation Based on Key Pixels. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5657-5673.	2.3	25
66	Community mining using three closely joint techniques based on community mutual membership and refinement strategy. Applied Soft Computing Journal, 2017, 61, 1060-1073.	4.1	32
67	Nonnegative Matrix Factorization with Rank Regularization and Hard Constraint. Neural Computation, 2017, 29, 2553-2579.	1.3	8
68	A Memetic Algorithm Based on Decomposition and Extended Search for Multi-Objective Capacitated Arc Routing Problem. Lecture Notes in Computer Science, 2017, , 272-283.	1.0	1
69	Quantum-behaved particle swarm optimization with collaborative attractors for nonlinear numerical problems. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 167-183.	1.7	19
70	Quantum-behaved discrete multi-objective particle swarm optimization for complex network clustering. Pattern Recognition, 2017, 63, 1-14.	5.1	86
71	Multi-objective artificial immune algorithm for fuzzy clustering based on multiple kernels. , 2017, , .		4
72	Detection in SAR Images Based on Histogram and Improved Elitist Genetic Fuzzy Clustering. Lecture Notes in Computer Science, 2017, , 541-553.	1.0	1

#	Article	IF	Citations
73	Multi-objective clustering technique based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml109" display="inline" overflow="scroll" altimg="si109.gif"><mml:mi>k</mml:mi></mml:math>-nodes update policy and similarity matrix for mining communities in social networks. Physica A: Statistical Mechanics and Its Applications, 2017, 486, 1-24.	1.2	13
74	Circularly Searching Core Nodes Based Label Propagation Algorithm for Community Detection. International Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1659024.	0.7	9
75	On the use of immune clone optimization for unconstrained multi-objective resource allocation in the cognitive OFDMA networks. , 2016, , .		2
76	Synthetic aperture radar image change detection based on improved bilateral filtering and fuzzy C mean. Journal of Applied Remote Sensing, 2016, 10, 046017.	0.6	5
77	Local Collaborative Representation With Adaptive Dictionary Selection for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1482-1486.	1.4	9
78	An intuitionistic fuzzy possibilistic C-means clustering based on genetic algorithm. , 2016, , .		7
79	A new quantum-behaved particle swarm optimization based on cultural evolution mechanism for multiobjective problems. Knowledge-Based Systems, 2016, 101, 90-99.	4.0	43
80	Immune clonal algorithm based on directed evolution for multi-objective capacitated arc routing problem. Applied Soft Computing Journal, 2016, 49, 748-758.	4.1	22
81	Subspace learning-based graph regularized feature selection. Knowledge-Based Systems, 2016, 112, 152-165.	4.0	74
82	Cultural quantum-behaved particle swarm optimization for environmental/economic dispatch. Applied Soft Computing Journal, 2016, 48, 597-611.	4.1	46
83	Discrete polynary coding immune clonal selectionâ€based joint subcarrier and power allocation in uplink cognitive OFDM network. International Journal of Communication Systems, 2016, 29, 64-83.	1.6	3
84	Learning simultaneous adaptive clustering and classification via MOEA. Pattern Recognition, 2016, 60, 37-50.	5.1	10
85	A multiobjective evolutionary algorithm to find community structures based on affinity propagation. Physica A: Statistical Mechanics and Its Applications, 2016, 453, 203-227.	1.2	54
86	Co-evolution-based immune clonal algorithm for clustering. Soft Computing, 2016, 20, 1503-1519.	2.1	9
87	Global discriminative-based nonnegative spectral clustering. Pattern Recognition, 2016, 55, 172-182.	5.1	73
88	A Spatial Fuzzy Clustering Algorithm With Kernel Metric Based on Immune Clone for SAR Image Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1640-1652.	2.3	62
89	Self-representation based dual-graph regularized feature selection clustering. Neurocomputing, 2016, 171, 1242-1253.	3.5	66
90	Improved Memetic Algorithm Based on Route Distance Grouping for Multiobjective Large Scale Capacitated Arc Routing Problems. IEEE Transactions on Cybernetics, 2016, 46, 1000-1013.	6.2	55

#	ARTICLE	IF	CITATIONS
91	A study of large-scale data clustering based on fuzzy clustering. Soft Computing, 2016, 20, 3231-3242.	2.1	13
92	Immune clonal selection algorithm for capacitated arc routing problem. Soft Computing, 2016, 20, 2177-2204.	2.1	9
93	Overlapping community detection through an improved multi-objective quantum-behaved particle swarm optimization. Journal of Heuristics, 2015, 21, 549-575.	1.1	44
94	Quantum immune clone for solving constrained multi-objective optimization. , 2015, , .		2
95	Large-scale community detection based on node membership grade and sub-communities integration. Physica A: Statistical Mechanics and Its Applications, 2015, 428, 279-294.	1.2	35
96	Dynamic-context cooperative quantum-behaved particle swarm optimization based on multilevel thresholding applied to medical image segmentation. Information Sciences, 2015, 294, 408-422.	4.0	111
97	Quantum immune clonal coevolutionary algorithm for dynamic multiobjective optimization. Soft Computing, 2014, 18, 743-756.	2.1	60
98	Immune clonal coevolutionary algorithm for dynamic multiobjective optimization. Natural Computing, 2014, 13, 421-445.	1.8	10
99	A modified objective function method with feasible-guiding strategy to solve constrained multi-objective optimization problems. Applied Soft Computing Journal, 2014, 14, 363-380.	4.1	76
100	An Improved Decomposition-Based Memetic Algorithm for Multi-Objective Capacitated Arc Routing Problem. Applied Soft Computing Journal, 2014, 19, 343-361.	4.1	31
101	Change detection in SAR images by artificial immune multi-objective clustering. Engineering Applications of Artificial Intelligence, 2014, 31, 53-67.	4.3	44
102	A multi-population cooperative coevolutionary algorithm for multi-objective capacitated arc routing problem. Information Sciences, 2014, 277, 609-642.	4.0	65
103	Kernel clustering using a hybrid memetic algorithm. Natural Computing, 2013, 12, 605-615.	1.8	6
104	Community detection based on modularity and an improved genetic algorithm. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1215-1231.	1.2	173
105	A Novel Immune Clonal Algorithm for MO Problems. IEEE Transactions on Evolutionary Computation, 2012, 16, 35-50.	7.5	135
106	SAR Image Despeckling Using Edge Detection and Feature Clustering in Bandelet Domain. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 131-135.	1.4	54
107	Hybrid Immune Algorithm with intelligent recombination. , 2009, , .		1
108	Medical image segmentation based on immune clonal optimization. , 2009, , .		2

#	Article	IF	Citations
109	Immune Clonal MO Algorithm for 0/1 Knapsack Problems. Lecture Notes in Computer Science, 2006, , 870-878.	1.0	5