

Lizhe Wang

List of Publications by Year in descending order

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340
papers

13,144
citations

26567

56
h-index

39575

94
g-index

352
all docs

352
docs citations

352
times ranked

11179
citing authors

#	ARTICLE	IF	CITATIONS
1	DeFusionNET: Defocus Blur Detection via Recurrently Fusing and Refining Discriminative Multi-Scale Deep Features. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 955-968.	9.7	45
2	Content-Invariant Dual Learning for Change Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	7
3	Cross-View Locality Preserved Diversity and Consensus Learning for Multi-View Unsupervised Feature Selection. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4705-4716.	4.0	99
4	Local Spatial Constraint and Total Variation for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	21
5	Hyperspectral band selection via region-aware latent features fusion based clustering. Information Fusion, 2022, 79, 162-173.	11.7	30
6	L-LUNet: An LSTM Network for Remote Sensing Image Change Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	20
7	Split Depth-Wise Separable Graph-Convolution Network for Road Extraction in Complex Environments From High-Resolution Remote-Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	38
8	Bayesian Temporal Tensor Factorization-Based Interpolation for Time-Series Remote Sensing Data With Large-Area Missing Observations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	2
9	GCSANet: A Global Context Spatial Attention Deep Learning Network for Remote Sensing Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1150-1162.	2.3	51
10	Spatial-Keyword Skyline Publish/Subscribe Query Processing Over Distributed Sliding Window Streaming Data. IEEE Transactions on Computers, 2022, 71, 2659-2674.	2.4	3
11	JAGAN: A Framework for Complex Land Cover Classification Using Gaofen-5 AHSI Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1591-1603.	2.3	21
12	Land-Cover Classification With Time-Series Remote Sensing Images by Complete Extraction of Multiscale Timing Dependence. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1953-1967.	2.3	10
13	Feature-Based Constraint Deep CNN Method for Mapping Rainfall-Induced Landslides in Remote Regions With Mountainous Terrain: An Application to Brazil. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2644-2659.	2.3	13
14	Large-Area Land-Cover Changes Monitoring With Time-Series Remote Sensing Images Using Transferable Deep Models. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	15
15	Nearshore Bathymetry Based on ICESat-2 and Multispectral Images: Comparison Between Sentinel-2, Landsat-8, and Testing Gaofen-2. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2449-2462.	2.3	21
16	Inter-Comparison of Four Models for Detecting Forest Fire Disturbance from MOD13A2 Time Series. Remote Sensing, 2022, 14, 1446.	1.8	8
17	A Survey on Active Deep Learning: From Model Driven to Data Driven. ACM Computing Surveys, 2022, 54, 1-34.	16.1	35
18	An adaptive geographic meshing and coding method for remote sensing data. IOP Conference Series: Earth and Environmental Science, 2022, 1004, 012006.	0.2	0

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19	A Weakly Pseudo-Supervised Decorrelated Subdomain Adaptation Framework for Cross-Domain Land-Use Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	11
20	Water Body Super-Resolution Mapping Based on Multiple Endmember Spectral Mixture Analysis and Multiscale Spatio-Temporal Dependence. Remote Sensing, 2022, 14, 2050.	1.8	5
21	Remote Sensing Image Interpretation With Semantic Graph-Based Methods: A Survey. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4544-4558.	2.3	5
22	MLFF-GAN: A Multilevel Feature Fusion With GAN for Spatiotemporal Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	16
23	Remote Sensing Data Fusion With Generative Adversarial Networks: State-of-the-art methods and future research directions. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 295-328.	4.9	22
24	Understanding the Impact of Urban Expansion and Lake Shrinkage on Summer Climate and Human Thermal Comfort in a Land-Water Mosaic Area. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	11
25	Urban informal settlements classification via a transformer-based spatial-temporal fusion network using multimodal remote sensing and time-series human activity data. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102831.	0.9	7
26	Geological Remote Sensing Interpretation Using Deep Learning Feature and an Adaptive Multisource Data Fusion Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	13
27	CAISOV: Collinear Affine Invariance and Scale-Orientation Voting for Reliable Feature Matching. Remote Sensing, 2022, 14, 3175.	1.8	1
28	Semi-supervised semantic segmentation framework with pseudo supervisions for land-use/land-cover mapping in coastal areas. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102881.	0.9	5
29	Improved Multi-Order Distributed HOSVD with Its Incremental Computing for Smart City Services. IEEE Transactions on Sustainable Computing, 2021, 6, 456-468.	2.2	35
30	Improving Training Instance Quality in Aerial Image Object Detection With a Sampling-Balance-Based Multistage Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10575-10589.	2.7	9
31	GAN-Based Siamese Framework for Landslide Inventory Mapping Using Bi-Temporal Optical Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 391-395.	1.4	30
32	Superpixel-Based Reweighted Low-Rank and Total Variation Sparse Unmixing for Hyperspectral Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 629-647.	2.7	72
33	BaPa: A Novel Approach of Improving Load Balance in Parallel Matrix Factorization for Recommender Systems. IEEE Transactions on Computers, 2021, 70, 789-802.	2.4	4
34	Analyzing Antarctic ice sheet snowmelt with dynamic Big Earth Data. International Journal of Digital Earth, 2021, 14, 88-105.	1.6	9
35	Effect of urban expansion on atmospheric humidity in Beijing-Tianjin-Hebei urban agglomeration. Science of the Total Environment, 2021, 759, 144305.	3.9	27
36	Geographic Optimal Transport for Heterogeneous Data: Fusing Remote Sensing and Social Media. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6935-6945.	2.7	8

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37	CycleGAN-STF: Spatiotemporal Fusion via CycleGAN-Based Image Generation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5851-5865.	2.7	38
38	Incremental Factorization of Big Time Series Data with Blind Factor Approximation. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 569-584.	4.0	32
39	An Efficient Organization Method for Large-Scale and Long Time-Series Remote Sensing Data in a Cloud Computing Environment. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9350-9363.	2.3	6
40	Remote Sensing and Social Sensing Data Fusion for Fine-Resolution Population Mapping With a Multimodel Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5973-5987.	2.3	20
41	Low-latitude reduction-to-the-pole and upward continuation between arbitrary surfaces based on the partial differential equation framework. Geophysical Journal International, 2021, 226, 968-983.	1.0	3
42	A Multi-Level Output-Based DBN Model for Fine Classification of Complex Geo-Environments Area Using Ziyuan-3 TMS Imagery. Sensors, 2021, 21, 2089.	2.1	16
43	Remote Sensing Time Series Classification Based on Self-Attention Mechanism and Time Sequence Enhancement. Remote Sensing, 2021, 13, 1804.	1.8	5
44	Long-term trends of surface and canopy layer urban heat island intensity in 272 cities in the mainland of China. Science of the Total Environment, 2021, 772, 145607.	3.9	52
45	A Study of Diffusion Equation-Based Land-Use/Land-Cover Change Simulation. ISPRS International Journal of Geo-Information, 2021, 10, 383.	1.4	3
46	Distributed Fusion of Heterogeneous Remote Sensing and Social Media Data: A Review and New Developments. Proceedings of the IEEE, 2021, 109, 1350-1363.	16.4	15
47	Improved 1-km-Resolution Hourly Estimates of Aerosol Optical Depth Using Conditional Generative Adversarial Networks. Remote Sensing, 2021, 13, 3834.	1.8	5
48	An Analysis of the Work Resumption in China under the COVID-19 Epidemic Based on Night Time Lights Data. ISPRS International Journal of Geo-Information, 2021, 10, 614.	1.4	13
49	A High-Performance Spatial Range Query-Based Data Discovery Method on Massive Remote Sensing Data via Adaptive Geographic Meshing and Coding. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 117-128.	1.9	3
50	Methods for Small, Weak Object Detection in Optical High-Resolution Remote Sensing Images: A survey of advances and challenges. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 8-34.	4.9	31
51	Classification of Urban Functional Areas From Remote Sensing Images and Time-Series User Behavior Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1207-1221.	2.3	13
52	GAN-Based LUCC Prediction via the Combination of Prior City Planning Information and Land-Use Probability. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10189-10198.	2.3	6
53	Semantic Segmentation for Buildings of Large Intra-Class Variation in Remote Sensing Images with O-GAN. Remote Sensing, 2021, 13, 475.	1.8	22
54	SLA Management for Big Data Analytical Applications in Clouds. ACM Computing Surveys, 2021, 53, 1-40.	16.1	18

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55	Learned Local Features for Structure From Motion of UAV Images: A Comparative Evaluation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10583-10597.	2.3	7
56	3D Magnetic Unstructured Inversion. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022668.	1.4	2
57	Efficient IoT Data Management for Geological Disasters Based on Big Data-Turbocharged Data Lake Architecture. ISPRS International Journal of Geo-Information, 2021, 10, 743.	1.4	3
58	Urban Functional Zone Mapping With a Bibranch Neural Network via Fusing Remote Sensing and Social Sensing Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11737-11749.	2.3	5
59	Fractal Characteristic Analysis of Urban Land-Cover Spatial Patterns with Spatiotemporal Remote Sensing Images in Shenzhen City (1988-2015). Remote Sensing, 2021, 13, 4640.	1.8	8
60	Class-Aware Domain Adaptation for Coastal Land Cover Mapping Using Optical Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11800-11813.	2.3	4
61	Orchestrating Big Data Analysis Workflows in the Cloud. ACM Computing Surveys, 2020, 52, 1-41.	16.1	35
62	Stochastic Workload Scheduling for Uncoordinated Datacenter Clouds with Multiple QoS Constraints. IEEE Transactions on Cloud Computing, 2020, 8, 1284-1295.	3.1	12
63	Map-Balance-Reduce: An improved parallel programming model for load balancing of MapReduce. Future Generation Computer Systems, 2020, 105, 993-1001.	4.9	26
64	A Multi-Order Distributed HOSVD with Its Incremental Computing for Big Services in Cyber-Physical-Social Systems. IEEE Transactions on Big Data, 2020, 6, 666-678.	4.4	46
65	MIASec: Enabling Data Indistinguishability Against Membership Inference Attacks in MLaaS. IEEE Transactions on Sustainable Computing, 2020, 5, 365-376.	2.2	22
66	A detailed comparison of MYD11 and MYD21 land surface temperature products in mainland China. International Journal of Digital Earth, 2020, 13, 1391-1407.	1.6	25
67	Optimizing FHEW With Heterogeneous High-Performance Computing. IEEE Transactions on Industrial Informatics, 2020, 16, 5335-5344.	7.2	2
68	R ² MRF: Defocus Blur Detection via Recurrently Refining Multi-Scale Residual Features. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12063-12070.	3.6	18
69	An Augmentation Attention Mechanism for High-Spatial-Resolution Remote Sensing Image Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3862-3878.	2.3	26
70	Progressive Domain Adaptation for Change Detection Using Season-Varying Remote Sensing Images. Remote Sensing, 2020, 12, 3815.	1.8	11
71	Channel-Attention-Based DenseNet Network for Remote Sensing Image Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4121-4132.	2.3	130
72	Downward Continuation and Transformation of Total-Field Magnetic Anomalies Into Magnetic Gradient Tensors Between Arbitrary Surfaces Using Multilayer Equivalent Sources. Geophysical Research Letters, 2020, 47, e2020GL088678.	1.5	11

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73	Semi-MCNN: A Semisupervised Multi-CNN Ensemble Learning Method for Urban Land Cover Classification Using Submeter HRRS Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4973-4987.	2.3	35
74	Coastal Land Cover Classification of High-Resolution Remote Sensing Images Using Attention-Driven Context Encoding Network. Sensors, 2020, 20, 7032.	2.1	6
75	STGrid: a spatio-temporal grid index model for marine big data. Big Earth Data, 2020, 4, 435-450.	2.0	13
76	Quantitatively evaluating the effect of urbanization on heat waves in China. Science of the Total Environment, 2020, 731, 138857.	3.9	48
77	Temporal Convolutional Networks for the Advance Prediction of ENSO. Scientific Reports, 2020, 10, 8055.	1.6	152
78	Knowledge discovery from remote sensing images: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1371.	4.6	25
79	Sample generation based on a supervised Wasserstein Generative Adversarial Network for high-resolution remote-sensing scene classification. Information Sciences, 2020, 539, 177-194.	4.0	30
80	High-Resolution Remote Sensing Image Scene Classification via Key Filter Bank Based on Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8077-8092.	2.7	60
81	Fine Land Cover Classification in an Open Pit Mining Area Using Optimized Support Vector Machine and WorldView-3 Imagery. Remote Sensing, 2020, 12, 82.	1.8	36
82	Effective IoT-Facilitated Storm Surge Flood Modeling Based on Deep Reinforcement Learning. IEEE Internet of Things Journal, 2020, 7, 6338-6347.	5.5	14
83	Editorial for the special issue on big time series data. Computing (Vienna/New York), 2020, 102, 741-743.	3.2	2
84	Big Earth Data science: an information framework for a sustainable planet. International Journal of Digital Earth, 2020, 13, 743-767.	1.6	76
85	Spectral-Spatial Classification Integrating Band Selection for Hyperspectral Imagery With Severe Noise Bands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1597-1609.	2.3	6
86	Stewardship and analysis of big Earth observation data. Big Earth Data, 2020, 4, 349-352.	2.0	5
87	Ensemble model with cascade attention mechanism for high-resolution remote sensing image scene classification. Optics Express, 2020, 28, 22358.	1.7	5
88	Fractal Characteristics and Evolution of Urban Land-Use: A Case Study in the Shenzhen City (1988-2015). , 2020, , .		2
89	Multi-Level Strategy-Based Spatial Information Prediction for Spatiotemporal Remote Sensing Imagery Fusion. , 2020, , .		0
90	Evapotranspiration partitioning using an optimality-based ecohydrological model in a semiarid shrubland. International Journal of Digital Earth, 2019, 12, 1423-1440.	1.6	2

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91	A time-series classification approach based on change detection for rapid land cover mapping. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 158, 249-262.	4.9	98
92	Cross-View Local Structure Preserved Diversity and Consensus Learning for Multi-View Unsupervised Feature Selection. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5101-5108.	3.6	38
93	A feature selection approach for hyperspectral image based on modified ant lion optimizer. Knowledge-Based Systems, 2019, 168, 39-48.	4.0	99
94	Remote-Sensing Image Denoising With Multi-Sourced Information. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 660-674.	2.3	24
95	Joint Local Block Grouping with Noise-Adjusted Principal Component Analysis for Hyperspectral Remote-Sensing Imagery Sparse Unmixing. Remote Sensing, 2019, 11, 1223.	1.8	11
96	Monitoring finer-scale population density in urban functional zones: A remote sensing data fusion approach. Landscape and Urban Planning, 2019, 190, 103580.	3.4	55
97	Ant Lion Optimizer for Texture Classification: A Moving Convolutional Mask. IEEE Access, 2019, 7, 61697-61705.	2.6	8
98	Feature Selective Projection with Low-Rank Embedding and Dual Laplacian Regularization. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	4.0	58
99	Adaptive Hypergraph Embedded Semi-Supervised Multi-Label Image Annotation. IEEE Transactions on Multimedia, 2019, 21, 2837-2849.	5.2	45
100	An Efficient Indexing Approach for Continuous Spatial Approximate Keyword Queries over Geo-Textual Streaming Data. ISPRS International Journal of Geo-Information, 2019, 8, 57.	1.4	10
101	Big Data Analysis of Remote Sensing Monitoring of Land Cover in Wuhan City from 2000 to 2017. , 2019, , .		0
102	Local Block Grouping with Napca Spatial Preprocessing for Hyperspectral Remote Sensing Imagery Sparse Unmixing. , 2019, , .		1
103	DeFusionNET: Defocus Blur Detection via Recurrently Fusing and Refining Multi-Scale Deep Features. , 2019, , .		45
104	Identification of Hydrothermal Alteration Minerals for Exploring Gold Deposits Based on SVM and PCA Using ASTER Data: A Case Study of Gulong. Remote Sensing, 2019, 11, 3003.	1.8	10
105	Attention based Residual Network for High-Resolution Remote Sensing Imagery Scene Classification. , 2019, , .		14
106	Urban Land Use and Land Cover Change Prediction via Self-Adaptive Cellular Based Deep Learning With Multisourced Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5233-5247.	2.3	37
107	Multimodal and Multi-Model Deep Fusion for Fine Classification of Regional Complex Landscape Areas Using Ziyuan-3 Imagery. Remote Sensing, 2019, 11, 2716.	1.8	23
108	Learning a Joint Affinity Graph for Multiview Subspace Clustering. IEEE Transactions on Multimedia, 2019, 21, 1724-1736.	5.2	192

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109	An Appraisal of Lung Nodules Automatic Classification Algorithms for CT Images. <i>Sensors</i> , 2019, 19, 194.	2.1	29
110	Cross-Layer Multi-Cloud Real-Time Application QoS Monitoring and Benchmarking As-a-Service Framework. <i>IEEE Transactions on Cloud Computing</i> , 2019, 7, 48-61.	3.1	29
111	Improved t-SNE based manifold dimensional reduction for remote sensing data processing. <i>Multimedia Tools and Applications</i> , 2019, 78, 4311-4326.	2.6	25
112	A Tensor Computation and Optimization Model for Cyber-Physical-Social Big Data. <i>IEEE Transactions on Sustainable Computing</i> , 2019, 4, 326-339.	2.2	59
113	Robust unsupervised feature selection via dual self-representation and manifold regularization. <i>Knowledge-Based Systems</i> , 2018, 145, 109-120.	4.0	103
114	Research on Synchronization Technology of Geological Data Acquisition System Based on NFC and Mobile Internet. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850225.	1.0	4
115	The impact of new transportation modes on population distribution in Jing-Jin-Ji region of China. <i>Scientific Data</i> , 2018, 5, 170204.	2.4	25
116	G-ML-Octree: An Update-Efficient Index Structure for Simulating 3D Moving Objects Across GPUs. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018, 29, 1075-1088.	4.0	3
117	Cloud removal for hyperspectral remotely sensed images based on hyperspectral information fusion. <i>International Journal of Remote Sensing</i> , 2018, 39, 6646-6656.	1.3	9
118	Recent advance in earth observation big data for hydrology. <i>Big Earth Data</i> , 2018, 2, 86-107.	2.0	35
119	On the Communication Variability Analysis of the NeCTAR Research Cloud System. <i>IEEE Systems Journal</i> , 2018, 12, 1506-1517.	2.9	2
120	GA-ETI: An enhanced genetic algorithm for the scheduling of scientific workflows in cloud environments. <i>Journal of Computational Science</i> , 2018, 26, 318-331.	1.5	71
121	pipsCloud: High performance cloud computing for remote sensing big data management and processing. <i>Future Generation Computer Systems</i> , 2018, 78, 353-368.	4.9	140
122	A cloud-based remote sensing data production system. <i>Future Generation Computer Systems</i> , 2018, 86, 1154-1166.	4.9	52
123	DUK-SVD: dynamic dictionary updating for sparse representation of a long-time remote sensing image sequence. <i>Soft Computing</i> , 2018, 22, 3331-3342.	2.1	6
124	A Big Data-as-a-Service Framework: State-of-the-Art and Perspectives. <i>IEEE Transactions on Big Data</i> , 2018, 4, 325-340.	4.4	136
125	The BIM-enabled geotechnical information management of a construction project. <i>Computing (Vienna/New York)</i> , 2018, 100, 47-63.	3.2	14
126	A semi-supervised generative framework with deep learning features for high-resolution remote sensing image scene classification. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 145, 23-43.	4.9	157

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127	An Indexing Approach for Efficient Supporting of Continuous Spatial Approximate Keyword Queries. , 2018, , .		1
128	Task Scheduling Methods of Marine Normal Observation Based on DE Algorithm. , 2018, , .		1
129	Towards Building a Distributed Data Management Architecture to Integrate Multi-Sources Remote Sensing Big Data. , 2018, , .		5
130	Adaptive Spatial-Scale-Aware Deep Convolutional Neural Network for High-Resolution Remote Sensing Imagery Scene Classification. , 2018, , .		9
131	Direct tangible damage assessment for regional snowmelt flood disasters with HJ-1 and HR satellite images: a case study of the Altay region, northern Xinjiang, China. Natural Hazards, 2018, 94, 1099-1116.	1.6	7
132	Least Angle Regression-Based Constrained Sparse Unmixing of Hyperspectral Remote Sensing Imagery. Remote Sensing, 2018, 10, 1546.	1.8	11
133	Bayesian tensor factorization for multi-way analysis of multi-dimensional EEG. Neurocomputing, 2018, 318, 162-174.	3.5	40
134	A Distributed HOSVD Method With Its Incremental Computation for Big Data in Cyber-Physical-Social Systems. IEEE Transactions on Computational Social Systems, 2018, 5, 481-492.	3.2	110
135	Online human action recognition based on incremental learning of weighted covariance descriptors. Information Sciences, 2018, 467, 219-237.	4.0	36
136	Big Data Integration in Remote Sensing across a Distributed Metadata-Based Spatial Infrastructure. Remote Sensing, 2018, 10, 7.	1.8	33
137	A Review of Fine-Scale Land Use and Land Cover Classification in Open-Pit Mining Areas by Remote Sensing Techniques. Remote Sensing, 2018, 10, 15.	1.8	73
138	Assessing Different Feature Setsâ€™ Effects on Land Cover Classification in Complex Surface-Mined Landscapes by ZiYuan-3 Satellite Imagery. Remote Sensing, 2018, 10, 23.	1.8	36
139	Remote Sensing Big Data: Theory, Methods and Applications. Remote Sensing, 2018, 10, 711.	1.8	56
140	A parallel self-organizing overlapping community detection algorithm based on swarm intelligence for large scale complex networks. Future Generation Computer Systems, 2018, 89, 265-285.	4.9	14
141	The Next Grand Challenges: Integrating the Internet of Things and Data Science. IEEE Cloud Computing, 2018, 5, 12-26.	5.3	74
142	SuperPCA: A Superpixelwise PCA Approach for Unsupervised Feature Extraction of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4581-4593.	2.7	233
143	Game-Theoretic Market-Driven Smart Home Scheduling Considering Energy Balancing. IEEE Systems Journal, 2017, 11, 910-921.	2.9	33
144	Trusted Performance Analysis on Systems With a Shared Memory. IEEE Systems Journal, 2017, 11, 272-282.	2.9	3

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145	A balanced scheduler with data reuse and replication for scientific workflows in cloud computing systems. <i>Future Generation Computer Systems</i> , 2017, 74, 168-178.	4.9	67
146	An Infrastructure Service Recommendation System for Cloud Applications with Real-time QoS Requirement Constraints. <i>IEEE Systems Journal</i> , 2017, 11, 2960-2970.	2.9	22
147	G-IK-SVD: parallel IK-SVD on GPUs for sparse representation of spatial big data. <i>Journal of Supercomputing</i> , 2017, 73, 3433-3450.	2.4	7
148	Fields of Experts Based Multichannel Compressed Sensing. <i>Journal of Signal Processing Systems</i> , 2017, 86, 111-121.	1.4	7
149	Special issue on Big Data and Cloud of Things (CoT). <i>Software - Practice and Experience</i> , 2017, 47, 345-347.	2.5	0
150	SIPF. <i>Transactions on Embedded Computing Systems</i> , 2017, 16, 1-18.	2.1	17
151	A scalable parallel algorithm for atmospheric general circulation models on a multi-core cluster. <i>Future Generation Computer Systems</i> , 2017, 72, 1-10.	4.9	25
152	Geographic spatiotemporal big data correlation analysis via the Hilbert-Huang transformation. <i>Journal of Computer and System Sciences</i> , 2017, 89, 130-141.	0.9	15
153	A data-check based distributed storage model for storing hot temporary data. <i>Future Generation Computer Systems</i> , 2017, 73, 13-21.	4.9	7
154	Air quality data clustering using EPLS method. <i>Information Fusion</i> , 2017, 36, 225-232.	11.7	30
155	Spatiotemporal Fusion of MODIS and Landsat-7 Reflectance Images via Compressed Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 7126-7139.	2.7	44
156	An implementation of distributed and HTTP-based geological petroleum data web service with RESTful architecture. <i>Geosystem Engineering</i> , 2017, 20, 337-347.	0.7	1
157	Software systems for data-centric smart city applications. <i>Software - Practice and Experience</i> , 2017, 47, 1043.	2.5	1
158	Associative retrieval in spatial big data based on spreading activation with semantic ontology. <i>Future Generation Computer Systems</i> , 2017, 76, 499-509.	4.9	8
159	Secure authentication in motion: A novel online payment framework for drive-thru Internet. <i>Future Generation Computer Systems</i> , 2017, 76, 146-158.	4.9	4
160	Design Automation for Interwell Connectivity Estimation in Petroleum Cyber-Physical Systems. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2017, 36, 255-264.	1.9	22
161	H-PARAFAC: Hierarchical Parallel Factor Analysis of Multidimensional Big Data. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2017, 28, 1091-1104.	4.0	49
162	An efficient online direction-preserving compression approach for trajectory streaming data. <i>Future Generation Computer Systems</i> , 2017, 68, 150-162.	4.9	25

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163	Parallel compressive sampling matching pursuit algorithm for compressed sensing signal reconstruction with OpenCL. <i>Journal of Systems Architecture</i> , 2017, 72, 51-60.	2.5	21
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