

Junshi Xia

List of Publications by Year in descending order

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63
papers

3,229
citations

159585

30
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56
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docs citations

63
times ranked

3107
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating Multilayer Features of Convolutional Neural Networks for Remote Sensing Scene Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5653-5665.	6.3	250
2	Multiple Classifier System for Remote Sensing Image Classification: A Review. <i>Sensors</i> , 2012, 12, 4764-4792.	3.8	246
3	Hyperspectral Remote Sensing Image Classification Based on Rotation Forest. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 239-243.	3.1	183
4	Information fusion techniques for change detection from multi-temporal remote sensing images. <i>Information Fusion</i> , 2013, 14, 19-27.	19.1	173
5	A New Pansharpening Method Based on Spatial and Spectral Sparsity Priors. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 4160-4174.	9.8	140
6	Random Subspace Ensembles for Hyperspectral Image Classification With Extended Morphological Attribute Profiles. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 4768-4786.	6.3	130
7	Random Forest Ensembles and Extended Multiextinction Profiles for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 202-216.	6.3	123
8	Spectral-Spatial Classification for Hyperspectral Data Using Rotation Forests With Local Feature Extraction and Markov Random Fields. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2532-2546.	6.3	119
9	Open Data for Global Multimodal Land Use Classification: Outcome of the 2017 IEEE GRSS Data Fusion Contest. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 1363-1377.	4.9	104
10	A Review of Remote Sensing Approaches for Monitoring Blue Carbon Ecosystems: Mangroves, Seagrasses and Salt Marshes during 2010-2018. <i>Sensors</i> , 2019, 19, 1933.	3.8	93
11	Hyperspectral Image Classification With Rotation Random Forest Via KPCA. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 1601-1609.	4.9	93
12	Rotation-Based Support Vector Machine Ensemble in Classification of Hyperspectral Data With Limited Training Samples. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 1519-1531.	6.3	87
13	Object-Based Change Detection in Urban Areas from High Spatial Resolution Images Based on Multiple Features and Ensemble Learning. <i>Remote Sensing</i> , 2018, 10, 276.	4.0	82
14	Advances of Four Machine Learning Methods for Spatial Data Handling: a Review. <i>Journal of Geovisualization and Spatial Analysis</i> , 2020, 4, 1.	4.3	82
15	Comparison of Machine Learning Methods for Estimating Mangrove Above-Ground Biomass Using Multiple Source Remote Sensing Data in the Red River Delta Biosphere Reserve, Vietnam. <i>Remote Sensing</i> , 2020, 12, 1334.	4.0	74
16	Estimating Mangrove Above-Ground Biomass Using Extreme Gradient Boosting Decision Trees Algorithm with Fused Sentinel-2 and ALOS-2 PALSAR-2 Data in Can Gio Biosphere Reserve, Vietnam. <i>Remote Sensing</i> , 2020, 12, 777.	4.0	69
17	Performance Evaluation of Downscaling Sentinel-2 Imagery for Land Use and Land Cover Classification by Spectral-Spatial Features. <i>Remote Sensing</i> , 2017, 9, 1274.	4.0	67
18	Spectral-Spatial Classification of Hyperspectral Images Using ICA and Edge-Preserving Filter via an Ensemble Strategy. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 4971-4982.	6.3	66

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19	Multi-Source Data Fusion Based on Ensemble Learning for Rapid Building Damage Mapping during the 2018 Sulawesi Earthquake and Tsunami in Palu, Indonesia. <i>Remote Sensing</i> , 2019, 11, 886.	4.0	64
20	Hyperspectral Image Classification With Canonical Correlation Forests. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 421-431.	6.3	58
21	Learning from multimodal and multitemporal earth observation data for building damage mapping. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 175, 132-143.	11.1	55
22	Tropical forest canopy height estimation from combined polarimetric SAR and LiDAR using machine-learning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 172, 79-94.	11.1	49
23	Building Damage Detection Using U-Net with Attention Mechanism from Pre- and Post-Disaster Remote Sensing Datasets. <i>Remote Sensing</i> , 2021, 13, 905.	4.0	48
24	Improvement of Mangrove Soil Carbon Stocks Estimation in North Vietnam Using Sentinel-2 Data and Machine Learning Approach. <i>GIScience and Remote Sensing</i> , 2021, 58, 68-87.	5.9	47
25	Fusion of Hyperspectral and LiDAR Data With a Novel Ensemble Classifier. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 957-961.	3.1	40
26	Feature and Model Level Fusion of Pretrained CNN for Remote Sensing Scene Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 2600-2611.	4.9	40
27	Remote Sensing Image Interpretation for Urban Environment Analysis: Methods, System and Examples. <i>Remote Sensing</i> , 2014, 6, 9458-9474.	4.0	39
28	Improving Random Forest With Ensemble of Features and Semisupervised Feature Extraction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1471-1475.	3.1	39
29	Estimation of All-Weather 1 km MODIS Land Surface Temperature for Humid Summer Days. <i>Remote Sensing</i> , 2020, 12, 1398.	4.0	34
30	Multiple Feature Kernel Sparse Representation Classifier for Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5343-5356.	6.3	30
31	DisOptNet: Distilling Semantic Knowledge From Optical Images for Weather-Independent Building Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	29
32	Multisource Earth Observation Data for Land-Cover Classification Using Random Forest. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 789-793.	3.1	28
33	Semi-supervised rotation forest based on ensemble margin theory for the classification of hyperspectral image with limited training data. <i>Information Sciences</i> , 2021, 575, 611-638.	6.9	26
34	Kernel Fused Representation-Based Classifier for Hyperspectral Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 684-688.	3.1	23
35	GPU-Accelerated CatBoost-Forest for Hyperspectral Image Classification Via Parallelized mRMR Ensemble Subspace Feature Selection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 3200-3214.	4.9	23
36	Hyperspectral and LiDAR Classification With Semisupervised Graph Fusion. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 666-670.	3.1	22

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37	Probabilistic Mangrove Species Mapping with Multiple-Source Remote-Sensing Datasets Using Label Distribution Learning in Xuan Thuy National Park, Vietnam. <i>Remote Sensing</i> , 2020, 12, 3834.	4.0	22
38	Class-Separation-Based Rotation Forest for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 584-588.	3.1	20
39	Mapping Urban Land Cover of a Large Area Using Multiple Sensors Multiple Features. <i>Remote Sensing</i> , 2018, 10, 872.	4.0	20
40	Channel Attention-Based Temporal Convolutional Network for Satellite Image Time Series Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	20
41	Ensemble Learning Approaches Based on Covariance Pooling of CNN Features for High Resolution Remote Sensing Scene Classification. <i>Remote Sensing</i> , 2020, 12, 3292.	4.0	19
42	Multikernel Adaptive Collaborative Representation for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 4664-4677.	6.3	18
43	Spectral Spatial Rotation Forest for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 4605-4613.	4.9	17
44	A Benchmark High-Resolution GaoFen-3 SAR Dataset for Building Semantic Segmentation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 5950-5963.	4.9	17
45	Rotation-Based Ensemble Classifiers for High-Dimensional Data. , 2014, , 135-160.		17
46	Spatiotemporal changes of glacier and seasonal snow fluctuations over the Namcha Barwa Gyala Peri massif using object-based classification from Landsat time series. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 177, 21-37.	11.1	16
47	Class-Oriented Weighted Kernel Sparse Representation With Region-Level Kernel for Hyperspectral Imagery Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 1118-1130.	4.9	15
48	Automatic Updating of Land Cover Maps in Rapidly Urbanizing Regions by Relational Knowledge Transferring from GlobeLand30. <i>Remote Sensing</i> , 2019, 11, 1397.	4.0	15
49	Spectral Indices for Estimating Exposed Carbonate Rock Fraction in Karst Areas of Southwest China. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1988-1992.	3.1	14
50	Kernel Supervised Ensemble Classifier for the Classification of Hyperspectral Data Using Few Labeled Samples. <i>Remote Sensing</i> , 2016, 8, 601.	4.0	14
51	Dissimilarity-Weighted Sparse Representation for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 1968-1972.	3.1	14
52	An Improved Feature Set for Hyperspectral Image Classification: Harmonic Analysis Optimized by Multiscale Guided Filter. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 3903-3916.	4.9	14
53	A Multi-Scale Superpixel-Guided Filter Feature Extraction and Selection Approach for Classification of Very-High-Resolution Remotely Sensed Imagery. <i>Remote Sensing</i> , 2020, 12, 862.	4.0	13
54	Identifying Damaged Buildings in Aerial Images Using the Object Detection Method. <i>Remote Sensing</i> , 2021, 13, 4213.	4.0	13

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55	Landslide Extraction Using Mask R-CNN with Background-Enhancement Method. Remote Sensing, 2022, 14, 2206.	4.0	13
56	Fusion and classification of Beijing-1 small satellite remote sensing image for land cover monitoring in mining area. Chinese Geographical Science, 2011, 21, 656-665.	3.0	12
57	Classification of hyperspectral data with ensemble of subspace ICA and edge-preserving filtering. , 2016, , .		8
58	Semi-supervised graph fusion of hyperspectral and lidar data for classification. , 2015, , .		7
59	An Effective Method for Detecting Clouds in GaoFen-4 Images of Coastal Zones. Remote Sensing, 2020, 12, 3003.	4.0	7
60	Supervised classification methods in hyperspectral imaging—recent advances. Data Handling in Science and Technology, 2019, 32, 247-279.	3.1	5
61	Big Earth Observation Data Processing for Disaster Damage Mapping. , 2021, , 99-118.		2
62	DML: Differ-Modality Learning for Building Semantic Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	2
63	Classification of large-sized hyperspectral imagery using fast machine learning algorithms. Journal of Applied Remote Sensing, 2017, 11, 035005.	1.3	0