

Junshi Xia

List of Publications by Year in descending order

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papers

3,229
citations

159585

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all docs

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docs citations

63
times ranked

3107
citing authors

#	ARTICLE	IF	CITATIONS
1	Channel Attention-Based Temporal Convolutional Network for Satellite Image Time Series Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	20
2	DML: Differ-Modality Learning for Building Semantic Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	2
3	DisOptNet: Distilling Semantic Knowledge From Optical Images for Weather-Independent Building Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	29
4	Landslide Extraction Using Mask R-CNN with Background-Enhancement Method. Remote Sensing, 2022, 14, 2206.	4.0	13
5	A Benchmark High-Resolution GaoFen-3 SAR Dataset for Building Semantic Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5950-5963.	4.9	17
6	GPU-Accelerated CatBoost-Forest for Hyperspectral Image Classification Via Parallelized mRMR Ensemble Subspace Feature Selection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3200-3214.	4.9	23
7	Tropical forest canopy height estimation from combined polarimetric SAR and LiDAR using machine-learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 172, 79-94.	11.1	49
8	Building Damage Detection Using U-Net with Attention Mechanism from Pre- and Post-Disaster Remote Sensing Datasets. Remote Sensing, 2021, 13, 905.	4.0	48
9	Learning from multimodal and multitemporal earth observation data for building damage mapping. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 132-143.	11.1	55
10	Spatiotemporal changes of glacier and seasonal snow fluctuations over the Namcha Barwaâ€“Gyala Peri massif using object-based classification from Landsat time series. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 177, 21-37.	11.1	16
11	Semi-supervised rotation forest based on ensemble margin theory for the classification of hyperspectral image with limited training data. Information Sciences, 2021, 575, 611-638.	6.9	26
12	Improvement of Mangrove Soil Carbon Stocks Estimation in North Vietnam Using Sentinel-2 Data and Machine Learning Approach. GIScience and Remote Sensing, 2021, 58, 68-87.	5.9	47
13	Identifying Damaged Buildings in Aerial Images Using the Object Detection Method. Remote Sensing, 2021, 13, 4213.	4.0	13
14	Big Earth Observation Data Processing for Disaster Damage Mapping. , 2021, , 99-118.		2
15	Hyperspectral and LiDAR Classification With Semisupervised Graph Fusion. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 666-670.	3.1	22
16	An Improved Feature Set for Hyperspectral Image Classification: Harmonic Analysis Optimized by Multiscale Guided Filter. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3903-3916.	4.9	14
17	Probabilistic Mangrove Species Mapping with Multiple-Source Remote-Sensing Datasets Using Label Distribution Learning in Xuan Thuy National Park, Vietnam. Remote Sensing, 2020, 12, 3834.	4.0	22
18	An Effective Method for Detecting Clouds in GaoFen-4 Images of Coastal Zones. Remote Sensing, 2020, 12, 3003.	4.0	7

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19	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
20	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
21	Estimation of All-Weather 1 km MODIS Land Surface Temperature for Humid Summer Days. <i>Remote Sensing</i> , 2020, 12, 1398.	4.0	34
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Supervised classification methods in hyperspectral imaging—recent advances. <i>Data Handling in Science and Technology</i> , 2019, 32, 247-279.	3.1	5
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Mapping Urban Land Cover of a Large Area Using Multiple Sensors Multiple Features. Remote Sensing, 2018, 10, 872.	4.0	20
38	Multikernel Adaptive Collaborative Representation for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4664-4677.	6.3	18
39	Kernel Fused Representation-Based Classifier for Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 684-688.	3.1	23
40	Dissimilarity-Weighted Sparse Representation for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1968-1972.	3.1	14
41	Classification of large-sized hyperspectral imagery using fast machine learning algorithms. Journal of Applied Remote Sensing, 2017, 11, 035005.	1.3	0
42	Spectral-Spatial Rotation Forest for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4605-4613.	4.9	17
43	Integrating Multilayer Features of Convolutional Neural Networks for Remote Sensing Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5653-5665.	6.3	250
44	Hyperspectral Image Classification With Canonical Correlation Forests. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 421-431.	6.3	58
45	Performance Evaluation of Downscaling Sentinel-2 Imagery for Land Use and Land Cover Classification by Spectral-Spatial Features. Remote Sensing, 2017, 9, 1274.	4.0	67
46	Hyperspectral Image Classification With Rotation Random Forest Via KPCA. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1601-1609.	4.9	93
47	Kernel Supervised Ensemble Classifier for the Classification of Hyperspectral Data Using Few Labeled Samples. Remote Sensing, 2016, 8, 601.	4.0	14
48	Classification of hyperspectral data with ensemble of subspace ICA and edge-preserving filtering. , 2016, , .		8
49	Spectral-Spatial Classification of Hyperspectral Images Using ICA and Edge-Preserving Filter via an Ensemble Strategy. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4971-4982.	6.3	66
50	Class-Separation-Based Rotation Forest for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 584-588.	3.1	20
51	Rotation-Based Support Vector Machine Ensemble in Classification of Hyperspectral Data With Limited Training Samples. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1519-1531.	6.3	87
52	Improving Random Forest With Ensemble of Features and Semisupervised Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1471-1475.	3.1	39
53	Semi-supervised graph fusion of hyperspectral and lidar data for classification. , 2015, , .		7
54	Spectral Indices for Estimating Exposed Carbonate Rock Fraction in Karst Areas of Southwest China. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1988-1992.	3.1	14

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55	Random Subspace Ensembles for Hyperspectral Image Classification With Extended Morphological Attribute Profiles. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4768-4786.	6.3	130
56	Spectral-Spatial Classification for Hyperspectral Data Using Rotation Forests With Local Feature Extraction and Markov Random Fields. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2532-2546.	6.3	119
57	Hyperspectral Remote Sensing Image Classification Based on Rotation Forest. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 239-243.	3.1	183
58	A New Pansharpening Method Based on Spatial and Spectral Sparsity Priors. IEEE Transactions on Image Processing, 2014, 23, 4160-4174.	9.8	140
59	Remote Sensing Image Interpretation for Urban Environment Analysis: Methods, System and Examples. Remote Sensing, 2014, 6, 9458-9474.	4.0	39
60	Rotation-Based Ensemble Classifiers for High-Dimensional Data. , 2014, , 135-160.		17
61	Information fusion techniques for change detection from multi-temporal remote sensing images. Information Fusion, 2013, 14, 19-27.	19.1	173
62	Multiple Classifier System for Remote Sensing Image Classification: A Review. Sensors, 2012, 12, 4764-4792.	3.8	246
63	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