

Alim Samat

List of Publications by Year in descending order

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2,088
citations

318942

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45
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64
all docs

64
docs citations

64
times ranked

2669
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Bilinear CNN Model for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	9
2	First and Second-Order Information Fusion Networks for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
3	CatBoost for RS Image Classification With Pseudo Label Support From Neighbor Patches-Based Clustering. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	23
4	Novel Cross-Resolution Feature-Level Fusion for Joint Classification of Multispectral and Panchromatic Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	10
5	Mapping Blue and Red Color-Coated Steel Sheet Roof Buildings over China Using Sentinel-2A/B MSIL2A Images. Remote Sensing, 2022, 14, 230.	1.8	7
6	Temporal characterization of sand and dust storm activity and its climatic and terrestrial drivers in the Aral Sea region. Atmospheric Research, 2022, 275, 106242.	1.8	6
7	A Shallow-to-Deep Feature Fusion Network for VHR Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	17
8	An Object-Oriented CNN Model Based on Improved Superpixel Segmentation for High-Resolution Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4782-4796.	2.3	9
9	A novel hybrid sand and dust storm detection method using MODIS data on GEE platform. European Journal of Remote Sensing, 2022, 55, 420-428.	1.7	2
10	Quantifying the influences of land surface parameters on LST variations based on GeoDetector model in Syr Darya Basin, Central Asia. Journal of Arid Environments, 2021, 186, 104415.	1.2	25
11	A Novel Feature Fusion Approach for VHR Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 464-473.	2.3	17
12	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.	2.3	23
13	Estimating Artificial Impervious Surface Percentage in Asia by Fusing Multi-Temporal MODIS and VIIRS Nighttime Light Data. Remote Sensing, 2021, 13, 212.	1.8	9
14	Improving Deep Forest via Patch-Based Pooling, Morphological Profiling, and Pseudo Labeling for Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9334-9349.	2.3	7
15	Edge Gradient-Based Active Learning for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1588-1592.	1.4	8
16	Quantitative Soil Wind Erosion Potential Mapping for Central Asia Using the Google Earth Engine Platform. Remote Sensing, 2020, 12, 3430.	1.8	34
17	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.	2.3	14
18	New Scheme for Impervious Surface Area Mapping From SAR Images With Auxiliary User-Generated Content. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5954-5970.	2.3	2

#	ARTICLE	IF	CITATIONS
19	Ensemble of ERDTs for Spectralâ€“Spatial Classification of Hyperspectral Images Using MRS Object-Guided Morphological Profiles. <i>Journal of Imaging</i> , 2020, 6, 114.	1.7	2
20	Advances of Four Machine Learning Methods for Spatial Data Handling: a Review. <i>Journal of Geovisualization and Spatial Analysis</i> , 2020, 4, 1.	2.1	82
21	Meta-XGBoost for Hyperspectral Image Classification Using Extended MSER-Guided Morphological Profiles. <i>Remote Sensing</i> , 2020, 12, 1973.	1.8	60
22	Spatio-Temporal Variations of Satellite-Based PM2.5 Concentrations and Its Determinants in Xinjiang, Northwest of China. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2157.	1.2	20
23	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.	1.8	13
24	Length-Weight Relationship and Relative Condition Factor of Tor Tembra in Tembat Reservoir, Terengganu, Peninsular Malaysia: Indication of Environmental Health. <i>Water Resources Development and Management</i> , 2020, , 447-456.	0.3	2
25	Remote sensing-based land surface change identification and prediction in the Aral Sea bed, Central Asia. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2031-2046.	1.8	34
26	The Spatial and Temporal Land Cover Patterns of the Qazaly Irrigation Zone in 2003â€“2018: The Case of Syrdarya Riverâ€™s Lower Reaches, Kazakhstan. <i>Sustainability</i> , 2019, 11, 4035.	1.6	6
27	Direct, ECOC, ND and END Frameworksâ€“Which One Is the Best? An Empirical Study of Sentinel-2A MSI L1C Image Classification for Arid-Land Vegetation Mapping in the Ili River Delta, Kazakhstan. <i>Remote Sensing</i> , 2019, 11, 1953.	1.8	10
28	Unsupervised Change Detection in Multispectral Remote Sensing Images via Spectral-Spatial Band Expansion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 3578-3587.	2.3	43
29	Automatic Updating of Land Cover Maps in Rapidly Urbanizing Regions by Relational Knowledge Transferring from GlobeLand30. <i>Remote Sensing</i> , 2019, 11, 1397.	1.8	15
30	Use of colour transformation and the geodesic method for road centreline extraction from VHR satellite images. <i>International Journal of Remote Sensing</i> , 2019, 40, 4043-4058.	1.3	5
31	Integration of Satellite Images and Open Data for Impervious Surface Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1120-1133.	2.3	9
32	High-Resolution Imagery Classification Based on Different Levels of Information. <i>Remote Sensing</i> , 2019, 11, 2916.	1.8	9
33	A Multiscale Superpixel-Guided Filter Approach for VHR Remote Sensing Image Classification. , 2019, , .		1
34	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.	2.3	40
35	Evaluation of ForestPA for VHR RS image classification using spectral and superpixel-guided morphological profiles. <i>European Journal of Remote Sensing</i> , 2019, 52, 107-121.	1.7	6
36	Unsupervised Multi-Class Change Detection in Bitemporal Multispectral Images Using Band Expansion. , 2018, , .		1

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37	Identifying the Key Information and Land Management Plans for Water Conservation under Dry Weather Conditions in the Border Areas of the Syr Darya River in Kazakhstan. <i>Water (Switzerland)</i> , 2018, 10, 1754.	1.2	28
38	Quad-PoSAR data classification using modified random forest algorithms to map halophytic plants in arid areas. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 73, 503-521.	1.4	6
39	Classification of VHR Multispectral Images Using ExtraTrees and Maximally Stable Extremal Region-Guided Morphological Profile. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 3179-3195.	2.3	32
40	Fuzzy multiclass active learning for hyperspectral image classification. <i>IET Image Processing</i> , 2018, 12, 1095-1101.	1.4	4
41	Spatiotemporal Pattern of PM2.5 Concentrations in Mainland China and Analysis of Its Influencing Factors using Geographically Weighted Regression. <i>Scientific Reports</i> , 2017, 7, 40607.	1.6	107
42	Oil Spill Detection via Multitemporal Optical Remote Sensing Images: A Change Detection Perspective. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 324-328.	1.4	45
43	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.	2.7	250
44	Multiscale Morphological Compressed Change Vector Analysis for Unsupervised Multiple Change Detection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 4124-4137.	2.3	65
45	Mid-Level Feature Representation via Sparse Autoencoder for Remotely Sensed Scene Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 1068-1081.	2.3	31
46	A spectral-spatial multiscale approach for unsupervised multiple change detection. , 2017, , .		2
47	Band Selection-Based Dimensionality Reduction for Change Detection in Multi-Temporal Hyperspectral Images. <i>Remote Sensing</i> , 2017, 9, 1008.	1.8	36
48	System Dynamics Modeling of Water Level Variations of Lake Issyk-Kul, Kyrgyzstan. <i>Water (Switzerland)</i> , 2017, 9, 989.	1.2	34
49	Supervised and Semi-Supervised Multi-View Canonical Correlation Analysis Ensemble for Heterogeneous Domain Adaptation in Remote Sensing Image Classification. <i>Remote Sensing</i> , 2017, 9, 337.	1.8	22
50	Quantitative Estimation of Carbonate Rock Fraction in Karst Regions Using Field Spectra in 2.0–2.5 μ m. <i>Remote Sensing</i> , 2016, 8, 68.	1.8	4
51	Geodesic Flow Kernel Support Vector Machine for Hyperspectral Image Classification by Unsupervised Subspace Feature Transfer. <i>Remote Sensing</i> , 2016, 8, 234.	1.8	28
52	Jointly Informative and Manifold Structure Representative Sampling Based Active Learning for Remote Sensing Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 6803-6817.	2.7	13
53	A review on the research of modern aeolian dust in Central Asia. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	40
54	A multitemporal change detection solution to oil spill monitoring. , 2016, , .		0

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55	Improved hyperspectral image classification by active learning using pre-designed mixed pixels. Pattern Recognition, 2016, 51, 43-58.	5.1	59
56	Information Fusion for Urban Road Extraction From VHR Optical Satellite Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1817-1829.	2.3	19
57	Evaluation on the natural suitability of urban human settlement environment using multisource data. , 2015, , .		1
58	Random Forest and Rotation Forest for fully polarized SAR image classification using polarimetric and spatial features. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 105, 38-53.	4.9	357
59	An automatic approach for urban land-cover classification from Landsat-8 OLI data. International Journal of Remote Sensing, 2015, 36, 5983-6007.	1.3	22
60	Active extreme learning machines for quad-polarimetric SAR imagery classification. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 305-319.	1.4	30
61	Polarimetric SAR image classification by Boosted Multiple-Kernel Extreme Learning Machines with polarimetric and spatial features. International Journal of Remote Sensing, 2014, 35, 7978-7990.	1.3	53
62	$\{m E\}^2\{m LMs\}$: Ensemble Extreme Learning Machines for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1060-1069.	2.3	190
63	Ensemble Learning with Multiple Classifiers and Polarimetric Features for Polarized SAR Image Classification. Photogrammetric Engineering and Remote Sensing, 2014, 80, 239-251.	0.3	26
64	Advanced spectral signature discrimination algorithm. , 2013, , .		0