

Kai Liu

List of Publications by Year in descending order

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39
papers

1,396
citations

394286

19
h-index

360920

35
g-index

40
all docs

40
docs citations

40
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovering Spatial-Temporal Indication of Crime Association (STICA). ISPRS International Journal of Geo-Information, 2021, 10, 67.	1.4	4
2	Combining UAV-based hyperspectral and LiDAR data for mangrove species classification using the rotation forest algorithm. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102414.	1.4	18
3	Derivation of spatially detailed lentic habitat map and inventory at a basin scale by integrating multispectral Sentinel-2 satellite imagery and USGS Digital Elevation Models. Journal of Hydrology, 2021, 603, 126876.	2.3	8
4	Combining GF-2 and RapidEye satellite data for mapping mangrove species using ensemble machine-learning methods. International Journal of Remote Sensing, 2020, 41, 813-838.	1.3	20
5	Dynamic optimization for gas blending in pipeline networks with gas interchangeability control. AIChE Journal, 2020, 66, e16908.	1.8	4
6	Estimating and Mapping Mangrove Biomass Dynamic Change Using WorldView-2 Images and Digital Surface Models. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2123-2134.	2.3	10
7	Integration of GF2 Optical, GF3 SAR, and UAV Data for Estimating Aboveground Biomass of China's Largest Artificially Planted Mangroves. Remote Sensing, 2020, 12, 2039.	1.8	42
8	Changes of ecosystem carbon stock following the plantation of exotic mangrove <i>Sonneratia apetala</i> in Qi'ao Island, China. Science of the Total Environment, 2020, 717, 137142.	3.9	36
9	Object-Oriented Mangrove Species Classification Using Hyperspectral Data and 3-D Siamese Residual Network. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 2150-2154.	1.4	14
10	Simultaneous removal of Cd(II) and As(III) by graphene-like biochar-supported zero-valent iron from irrigation waters under aerobic conditions: Synergistic effects and mechanisms. Journal of Hazardous Materials, 2020, 395, 122623.	6.5	174
11	A robust segmentation framework for closely packed buildings from airborne LiDAR point clouds. International Journal of Remote Sensing, 2020, 41, 5147-5165.	1.3	17
12	Exploring the Quality of Urban Green Spaces Based on Urban Neighborhood Green Index—A Case Study of Guangzhou City. Sustainability, 2019, 11, 5507.	1.6	19
13	The changing pattern of urban flooding in Guangzhou, China. Science of the Total Environment, 2018, 622-623, 394-401.	3.9	74
14	Analyzing Trends of Dike-Ponds between 1978 and 2016 Using Multi-Source Remote Sensing Images in Shunde District of South China. Sustainability, 2018, 10, 3504.	1.6	12
15	Identifying Mangrove Species Using Field Close-Range Snapshot Hyperspectral Imaging and Machine-Learning Techniques. Remote Sensing, 2018, 10, 2047.	1.8	32
16	Object-Based Mangrove Species Classification Using Unmanned Aerial Vehicle Hyperspectral Images and Digital Surface Models. Remote Sensing, 2018, 10, 89.	1.8	165
17	Kernel Low-Rank Multitask Learning in Variational Mode Decomposition Domain for Multi-/Hyperspectral Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4193-4208.	2.7	22
18	Influences of forest on MODIS snow cover mapping and snow variations in the Amur River basin in Northeast Asia during 2000–2014. Hydrological Processes, 2017, 31, 3225-3241.	1.1	15

#	ARTICLE	IF	CITATIONS
19	The Dynamic of Dike-Pond System in the Pearl River Delta During 1964–2012. , 2017, , 47-59.		0
20	Impact of public bus system on spatial burglary patterns in a Chinese urban context. Applied Geography, 2017, 89, 142-149.	1.7	19
21	A Novel Building Type Classification Scheme Based on Integrated LiDAR and High-Resolution Images. Remote Sensing, 2017, 9, 679.	1.8	34
22	Exploring the Potential of WorldView-2 Red-Edge Band-Based Vegetation Indices for Estimation of Mangrove Leaf Area Index with Machine Learning Algorithms. Remote Sensing, 2017, 9, 1060.	1.8	69
23	Hyperspectral Unmixing Based on Local Collaborative Sparse Regression. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 631-635.	1.4	63
24	Fast Three-Dimensional Empirical Mode Decomposition of Hyperspectral Images for Class-Oriented Multitask Learning. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6625-6643.	2.7	6
25	Developing an effective 2-D urban flood inundation model for city emergency management based on cellular automata. Natural Hazards and Earth System Sciences, 2015, 15, 381-391.	1.5	71
26	Retrieval of Mangrove Aboveground Biomass at the Individual Species Level with WorldView-2 Images. Remote Sensing, 2015, 7, 12192-12214.	1.8	92
27	Construction of an ecological resistance surface model and its application in urban expansion simulations. Journal of Chinese Geography, 2015, 25, 211-224.	1.5	47
28	Mapping snow cover variations using a MODIS daily cloud-free snow cover product in northeast China. Journal of Applied Remote Sensing, 2014, 8, 084681.	0.6	16
29	Exploring the effects of biophysical parameters on the spatial pattern of rare cold damage to mangrove forests. Remote Sensing of Environment, 2014, 150, 20-33.	4.6	29
30	Research on the influence of site factors on the expansion of construction land in the Pearl River Delta, China: By using GIS and remote sensing. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 366-373.	1.4	68
31	GPU-CA model for large-scale land-use change simulation. Science Bulletin, 2012, 57, 2442-2452.	1.7	17
32	The construction land expansion and the influence of site factors of the Pearl River Delta, China. , 2011, , .		0
33	Mangrove forests change analysis in the western coastal of Guangdong Province, China using remote sensing and GIS (1988–2008). , 2010, , .		0
34	Fish-pond change detection based on short term time series of RADARSAT images and object-oriented method. , 2010, , .		2
35	Spatial and temporal dynamic analysis of wetland in Pearl River Estuary during 1988-2004. , 2009, , .		0
36	Monitoring mangrove forest changes using remote sensing and GIS data with decision-tree learning. Wetlands, 2008, 28, 336-346.	0.7	115

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37	Flat-earth phase removal algorithm improved with frequency information of interferogram. Proceedings of SPIE, 2008, , .	0.8	6
38	Regression and analytical models for estimating mangrove wetland biomass in South China using Radarsat images. International Journal of Remote Sensing, 2007, 28, 5567-5582.	1.3	40
39	Inventory of mangrove wetlands in the Pearl River Estuary of China using remote sensing. Journal of Chinese Geography, 2006, 16, 155-164.	1.5	15