Xiaocong Xu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4202373/publications.pdf

Version: 2024-02-01

27 papers	3,112 citations	471509 17 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	2767 citing authors

#	Article	IF	Citations
1	A future land use simulation model (FLUS) for simulating multiple land use scenarios by coupling human and natural effects. Landscape and Urban Planning, 2017, 168, 94-116.	7.5	940
2	High-resolution multi-temporal mapping of global urban land using Landsat images based on the Google Earth Engine Platform. Remote Sensing of Environment, 2018, 209, 227-239.	11.0	448
3	High-spatiotemporal-resolution mapping of global urban change from 1985 to 2015. Nature Sustainability, 2020, 3, 564-570.	23.7	391
4	Global projections of future urban land expansion under shared socioeconomic pathways. Nature Communications, 2020, 11, 537.	12.8	336
5	A New Global Land-Use and Land-Cover Change Product at a 1-km Resolution for 2010 to 2100 Based on Humanâ€“Environment Interactions. Annals of the American Association of Geographers, 2017, 107, 1040-1059.	2.2	206
6	Delineating urban functional areas with building-level social media data: A dynamic time warping (DTW) distance based k -medoids method. Landscape and Urban Planning, 2017, 160, 48-60.	7.5	179
7	Building Footprint Extraction from High-Resolution Images via Spatial Residual Inception Convolutional Neural Network. Remote Sensing, 2019, 11, 830.	4.0	134
8	Cumulative Effects of Climatic Factors on Terrestrial Vegetation Growth. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 789-806.	3.0	90
9	Quantifying contributions of natural and anthropogenic dust emission from different climatic regions. Atmospheric Environment, 2018, 191, 94-104.	4.1	56
10	Experiences and issues of using cellular automata for assisting urban and regional planning in China. International Journal of Geographical Information Science, 2017, 31, 1606-1629.	4.8	55
11	Mapping the fine-scale spatial pattern of housing rent in the metropolitan area by using online rental listings and ensemble learning. Applied Geography, 2016, 75, 200-212.	3.7	50
12	Multimodal registration of remotely sensed images based on Jeffreyâ€™s divergence. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 122, 97-115.	11.1	39
13	Projecting China's future water footprint under the shared socio-economic pathways. Journal of Environmental Management, 2020, 260, 110102.	7.8	35
14	Changes of Population, Built-up Land, and Cropland Exposure to Natural Hazards in China from 1995 to 2015. International Journal of Disaster Risk Science, 2019, 10, 557-572.	2.9	24
15	Investigating the impacts of three-dimensional spatial structures on CO2 emissions at the urban scale. Science of the Total Environment, 2021, 762, 143096.	8.0	23
16	Simulating mixed land-use change under multi-label concept by integrating a convolutional neural network and cellular automata: a case study of Huizhou, China. GIScience and Remote Sensing, 2022, 59, 609-632.	5.9	23
17	Global snow cover estimation with Microwave Brightness Temperature measurements and one-class in situ observations. Remote Sensing of Environment, 2016, 182, 227-251.	11.0	20
18	Simulating multiple urban land use changes by integrating transportation accessibility and a vector-based cellular automata: a case study on city of Toronto. Geo-Spatial Information Science, 2022, 25, 439-456.	5.3	12

#	Article	IF	Citations
19	Global simulation of fine resolution land use/cover change and estimation of aboveground biomass carbon under the shared socioeconomic pathways. Journal of Environmental Management, 2022, 312, 114943.	7.8	12
20	Spatial-temporal variations analysis of snow cover in China from 1992−2010. Chinese Science Bulletin, 2018, 63, 2641-2654.	0.7	11
21	Global Snow Depth Retrieval From Passive Microwave Brightness Temperature With Machine Learning Approach. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	7
22	Assessing the contributions of climate change and human activities to cropland productivity by means of remote sensing. International Journal of Remote Sensing, 2020, 41, 2004-2021.	2.9	6
23	Characterizing the urban spatial structure using taxi trip big data and implications for urban planning. Frontiers of Earth Science, 2021, 15, 70-80.	2.1	6
24	Three-Dimensional Simulation Model for Synergistically Simulating Urban Horizontal Expansion and Vertical Growth. Remote Sensing, 2022, 14, 1503.	4.0	5
25	Does the Belt and Road Initiative Really Increase CO₂ Emissions?. Annals of the American Association of Geographers, 2022, 112, 948-967.	2.2	3
26	Simulation of oil spill using ANN and CA models. , 2015, , .		1
27	Simulation of oil spill using logistic-regression CA model. , 2015, , .		0