

Bin Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

5,253

citations

25

h-index

67

g-index

67

ext. papers

7,237

ext. citations

8.2

avg, IF

6.57

L-index

#	Paper	IF	Citations
62	Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (SARS-CoV-2). <i>Science</i> , 2020 , 368, 489-493	33.3	2045
61	An investigation of transmission control measures during the first 50 days of the COVID-19 epidemic in China. <i>Science</i> , 2020 , 368, 638-642	33.3	1025
60	Stable classification with limited sample: transferring a 30-m resolution sample set collected in 2015 to mapping 10-m resolution global land cover in 2017. <i>Science Bulletin</i> , 2019 , 64, 370-373	10.6	395
59	Annual maps of global artificial impervious area (GAIA) between 1985 and 2018. <i>Remote Sensing of Environment</i> , 2020 , 236, 111510	13.2	241
58	Comparison of Spatiotemporal Fusion Models: A Review. <i>Remote Sensing</i> , 2015 , 7, 1798-1835	5	111
57	Influence of meteorological conditions on PM concentrations across China: A review of methodology and mechanism. <i>Environment International</i> , 2020 , 139, 105558	12.9	102
56	Mapping essential urban land use categories in China (EULUC-China): preliminary results for 2018. <i>Science Bulletin</i> , 2020 , 65, 182-187	10.6	91
55	Multi-source remotely sensed data fusion for improving land cover classification. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017 , 124, 27-39	11.8	87
54	Monitoring trends of urban development and environmental impact of Beijing, 1999-2006. <i>Science of the Total Environment</i> , 2011 , 409, 3295-308	10.2	76
53	Dynamic assessment of PM exposure and health risk using remote sensing and geo-spatial big data. <i>Environmental Pollution</i> , 2019 , 253, 288-296	9.3	61
52	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 27-37	8.1	61
51	Dynamic assessments of population exposure to urban greenspace using multi-source big data. <i>Science of the Total Environment</i> , 2018 , 634, 1315-1325	10.2	60
50	Dynamic monitoring of the Poyang Lake wetland by integrating Landsat and MODIS observations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018 , 139, 75-87	11.8	59
49	Dynamic monitoring of wetland cover changes using time-series remote sensing imagery. <i>Ecological Informatics</i> , 2014 , 24, 17-26	4.2	58
48	Evaluating the “2+26” regional strategy for air quality improvement during two air pollution alerts in Beijing: variations in PM _{2.5} concentrations, source apportionment, and the relative contribution of local emission and regional transport. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 6879-6891	6.8	57
47	The impact of transmission control measures during the first 50 days of the COVID-19 epidemic in China		54
46	The control of anthropogenic emissions contributed to 80 % of the decrease in PM _{2.5} concentrations in Beijing from 2013 to 2017. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13519-13533	6.8	51

45	How does urban expansion impact people's exposure to green environments? A comparative study of 290 Chinese cities. <i>Journal of Cleaner Production</i> , 2020 , 246, 119018	10.3	47
44	Real-Time Estimation of Population Exposure to PM Using Mobile- and Station-Based Big Data. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	42
43	Earth transformed: detailed mapping of global human modification from 1990 to 2017. <i>Earth System Science Data</i> , 2020 , 12, 1953-1972	10.5	32
42	Quantitative estimation of 21st-century urban greenspace changes in Chinese populous cities. <i>Science of the Total Environment</i> , 2017 , 609, 956-965	10.2	30
41	An enhanced bloom index for quantifying floral phenology using multi-scale remote sensing observations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 156, 108-120	11.8	29
40	A hierarchical spatiotemporal adaptive fusion model using one image pair. <i>International Journal of Digital Earth</i> , 2017 , 10, 639-655	3.9	27
39	Estimation of hourly full-coverage PM2.5 concentrations at 1-km resolution in China using a two-stage random forest model. <i>Atmospheric Research</i> , 2021 , 248, 105146	5.4	27
38	How does urban expansion interact with cropland loss? A comparison of 14 Chinese cities from 1980 to 2015. <i>Landscape Ecology</i> , 2021 , 36, 243-263	4.3	26
37	California Almond Yield Prediction at the Orchard Level With a Machine Learning Approach. <i>Frontiers in Plant Science</i> , 2019 , 10, 809	6.2	25
36	Global COVID-19 pandemic demands joint interventions for the suppression of future waves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26151-26157	11.5	22
35	Forest Types Classification Based on Multi-Source Data Fusion. <i>Remote Sensing</i> , 2017 , 9, 1153	5	20
34	Himawari-8/AHI and MODIS Aerosol Optical Depths in China: Evaluation and Comparison. <i>Remote Sensing</i> , 2019 , 11, 1011	5	19
33	Regional Mapping of Essential Urban Land Use Categories in China: A Segmentation-Based Approach. <i>Remote Sensing</i> , 2020 , 12, 1058	5	19
32	Observed inequality in urban greenspace exposure in China. <i>Environment International</i> , 2021 , 156, 106778	12.9	19
31	How do people in different places experience different levels of air pollution? Using worldwide Chinese as a lens. <i>Environmental Pollution</i> , 2018 , 238, 874-883	9.3	18
30	Modeling the aerosol chemical composition of the tropopause over the Tibetan Plateau during the Asian summer monsoon. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11587-11612	6.8	16
29	Automatic mapping of planting year for tree crops with Landsat satellite time series stacks. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 151, 176-188	11.8	16
28	Surface water connectivity of seasonal isolated lakes in a dynamic lake-floodplain system. <i>Journal of Hydrology</i> , 2019 , 579, 124154	6	15

27	Fine Land Cover Classification Using Daily Synthetic Landsat-Like Images at 15-m Resolution. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 2359-2363	4.1	14
26	Mapping essential urban land use categories with open big data: Results for five metropolitan areas in the United States of America. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021 , 178, 203-218	11.8	14
25	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 359-363	4.1	13
24	Sampling Strategy for Detailed Urban Land Use Classification: A Systematic Analysis in Shenzhen. <i>Remote Sensing</i> , 2020 , 12, 1497	5	13
23	Mapping essential urban land use categories (EULUC) using geospatial big data: Progress, challenges, and opportunities. <i>Big Earth Data</i> , 2021 , 5, 410-441	4.1	13
22	Wetland mapping by fusing fine spatial and hyperspectral resolution images. <i>Ecological Modelling</i> , 2017 , 353, 95-106	3	11
21	A novel method to extract urban human settlements by integrating remote sensing and mobile phone locations. <i>Science of Remote Sensing</i> , 2020 , 1, 100003	11.8	9
20	Advancing Agricultural Production With Machine Learning Analytics: Yield Determinants for California's Almond Orchards. <i>Frontiers in Plant Science</i> , 2020 , 11, 290	6.2	9
19	A Novel Method for Measuring Landscape Heterogeneity Changes. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 567-571	4.1	8
18	Mapping Essential Urban Land Use Categories in Beijing with a Fast Area of Interest (AOI)-Based Method. <i>Remote Sensing</i> , 2021 , 13, 477	5	8
17	Climate-Conscious Urban Growth Mitigates Urban Warming: Evidence from Shenzhen, China. <i>Environmental Science & Technology</i> , 2019 , 53, 11960-11968	10.3	7
16	Using Satellite Data for the Characterization of Local Animal Reservoir Populations of Hantaan Virus on the Weihe Plain, China. <i>Remote Sensing</i> , 2017 , 9, 1076	5	7
15	Monitoring tropical forest degradation and restoration with satellite remote sensing: A test using Sabah Biodiversity Experiment. <i>Advances in Ecological Research</i> , 2020 , 62, 117-146	4.6	6
14	Deep Learning for Feature-Level Data Fusion: Higher Resolution Reconstruction of Historical Landsat Archive. <i>Remote Sensing</i> , 2021 , 13, 167	5	6
13	Climate, Fuel, and Land Use Shaped the Spatial Pattern of Wildfire in California's Sierra Nevada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG005786	3.7	6
12	Addendum: Using Satellite Data for the Characterization of Local Animal Reservoir Populations of Hantaan Virus on the Weihe Plain, China. <i>Remote Sens.</i> 2017, 9, 1076. <i>Remote Sensing</i> , 2018 , 10, 20	5	5
11	Uncovering the Nature of Urban Land Use Composition Using Multi-Source Open Big Data with Ensemble Learning. <i>Remote Sensing</i> , 2021 , 13, 4241	5	4
10	Wildfire response to changing daily temperature extremes in California's Sierra Nevada. <i>Science Advances</i> , 2021 , 7, eabe6417	14.3	3

9	A global map of planting years of plantations.. <i>Scientific Data</i> , 2022 , 9, 141	8.2	3
8	GLOBALLY INCREASED CROP GROWTH AND CROPPING INTENSITY FROM THE LONG-TERM SATELLITE-BASED OBSERVATIONS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , IV-3, 45-52		2
7	Annual dynamic dataset of global cropping intensity from 2001 to 2019. <i>Scientific Data</i> , 2021 , 8, 283	8.2	2
6	An interpretable deep forest model for estimating hourly PM10 concentration in China using Himawari-8 data. <i>Atmospheric Environment</i> , 2021 , 268, 118827	5.3	2
5	Where Does Nighttime Light Come From? Insights from Source Detection and Error Attribution. <i>Remote Sensing</i> , 2020 , 12, 1922	5	1
4	Constructing a unified framework for multi-source remotely sensed data fusion 2016 ,		1
3	Reduction of Human Mobility Matters during Early COVID-19 Outbreaks: Evidence from India, Japan and China. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
2	Management of and Revitalization Strategy for Megacities Under Major Public Health Emergencies: A Case Study of Wuhan.. <i>Frontiers in Public Health</i> , 2021 , 9, 797775	6	0
1	Changes of Urban Greenspace Coverage and Exposure in China 2022 , 173-189		