Bin Chen

List of Publications by Year in Descending Order

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	Changes of Urban Greenspace Coverage and Exposure in China **2022**, 173-189		
61	A global map of planting years of plantations.. *Scientific Data*, **2022**, 9, 141	8.2	3
60	Management of and Revitalization Strategy for Megacities Under Major Public Health Emergencies: A Case Study of Wuhan.. *Frontiers in Public Health*, **2021**, 9, 797775	6	0
59	Wildfire response to changing daily temperature extremes in California's Sierra Nevada. *Science Advances*, **2021**, 7, eabe6417	14.3	3
58	Uncovering the Nature of Urban Land Use Composition Using Multi-Source Open Big Data with Ensemble Learning. *Remote Sensing*, **2021**, 13, 4241	5	4
57	Annual dynamic dataset of global cropping intensity from 2001 to 2019. *Scientific Data*, **2021**, 8, 283	8.2	2
56	An interpretable deep forest model for estimating hourly PM10 concentration in China using Himawari-8 data. *Atmospheric Environment*, **2021**, 268, 118827	5.3	2
55	Reduction of Human Mobility Matters during Early COVID-19 Outbreaks: Evidence from India, Japan and China. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	1
54	Mapping essential urban land use categories (EULUC) using geospatial big data: Progress, challenges, and opportunities. *Big Earth Data*, **2021**, 5, 410-441	4.1	13
53	Estimation of hourly full-coverage PM2.5 concentrations at 1-km resolution in China using a two-stage random forest model. *Atmospheric Research*, **2021**, 248, 105146	5.4	27
52	How does urban expansion interact with cropland loss? A comparison of 14 Chinese cities from 1980 to 2015. *Landscape Ecology*, **2021**, 36, 243-263	4.3	26
51	Deep Learning for Feature-Level Data Fusion: Higher Resolution Reconstruction of Historical Landsat Archive. *Remote Sensing*, **2021**, 13, 167	5	6
50	Mapping Essential Urban Land Use Categories in Beijing with a Fast Area of Interest (AOI)-Based Method. *Remote Sensing*, **2021**, 13, 477	5	8
49	Climate, Fuel, and Land Use Shaped the Spatial Pattern of Wildfire in California's Sierra Nevada. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG005786	3.7	6
48	Mapping essential urban land use categories with open big data: Results for five metropolitan areas in the United States of America. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2021**, 178, 203-218	11.8	14
47	Observed inequality in urban greenspace exposure in China. *Environment International*, **2021**, 156, 106778	12.9	19
46	Regional Mapping of Essential Urban Land Use Categories in China: A Segmentation-Based Approach. *Remote Sensing*, **2020**, 12, 1058	5	19

45	Sampling Strategy for Detailed Urban Land Use Classification: A Systematic Analysis in Shenzhen. *Remote Sensing*, **2020**, 12, 1497	5	13
44	Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (SARS-CoV-2). *Science*, **2020**, 368, 489-493	33.3	2045
43	An investigation of transmission control measures during the first 50 days of the COVID-19 epidemic in China. *Science*, **2020**, 368, 638-642	33.3	1025
42	Where Does Nighttime Light Come From? Insights from Source Detection and Error Attribution. *Remote Sensing*, **2020**, 12, 1922	5	1
41	Monitoring tropical forest degradation and restoration with satellite remote sensing: A test using Sabah Biodiversity Experiment. *Advances in Ecological Research*, **2020**, 62, 117-146	4.6	6
40	Influence of meteorological conditions on PM concentrations across China: A review of methodology and mechanism. *Environment International*, **2020**, 139, 105558	12.9	102
39	A novel method to extract urban human settlements by integrating remote sensing and mobile phone locations. *Science of Remote Sensing*, **2020**, 1, 100003	11.8	9
38	Advancing Agricultural Production With Machine Learning Analytics: Yield Determinants for California's Almond Orchards. *Frontiers in Plant Science*, **2020**, 11, 290	6.2	9
37	Earth transformed: detailed mapping of global human modification from 1990 to 2017. *Earth System Science Data*, **2020**, 12, 1953-1972	10.5	32
36	Annual maps of global artificial impervious area (GAIA) between 1985 and 2018. *Remote Sensing of Environment*, **2020**, 236, 111510	13.2	241
35	Mapping essential urban land use categories in China (EULUC-China): preliminary results for 2018. *Science Bulletin*, **2020**, 65, 182-187	10.6	91
34	Global COVID-19 pandemic demands joint interventions for the suppression of future waves. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 26151-26157	11.5	22
33	How does urban expansion impact people□ exposure to green environments? A comparative study of 290 Chinese cities. *Journal of Cleaner Production*, **2020**, 246, 119018	10.3	47
32	Modeling the aerosol chemical composition of the tropopause over the Tibetan Plateau during the Asian summer monsoon. *Atmospheric Chemistry and Physics*, **2019**, 19, 11587-11612	6.8	16
31	Surface water connectivity of seasonal isolated lakes in a dynamic lake-floodplain system. *Journal of Hydrology*, **2019**, 579, 124154	6	15
30	Climate-Conscious Urban Growth Mitigates Urban Warming: Evidence from Shenzhen, China. *Environmental Science & Technology*, **2019**, 53, 11960-11968	10.3	7
29	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. *Atmospheric Chemistry and Physics*, **2019**, 19, 6879-6891	6.8	57
28	Himawari-8/AHI and MODIS Aerosol Optical Depths in China: Evaluation and Comparison. *Remote Sensing*, **2019**, 11, 1011	5	19

27	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. *Science Bulletin*, **2019**, 64, 370-373	10.6	395
26	Automatic mapping of planting year for tree crops with Landsat satellite time series stacks. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2019**, 151, 176-188	11.8	16
25	An enhanced bloom index for quantifying floral phenology using multi-scale remote sensing observations. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2019**, 156, 108-120	11.8	29
24	California Almond Yield Prediction at the Orchard Level With a Machine Learning Approach. *Frontiers in Plant Science*, **2019**, 10, 809	6.2	25
23	Dynamic assessment of PM exposure and health risk using remote sensing and geo-spatial big data. *Environmental Pollution*, **2019**, 253, 288-296	9.3	61
22	The control of anthropogenic emissions contributed to 80 % of the decrease in PM_{2.5} concentrations in Beijing from 2013 to 2017. *Atmospheric Chemistry and Physics*, **2019**, 19, 13519-13533	6.8	51
21	Dynamic assessments of population exposure to urban greenspace using multi-source big data. *Science of the Total Environment*, **2018**, 634, 1315-1325	10.2	60
20	How do people in different places experience different levels of air pollution? Using worldwide Chinese as a lens. *Environmental Pollution*, **2018**, 238, 874-883	9.3	18
19	Dynamic monitoring of the Poyang Lake wetland by integrating Landsat and MODIS observations. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 139, 75-87	11.8	59
18	Real-Time Estimation of Population Exposure to PM Using Mobile- and Station-Based Big Data. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	42
17	Addendum: Using Satellite Data for the Characterization of Local Animal Reservoir Populations of Hantaan Virus on the Weihe Plain, China. Remote Sens. 2017, 9, 1076. *Remote Sensing*, **2018**, 10, 20	5	5
16	A hierarchical spatiotemporal adaptive fusion model using one image pair. *International Journal of Digital Earth*, **2017**, 10, 639-655	3.9	27
15	. *IEEE Geoscience and Remote Sensing Letters*, **2017**, 14, 359-363	4.1	13
14	Wetland mapping by fusing fine spatial and hyperspectral resolution images. *Ecological Modelling*, **2017**, 353, 95-106	3	11
13	Multi-source remotely sensed data fusion for improving land cover classification. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2017**, 124, 27-39	11.8	87
12	Quantitative estimation of 21st-century urban greenspace changes in Chinese populous cities. *Science of the Total Environment*, **2017**, 609, 956-965	10.2	30
11	. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 27-37	8.1	61
10	Using Satellite Data for the Characterization of Local Animal Reservoir Populations of Hantaan Virus on the Weihe Plain, China. *Remote Sensing*, **2017**, 9, 1076	5	7

9	Forest Types Classification Based on Multi-Source Data Fusion. *Remote Sensing*, **2017**, 9, 1153	5	20
8	Constucting a unified framework for multi-source remotely sensed data fusion **2016**,		1
7	Fine Land Cover Classification Using Daily Synthetic Landsat-Like Images at 15-m Resolution. *IEEE Geoscience and Remote Sensing Letters*, **2015**, 12, 2359-2363	4.1	14
6	A Novel Method for Measuring Landscape Heterogeneity Changes. *IEEE Geoscience and Remote Sensing Letters*, **2015**, 12, 567-571	4.1	8
5	Comparison of Spatiotemporal Fusion Models: A Review. *Remote Sensing*, **2015**, 7, 1798-1835	5	111
4	Dynamic monitoring of wetland cover changes using time-series remote sensing imagery. *Ecological Informatics*, **2014**, 24, 17-26	4.2	58
3	Monitoring trends of urban development and environmental impact of Beijing, 1999-2006. *Science of the Total Environment*, **2011**, 409, 3295-308	10.2	76
2	GLOBALLY INCREASED CROP GROWTH AND CROPPING INTENSITY FROM THE LONG-TERM SATELLITE-BASED OBSERVATIONS. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*,IV-3, 45-52		2
1	The impact of transmission control measures during the first 50 days of the COVID-19 epidemic in China		54