

Xiao-Peng Song

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,027
citations

147566

31
h-index

214527

47
g-index

52
all docs

52
docs citations

52
times ranked

6084
citing authors

#	ARTICLE	IF	CITATIONS
1	Global land change from 1982 to 2016. <i>Nature</i> , 2018, 560, 639-643.	13.7	1,213
2	Global, 30-m resolution continuous fields of tree cover: Landsat-based rescaling of MODIS vegetation continuous fields with lidar-based estimates of error. <i>International Journal of Digital Earth</i> , 2013, 6, 427-448.	1.6	562
3	Forest management in southern China generates short term extensive carbon sequestration. <i>Nature Communications</i> , 2020, 11, 129.	5.8	259
4	Global characterization and monitoring of forest cover using Landsat data: opportunities and challenges. <i>International Journal of Digital Earth</i> , 2012, 5, 373-397.	1.6	252
5	Global maps of cropland extent and change show accelerated cropland expansion in the twenty-first century. <i>Nature Food</i> , 2022, 3, 19-28.	6.2	238
6	Urban growth of the Washington, D.C.–Baltimore, MD metropolitan region from 1984 to 2010 by annual, Landsat-based estimates of impervious cover. <i>Remote Sensing of Environment</i> , 2013, 129, 42-53.	4.6	209
7	Characterizing the magnitude, timing and duration of urban growth from time series of Landsat-based estimates of impervious cover. <i>Remote Sensing of Environment</i> , 2016, 175, 1-13.	4.6	195
8	National-scale soybean mapping and area estimation in the United States using medium resolution satellite imagery and field survey. <i>Remote Sensing of Environment</i> , 2017, 190, 383-395.	4.6	168
9	Massive soybean expansion in South America since 2000 and implications for conservation. <i>Nature Sustainability</i> , 2021, 4, 784-792.	11.5	153
10	The fate of tropical forest fragments. <i>Science Advances</i> , 2020, 6, eaax8574.	4.7	146
11	Near doubling of Brazil's intensive row crop area since 2000. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 428-435.	3.3	139
12	Conservation policy and the measurement of forests. <i>Nature Climate Change</i> , 2016, 6, 192-196.	8.1	136
13	The Global 2000-2020 Land Cover and Land Use Change Dataset Derived From the Landsat Archive: First Results. <i>Frontiers in Remote Sensing</i> , 2022, 3, .	1.3	102
14	Spatial and temporal variations in global soil respiration and their relationships with climate and land cover. <i>Science Advances</i> , 2020, 6, .	4.7	94
15	Global Trends of Forest Loss Due to Fire From 2001 to 2019. <i>Frontiers in Remote Sensing</i> , 2022, 3, .	1.3	91
16	Rapid expansion of human impact on natural land in South America since 1985. <i>Science Advances</i> , 2021, 7, .	4.7	71
17	A model for the propagation of uncertainty from continuous estimates of tree cover to categorical forest cover and change. <i>Remote Sensing of Environment</i> , 2015, 156, 418-425.	4.6	63
18	Anthropogenic transformation of Yangtze Plain freshwater lakes: patterns, drivers and impacts. <i>Remote Sensing of Environment</i> , 2020, 248, 111998.	4.6	63

#	ARTICLE	IF	CITATIONS
19	Global Estimates of Ecosystem Service Value and Change: Taking Into Account Uncertainties in Satellite-based Land Cover Data. <i>Ecological Economics</i> , 2018, 143, 227-235.	2.9	58
20	A multi-resolution approach to national-scale cultivated area estimation of soybean. <i>Remote Sensing of Environment</i> , 2017, 195, 13-29.	4.6	55
21	Integrating global land cover products for improved forest cover characterization: an application in North America. <i>International Journal of Digital Earth</i> , 2014, 7, 709-724.	1.6	49
22	Earth science data records of global forest cover and change: Assessment of accuracy in 1990, 2000, and 2005 epochs. <i>Remote Sensing of Environment</i> , 2016, 184, 73-85.	4.6	48
23	An evaluation of Landsat, Sentinel-2, Sentinel-1 and MODIS data for crop type mapping. <i>Science of Remote Sensing</i> , 2021, 3, 100018.	2.2	48
24	Doubling of annual forest carbon loss over the tropics during the early twenty-first century. <i>Nature Sustainability</i> , 2022, 5, 444-451.	11.5	47
25	Annual Carbon Emissions from Deforestation in the Amazon Basin between 2000 and 2010. <i>PLoS ONE</i> , 2015, 10, e0126754.	1.1	46
26	Spatial-temporal dynamics of carbon emissions and carbon sinks in economically developed areas of China: a case study of Guangdong Province. <i>Scientific Reports</i> , 2018, 8, 13383.	1.6	44
27	Annual Detection of Forest Cover Loss Using Time Series Satellite Measurements of Percent Tree Cover. <i>Remote Sensing</i> , 2014, 6, 8878-8903.	1.8	42
28	Early- and in-season crop type mapping without current-year ground truth: Generating labels from historical information via a topology-based approach. <i>Remote Sensing of Environment</i> , 2022, 274, 112994.	4.6	42
29	Temperature changes in Three Gorges Reservoir Area and linkage with Three Gorges Project. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4866-4879.	1.2	40
30	Global land use extent and dispersion within natural land cover using Landsat data. <i>Environmental Research Letters</i> , 2022, 17, 034050.	2.2	38
31	Civil war hinders crop production and threatens food security in Syria. <i>Nature Food</i> , 2022, 3, 38-46.	6.2	37
32	The mortality impacts of current and planned coal-fired power plants in India. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	35
33	Inconsistent estimates of forest cover change in China between 2000 and 2013 from multiple datasets: differences in parameters, spatial resolution, and definitions. <i>Scientific Reports</i> , 2017, 7, 8748.	1.6	31
34	Identifying Agricultural Frontiers for Modeling Global Cropland Expansion. <i>One Earth</i> , 2020, 3, 504-514.	3.6	29
35	Improving global land cover characterization through data fusion. <i>Geo-Spatial Information Science</i> , 2017, 20, 141-150.	2.4	26
36	Time Series of Landsat Imagery Shows Vegetation Recovery in Two Fragile Karst Watersheds in Southwest China from 1988 to 2016. <i>Remote Sensing</i> , 2019, 11, 2044.	1.8	26

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37	Definition and measurement of tree cover: A comparative analysis of field-, lidar- and landsat-based tree cover estimations in the Sierra national forests, USA. Agricultural and Forest Meteorology, 2019, 268, 258-268.	1.9	24
38	Applying Benefit-Cost Analysis to Air Pollution Control in the Indian Power Sector. Journal of Benefit-Cost Analysis, 2019, 10, 185-205.	0.6	21
39	Development of S-NPP VIIRS global surface type classification map using support vector machines. International Journal of Digital Earth, 2018, 11, 212-232.	1.6	14
40	The GLS+: An Enhancement of the Global Land Survey Datasets. Photogrammetric Engineering and Remote Sensing, 2015, 81, 521-525.	0.3	9
41	Characterizing the Patterns and Trends of Urban Growth in Saudi Arabia's 13 Capital Cities Using a Landsat Time Series. Remote Sensing, 2022, 14, 2382.	1.8	9
42	Assessment of the three factors affecting Myanmar's forest cover change using Landsat and MODIS vegetation continuous fields data. International Journal of Digital Earth, 2016, 9, 562-585.	1.6	8
43	An assessment of global forest cover maps using regional higher-resolution reference data sets. , 2011, , .		7
44	ACCURACY ASSESSMENT OF LANDSAT-DERIVED CONTINUOUS FIELDS OF TREE COVER PRODUCTS USING AIRBORNE LIDAR DATA IN THE EASTERN UNITED STATES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W4, 241-246.	0.2	7
45	Continuous Loss of Global Lake Ice Across Two Centuries Revealed by Satellite Observations and Numerical Modeling. Geophysical Research Letters, 2022, 49, .	1.5	4
46	Integrating Activity-Based Geographic Information and Long-Term Remote Sensing to Characterize Urban Land Use Change. Remote Sensing, 2019, 11, 2965.	1.8	3
47	An integrated framework for evaluating the effects of deforestation on ecosystem services. IOP Conference Series: Earth and Environmental Science, 2014, 17, 012061.	0.2	1
48	A time-series model for characterizing continuous land cover change. , 2016, , .		0