

Xiangming Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

210
papers

18,168
citations

9786

73
h-index

15266

126
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211
docs citations

211
times ranked

12334
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial-temporal variation of satellite-based gross primary production estimation in wheat-maize rotation area during 2000–2015. <i>Geocarto International</i> , 2022, 37, 2506-2523.	3.5	3
2	Large spatial variation and stagnation of cropland gross primary production increases the challenges of sustainable grain production and food security in China. <i>Science of the Total Environment</i> , 2022, 811, 151408.	8.0	17
3	Quantifying latitudinal variation in land surface phenology of <i>Spartina alterniflora</i> saltmarshes across coastal wetlands in China by Landsat 7/8 and Sentinel-2 images. <i>Remote Sensing of Environment</i> , 2022, 269, 112810.	11.0	30
4	Meteorological Influences on Spatiotemporal Variation of PM2.5 Concentrations in Atmospheric Pollution Transmission Channel Cities of the Beijing–Tianjin–Hebei Region, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1607.	2.6	10
5	Urban scale ventilation analysis based on neighborhood normalized current model. <i>Sustainable Cities and Society</i> , 2022, 80, 103746.	10.4	38
6	A large but transient carbon sink from urbanization and rural depopulation in China. <i>Nature Sustainability</i> , 2022, 5, 321-328.	23.7	130
7	Exploring thermal comfort of urban buildings based on local climate zones. <i>Journal of Cleaner Production</i> , 2022, 340, 130744.	9.3	92
8	Space evidence of enhanced photosynthetic carbon uptake under fragmented temperate forests. <i>Environmental Research Letters</i> , 2022, 17, 044011.	5.2	3
9	Evolution of light use efficiency models: Improvement, uncertainties, and implications. <i>Agricultural and Forest Meteorology</i> , 2022, 317, 108905.	4.8	62
10	Rapid surface water expansion due to increasing artificial reservoirs and aquaculture ponds in North China Plain. <i>Journal of Hydrology</i> , 2022, 608, 127637.	5.4	21
11	Assessing the Impacts of Tidal Creeks on the Spatial Patterns of Coastal Salt Marsh Vegetation and Its Aboveground Biomass. <i>Remote Sensing</i> , 2022, 14, 1839.	4.0	11
12	Annual 30-m big Lake Maps of the Tibetan Plateau in 1991–2018. <i>Scientific Data</i> , 2022, 9, 164.	5.3	14
13	Flash drought identification from satellite-based land surface water index. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 26, 100770.	1.5	2
14	Large loss and rapid recovery of vegetation cover and aboveground biomass over forest areas in Australia during 2019–2020. <i>Remote Sensing of Environment</i> , 2022, 278, 113087.	11.0	26
15	Satellite-Based Surface Water Storage Estimation: Its history, current status, and future prospects. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 10-31.	9.6	3
16	Spatial-Temporal Patterns of Network Structure of Human Settlements Competitiveness in Resource-Based Urban Agglomerations. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	9
17	Contributions of sea–land breeze and local climate zones to daytime and nighttime heat island intensity. <i>Npj Urban Sustainability</i> , 2022, 2, .	8.0	34
18	Urban ventilation corridors and spatiotemporal divergence patterns of urban heat island intensity: a local climate zone perspective. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74394-74406.	5.3	24

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19	Assimilating remote sensing-based VPM GPP into the WOFOST model for improving regional winter wheat yield estimation. <i>European Journal of Agronomy</i> , 2022, 139, 126556.	4.1	17
20	Dormant Season Vegetation Phenology and Eddy Fluxes in Native Tallgrass Prairies of the U.S. Southern Plains. <i>Remote Sensing</i> , 2022, 14, 2620.	4.0	3
21	Evaluating Effects of Medium-Resolution Optical Data Availability on Phenology-Based Rice Mapping in China. <i>Remote Sensing</i> , 2022, 14, 3134.	4.0	2
22	Small anomalies in dry-season greenness and chlorophyll fluorescence for Amazon moist tropical forests during El Niño and La Niña. <i>Remote Sensing of Environment</i> , 2021, 253, 112196.	11.0	21
23	Spatial-temporal dynamics of maize and soybean planted area, harvested area, gross primary production, and grain production in the Contiguous United States during 2008-2018. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108240.	4.8	12
24	Assessing variability of optimum air temperature for photosynthesis across site-years, sites and biomes and their effects on photosynthesis estimation. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108277.	4.8	8
25	Forest Changes by Precipitation Zones in Northern China after the Three-North Shelterbelt Forest Program in China. <i>Remote Sensing</i> , 2021, 13, 543.	4.0	17
26	Reply to: "Correlation between paddy rice growth and satellite-observed methane column abundance does not imply causation". <i>Nature Communications</i> , 2021, 12, 1189.	12.8	1
27	The 10-m crop type maps in Northeast China during 2017-2019. <i>Scientific Data</i> , 2021, 8, 41.	5.3	141
28	From Standard Weather Stations to Virtual Micro-Meteorological Towers in Ungauged Sites: Modeling Tool for Surface Energy Fluxes, Evapotranspiration, Soil Temperature, and Soil Moisture Estimations. <i>Remote Sensing</i> , 2021, 13, 1271.	4.0	2
29	Spatiotemporal Changes of Winter Wheat Planted and Harvested Areas, Photosynthesis and Grain Production in the Contiguous United States from 2008-2018. <i>Remote Sensing</i> , 2021, 13, 1735.	4.0	6
30	Improved estimation of gross primary production of paddy rice cropland with changing model parameters over phenological transitions. <i>Ecological Modelling</i> , 2021, 445, 109492.	2.5	6
31	Carbon loss from forest degradation exceeds that from deforestation in the Brazilian Amazon. <i>Nature Climate Change</i> , 2021, 11, 442-448.	18.8	166
32	Global-Scale Consistency of Spaceborne Vegetation Indices, Chlorophyll Fluorescence, and Photosynthesis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006136.	3.0	21
33	Quantifying the indirect effects of urbanization on urban vegetation carbon uptake in the megacity of Shanghai, China. <i>Environmental Research Letters</i> , 2021, 16, 064088.	5.2	13
34	Mapping <i>Panax Notoginseng</i> Plantations by Using an Integrated Pixel- and Object-Based (IPOB) Approach and ZY-3 Imagery. <i>Remote Sensing</i> , 2021, 13, 2184.	4.0	2
35	Understanding land surface temperature impact factors based on local climate zones. <i>Sustainable Cities and Society</i> , 2021, 69, 102818.	10.4	151
36	Spatial evolution of population change in Northeast China during 1992-2018. <i>Science of the Total Environment</i> , 2021, 776, 146023.	8.0	64

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37	Annual Maps of Forests in Australia from Analyses of Microwave and Optical Images with FAO Forest Definition. <i>Journal of Remote Sensing</i> , 2021, 2021, .	6.7	3
38	Influence of urban morphological characteristics on thermal environment. <i>Sustainable Cities and Society</i> , 2021, 72, 103045.	10.4	133
39	Impacts of juniper woody plant encroachment into grasslands on local climate. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108508.	4.8	21
40	Spatially explicit changes in forest biomass carbon of China over the past 4 decades: Coupling long-term inventory and remote sensing data. <i>Journal of Cleaner Production</i> , 2021, 316, 128274.	9.3	9
41	Contribution of urban ventilation to the thermal environment and urban energy demand: Different climate background perspectives. <i>Science of the Total Environment</i> , 2021, 795, 148791.	8.0	105
42	Carbon dioxide and water vapor fluxes of multi-purpose winter wheat production systems in the U.S. Southern Great Plains. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108631.	4.8	11
43	Estimation of the relative contributions of forest areal expansion and growth to China's forest stand biomass carbon sequestration from 1977 to 2018. <i>Journal of Environmental Management</i> , 2021, 300, 113757.	7.8	16
44	Mapping forest in the southern Great Plains with ALOS-2 PALSAR-2 and Landsat 7/8 data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 104, 102578.	2.8	3
45	Rebound in China's coastal wetlands following conservation and restoration. <i>Nature Sustainability</i> , 2021, 4, 1076-1083.	23.7	103
46	Comparing Evapotranspiration Products of Different Temporal and Spatial Scales in Native and Managed Prairie Pastures. <i>Remote Sensing</i> , 2021, 13, 82.	4.0	3
47	Improving a Biogeochemical Model to Simulate Microbial-mediated Carbon Dynamics in Agricultural ecosystems. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002752.	3.8	1
48	Global distribution, trends, and drivers of flash drought occurrence. <i>Nature Communications</i> , 2021, 12, 6330.	12.8	130
49	Using Time Series Optical and SAR Data to Assess the Impact of Historical Wetland Change on Current Wetland in Zhenlai County, Jilin Province, China. <i>Remote Sensing</i> , 2021, 13, 4514.	4.0	7
50	Climate Change and Livestock Management Drove Extensive Vegetation Recovery in the Qinghai-Tibet Plateau. <i>Remote Sensing</i> , 2021, 13, 4808.	4.0	3
51	Tracking annual changes of coastal tidal flats in China during 1986–2016 through analyses of Landsat images with Google Earth Engine. <i>Remote Sensing of Environment</i> , 2020, 238, 110987.	11.0	146
52	Tracking the phenology and expansion of <i>Spartina alterniflora</i> coastal wetland by time series MODIS and Landsat images. <i>Multimedia Tools and Applications</i> , 2020, 79, 5175-5195.	3.9	11
53	Mismatches between the resources for adult herbivores and their offspring suggest invasive <i>Spartina alterniflora</i> is an ecological trap. <i>Journal of Ecology</i> , 2020, 108, 719-732.	4.0	14
54	Enhanced spring phenological temperature sensitivity explains the extension of carbon uptake period in temperate forest protected areas. <i>Forest Ecology and Management</i> , 2020, 455, 117679.	3.2	9

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55	Performance of four state-of-the-art GPP products (VPM, MOD17, BESS and PML) for grasslands in drought years. <i>Ecological Informatics</i> , 2020, 56, 101052.	5.2	42
56	Forest management in southern China generates short term extensive carbon sequestration. <i>Nature Communications</i> , 2020, 11, 129.	12.8	259
57	Mapping cropping intensity in China using time series Landsat and Sentinel-2 images and Google Earth Engine. <i>Remote Sensing of Environment</i> , 2020, 239, 111624.	11.0	187
58	Influences of urban spatial form on urban heat island effects at the community level in China. <i>Sustainable Cities and Society</i> , 2020, 53, 101972.	10.4	203
59	Large increases of paddy rice area, gross primary production, and grain production in Northeast China during 2000–2017. <i>Science of the Total Environment</i> , 2020, 711, 135183.	8.0	104
60	Investigating the diversity of land surface temperature characteristics in different scale cities based on local climate zones. <i>Urban Climate</i> , 2020, 34, 100700.	5.7	101
61	Understanding the Land Surface Phenology and Gross Primary Production of Sugarcane Plantations by Eddy Flux Measurements, MODIS Images, and Data-Driven Models. <i>Remote Sensing</i> , 2020, 12, 2186.	4.0	13
62	Spatiotemporal patterns of vegetation phenology along the urban–rural gradient in Coastal Dalian, China. <i>Urban Forestry and Urban Greening</i> , 2020, 54, 126784.	5.3	46
63	High-Precision Stand Age Data Facilitate the Estimation of Rubber Plantation Biomass: A Case Study of Hainan Island, China. <i>Remote Sensing</i> , 2020, 12, 3853.	4.0	10
64	Differential responses of native and managed prairie pastures to environmental variability and management practices. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108137.	4.8	4
65	Impact of urban morphology and landscape characteristics on spatiotemporal heterogeneity of land surface temperature. <i>Sustainable Cities and Society</i> , 2020, 63, 102443.	10.4	110
66	Divergent Trends of Water Storage Observed via Gravity Satellite across Distinct Areas in China. <i>Water (Switzerland)</i> , 2020, 12, 2862.	2.7	11
67	Estimation of Sugarcane Yield Using a Machine Learning Approach Based on UAV-LiDAR Data. <i>Remote Sensing</i> , 2020, 12, 2823.	4.0	47
68	Optimizing local climate zones to mitigate urban heat island effect in human settlements. <i>Journal of Cleaner Production</i> , 2020, 275, 123767.	9.3	167
69	Mapping sugarcane plantation dynamics in Guangxi, China, by time series Sentinel-1, Sentinel-2 and Landsat images. <i>Remote Sensing of Environment</i> , 2020, 247, 111951.	11.0	105
70	Quantifying expansion and removal of <i>Spartina alterniflora</i> on Chongming island, China, using time series Landsat images during 1995–2018. <i>Remote Sensing of Environment</i> , 2020, 247, 111916.	11.0	63
71	Identifying floods and flood-affected paddy rice fields in Bangladesh based on Sentinel-1 imagery and Google Earth Engine. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 166, 278-293.	11.1	89
72	Gainers and losers of surface and terrestrial water resources in China during 1989–2016. <i>Nature Communications</i> , 2020, 11, 3471.	12.8	81

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73	Estimating site-specific optimum air temperature and assessing its effect on the photosynthesis of grasslands in mid- to high-latitudes. <i>Environmental Research Letters</i> , 2020, 15, 034064.	5.2	16
74	Grassland Wildfires in the Southern Great Plains: Monitoring Ecological Impacts and Recovery. <i>Remote Sensing</i> , 2020, 12, 619.	4.0	9
75	Fingerprint of rice paddies in spatial-temporal dynamics of atmospheric methane concentration in monsoon Asia. <i>Nature Communications</i> , 2020, 11, 554.	12.8	56
76	Mapping coastal wetlands of China using time series Landsat images in 2018 and Google Earth Engine. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 163, 312-326.	11.1	138
77	Impact of spring phenology variation on GPP and its lag feedback for winter wheat over the North China Plain. <i>Science of the Total Environment</i> , 2020, 725, 138342.	8.0	10
78	Dynamical Downscaling of CO ₂ in 2016 Over the Contiguous United States Using WRF-VPRM, a Weather-Biosphere-Online-Coupled Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001875.	3.8	21
79	Flash drought development and cascading impacts associated with the 2010 Russian heatwave. <i>Environmental Research Letters</i> , 2020, 15, 094078.	5.2	66
80	Estimating Forest Stock Volume in Hunan Province, China, by Integrating In Situ Plot Data, Sentinel-2 Images, and Linear and Machine Learning Regression Models. <i>Remote Sensing</i> , 2020, 12, 186.	4.0	44
81	The 2012 Flash Drought Threatened US Midwest Agroecosystems. <i>Chinese Geographical Science</i> , 2019, 29, 768-783.	3.0	48
82	Satellite-observed pantropical carbon dynamics. <i>Nature Plants</i> , 2019, 5, 944-951.	9.3	141
83	Improved estimates of forest cover and loss in the Brazilian Amazon in 2000-2017. <i>Nature Sustainability</i> , 2019, 2, 764-772.	23.7	71
84	Assimilating Soil Moisture Retrieved from Sentinel-1 and Sentinel-2 Data into WOFOST Model to Improve Winter Wheat Yield Estimation. <i>Remote Sensing</i> , 2019, 11, 1618.	4.0	73
85	Winter Wheat Green-up Date Variation and its Diverse Response on the Hydrothermal Conditions over the North China Plain, Using MODIS Time-Series Data. <i>Remote Sensing</i> , 2019, 11, 1593.	4.0	10
86	Trends and controls of terrestrial gross primary productivity of China during 2000-2016. <i>Environmental Research Letters</i> , 2019, 14, 084032.	5.2	66
87	Increasing Outbreak of Cyanobacterial Blooms in Large Lakes and Reservoirs under Pressures from Climate Change and Anthropogenic Interferences in the Middle-Lower Yangtze River Basin. <i>Remote Sensing</i> , 2019, 11, 1754.	4.0	24
88	Continuous monitoring of lake dynamics on the Mongolian Plateau using all available Landsat imagery and Google Earth Engine. <i>Science of the Total Environment</i> , 2019, 689, 366-380.	8.0	116
89	TROPOMI reveals dry-season increase of solar-induced chlorophyll fluorescence in the Amazon forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22393-22398.	7.1	78
90	Long-Term Dynamic of Poyang Lake Surface Water: A Mapping Work Based on the Google Earth Engine Cloud Platform. <i>Remote Sensing</i> , 2019, 11, 313.	4.0	71

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91	Are There Sufficient Landsat Observations for Retrospective and Continuous Monitoring of Land Cover Changes in China?. <i>Remote Sensing</i> , 2019, 11, 1808.	4.0	20
92	Divergent shifts in peak photosynthesis timing of temperate and alpine grasslands in China. <i>Remote Sensing of Environment</i> , 2019, 233, 111395.	11.0	85
93	Assessing spatial-temporal dynamics of urban expansion, vegetation greenness and photosynthesis in megacity Shanghai, China during 2000â€“2016. <i>Remote Sensing of Environment</i> , 2019, 233, 111374.	11.0	100
94	Estimating leaf area index and aboveground biomass of grazing pastures using Sentinel-1, Sentinel-2 and Landsat images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 154, 189-201.	11.1	184
95	Rapid expansion of coastal aquaculture ponds in China from Landsat observations during 1984â€“2016. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 82, 101902.	2.8	92
96	Assessing consistency of spring phenology of snow-covered forests as estimated by vegetation indices, gross primary production, and solar-induced chlorophyll fluorescence. <i>Agricultural and Forest Meteorology</i> , 2019, 275, 305-316.	4.8	64
97	Ecological engineering projects increased vegetation cover, production, and biomass in semiarid and subhumid Northern China. <i>Land Degradation and Development</i> , 2019, 30, 1620-1631.	3.9	71
98	Accelerating Cities in an Unsustainable Landscape: Urban Expansion and Cropland Occupation in China, 1990â€“2030. <i>Sustainability</i> , 2019, 11, 2283.	3.2	24
99	A Methodology for Flash Drought Identification: Application of Flash Drought Frequency across the United States. <i>Journal of Hydrometeorology</i> , 2019, 20, 833-846.	1.9	120
100	High resolution paddy rice maps in cloud-prone Bangladesh and Northeast India using Sentinel-1 data. <i>Scientific Data</i> , 2019, 6, 26.	5.3	107
101	Spatial differentiation of urban wind and thermal environment in different grid sizes. <i>Urban Climate</i> , 2019, 28, 100458.	5.7	103
102	Effects of reclamation and natural changes on coastal wetlands bordering China's Yellow Sea from 1984 to 2015. <i>Land Degradation and Development</i> , 2019, 30, 1533-1544.	3.9	38
103	Local climate zone ventilation and urban land surface temperatures: Towards a performance-based and wind-sensitive planning proposal in megacities. <i>Sustainable Cities and Society</i> , 2019, 47, 101487.	10.4	204
104	Analysis of Parameters for the Accurate and Fast Estimation of Tree Diameter at Breast Height Based on Simulated Point Cloud. <i>Remote Sensing</i> , 2019, 11, 2707.	4.0	3
105	Tracking Reforestation in the Loess Plateau, China after the â€œGrain for Greenâ€“Project through Integrating PALSAR and Landsat Imagery. <i>Remote Sensing</i> , 2019, 11, 2685.	4.0	14
106	The relationships between urban-rural temperature difference and vegetation in eight cities of the Great Plains. <i>Frontiers of Earth Science</i> , 2019, 13, 290-302.	2.1	11
107	Tracking the spatio-temporal change of cropping intensity in China during 2000â€“2015. <i>Environmental Research Letters</i> , 2019, 14, 035008.	5.2	46
108	Evapotranspiration-dominated biogeophysical warming effect of urbanization in the Beijing-Tianjin-Hebei region, China. <i>Climate Dynamics</i> , 2019, 52, 1231-1245.	3.8	36

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109	Expansion dynamics of deciduous rubber plantations in Xishuangbanna, China during 2000–2010. <i>GIScience and Remote Sensing</i> , 2018, 55, 905-925.	5.9	30
110	Spatio-temporal Convergence of Maximum Daily Light Use Efficiency Based on Radiation Absorption by Canopy Chlorophyll. <i>Geophysical Research Letters</i> , 2018, 45, 3508-3519.	4.0	48
111	Responses of gross primary production of grasslands and croplands under drought, pluvial, and irrigation conditions during 2010–2016, Oklahoma, USA. <i>Agricultural Water Management</i> , 2018, 204, 47-59.	5.6	38
112	Assessing the Extent and Impact of Online Data Sharing in Eddy Covariance Flux Research. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 129-137.	3.0	21
113	Increased vegetation growth and carbon stock in China karst via ecological engineering. <i>Nature Sustainability</i> , 2018, 1, 44-50.	23.7	460
114	Divergent trends of open-surface water body area in the contiguous United States from 1984 to 2016. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3810-3815.	7.1	199
115	Mapping Forest and Their Spatial-temporal Changes From 2007 to 2015 in Tropical Hainan Island by Integrating ALOS/ALOS-2 L-Band SAR and Landsat Optical Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 852-867.	4.9	35
116	Characterizing the encroachment of juniper forests into sub-humid and semi-arid prairies from 1984 to 2010 using PALSAR and Landsat data. <i>Remote Sensing of Environment</i> , 2018, 205, 166-179.	11.0	61
117	On the relationship between sub-daily instantaneous and daily total gross primary production: Implications for interpreting satellite-based SIF retrievals. <i>Remote Sensing of Environment</i> , 2018, 205, 276-289.	11.0	91
118	Underestimates of Grassland Gross Primary Production in MODIS Standard Products. <i>Remote Sensing</i> , 2018, 10, 1771.	4.0	36
119	Integrated Analyses of PALSAR and Landsat Imagery Reveal More Agroforests in a Typical Agricultural Production Region, North China Plain. <i>Remote Sensing</i> , 2018, 10, 1323.	4.0	10
120	Response of Tropical Terrestrial Gross Primary Production to the Super El Niño Event in 2015. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3193-3203.	3.0	24
121	Spatiotemporal Consistency of Four Gross Primary Production Products and Solar-induced Chlorophyll Fluorescence in Response to Climate Extremes Across CONUS in 2012. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3140-3161.	3.0	30
122	Quantifying spatial-temporal changes of tea plantations in complex landscapes through integrative analyses of optical and microwave imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 73, 697-711.	2.8	13
123	Enhanced gross primary production and evapotranspiration in juniper-encroached grasslands. <i>Global Change Biology</i> , 2018, 24, 5655-5667.	9.5	25
124	Spatial-temporal consistency between gross primary productivity and solar-induced chlorophyll fluorescence of vegetation in China during 2007–2014. <i>Science of the Total Environment</i> , 2018, 639, 1241-1253.	8.0	36
125	Comparison of Pixel- and Object-Based Approaches in Phenology-Based Rubber Plantation Mapping in Fragmented Landscapes. <i>Remote Sensing</i> , 2018, 10, 44.	4.0	26
126	Carbon dioxide and water vapor fluxes in winter wheat and tallgrass prairie in central Oklahoma. <i>Science of the Total Environment</i> , 2018, 644, 1511-1524.	8.0	29

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127	FluoSpec 2“An Automated Field Spectroscopy System to Monitor Canopy Solar-Induced Fluorescence. Sensors, 2018, 18, 2063.	3.8	67
128	Identifying Establishment Year and Pre-Conversion Land Cover of Rubber Plantations on Hainan Island, China Using Landsat Data during 1987“2015. Remote Sensing, 2018, 10, 1240.	4.0	25
129	Satellite“Observed Major Greening and Biomass Increase in South China Karst During Recent Decade. Earth's Future, 2018, 6, 1017-1028.	6.3	143
130	Modeling gross primary production of paddy rice cropland through analyses of data from CO2 eddy flux tower sites and MODIS images. Remote Sensing of Environment, 2017, 190, 42-55.	11.0	42
131	Quantifying annual changes in built-up area in complex urban-rural landscapes from analyses of PALSAR and Landsat images. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 124, 89-105.	11.1	42
132	Estimating aboveground biomass of broadleaf, needleleaf, and mixed forests in Northeastern China through analysis of 25-m ALOS/PALSAR mosaic data. Forest Ecology and Management, 2017, 389, 199-210.	3.2	29
133	Mapping the dynamics of eastern redcedar encroachment into grasslands during 1984“2010 through PALSAR and time series Landsat images. Remote Sensing of Environment, 2017, 190, 233-246.	11.0	65
134	Examining the short-term impacts of diverse management practices on plant phenology and carbon fluxes of Old World bluestems pasture. Agricultural and Forest Meteorology, 2017, 237-238, 60-70.	4.8	41
135	Dominant role of plant physiology in trend and variability of gross primary productivity in North America. Scientific Reports, 2017, 7, 41366.	3.3	43
136	Continued decrease of open surface water body area in Oklahoma during 1984“2015. Science of the Total Environment, 2017, 595, 451-460.	8.0	118
137	Quantifying agricultural drought in tallgrass prairie region in the U.S. Southern Great Plains through analysis of a water-related vegetation index from MODIS images. Agricultural and Forest Meteorology, 2017, 246, 111-122.	4.8	40
138	A global moderate resolution dataset of gross primary production of vegetation for 2000“2016. Scientific Data, 2017, 4, 170165.	5.3	335
139	Temporal consistency between gross primary production and solar-induced chlorophyll fluorescence in the ten most populous megacity areas over years. Scientific Reports, 2017, 7, 14963.	3.3	30
140	Annual dynamics of forest areas in South America during 2007“2010 at 50-m spatial resolution. Remote Sensing of Environment, 2017, 201, 73-87.	11.0	47
141	A mangrove forest map of China in 2015: Analysis of time series Landsat 7/8 and Sentinel-1A imagery in Google Earth Engine cloud computing platform. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 131, 104-120.	11.1	288
142	Analysis and estimation of tallgrass prairie evapotranspiration in the central United States. Agricultural and Forest Meteorology, 2017, 232, 35-47.	4.8	27
143	Spatiotemporal patterns of paddy rice croplands in China and India from 2000 to 2015. Science of the Total Environment, 2017, 579, 82-92.	8.0	127
144	Could Changes in the Agricultural Landscape of Northeastern China Have Influenced the Long-Distance Transmission of Highly Pathogenic Avian Influenza H5Nx Viruses?. Frontiers in Veterinary Science, 2017, 4, 225.	2.2	14

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145	Different Patterns in Daytime and Nighttime Thermal Effects of Urbanization in Beijing-Tianjin-Hebei Urban Agglomeration. <i>Remote Sensing</i> , 2017, 9, 121.	4.0	31
146	Open Surface Water Mapping Algorithms: A Comparison of Water-Related Spectral Indices and Sensors. <i>Water (Switzerland)</i> , 2017, 9, 256.	2.7	147
147	Accuracy Assessment and Inter-Comparison of Eight Medium Resolution Forest Products on the Loess Plateau, China. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 152.	2.9	25
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