Joshua B Fisher

List of Publications by Year
in descending order

193 papers	20,374 citations	13827 67 h-index	11288 136 g-index
216 all docs	216 docs citations	216 times ranked	18498 citing authors

#	Article	IF	Citations
1	Drought Sensitivity of the Amazon Rainforest. Science, 2009, 323, 1344-1347.	6.0	1,443
2	Mapping forest canopy height globally with spaceborne lidar. Journal of Geophysical Research, 2011, 116, .	3.3	855
3	Global estimates of the landâ€“atmosphere water flux based on monthly AVHRR and ISLSCP-II data, validated at 16 FLUXNET sites. Remote Sensing of Environment, 2008, 112, 901-919.	4.6	788
4	New global observations of the terrestrial carbon cycle from GOSAT: Patterns of plant fluorescence with gross primary productivity. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	749
5	The Community Land Model Version 5: Description of New Features, Benchmarking, and Impact of Forcing Uncertainty. Journal of Advances in Modeling Earth Systems, 2019, 11, 4245-4287.	1.3	692
6	Global patterns of drought recovery. Nature, 2017, 548, 202-205.	13.7	560
7	The future of evapotranspiration: Global requirements for ecosystem functioning, carbon and climate feedbacks, agricultural management, and water resources. Water Resources Research, 2017, 53, 2618-2626.	1.7	552
8	Droughtâ€“mortality relationships for tropical forests. New Phytologist, 2010, 187, 631-646.	3.5	487
9	Effect of increasing CO ₂ on the terrestrial carbon cycle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 436-441.	3.3	487
10	Nighttime transpiration in woody plants from contrasting ecosystems. Tree Physiology, 2007, 27, 561-575.	1.4	384
11	Global estimates of evapotranspiration for climate studies using multi-sensor remote sensing data: Evaluation of three process-based approaches. Remote Sensing of Environment, 2011, 115, 801-823.	4.6	378
12	Warm spring reduced carbon cycle impact of the 2012 US summer drought. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5880-5885.	3.3	340
13	Observing terrestrial ecosystems and the carbon cycle from space. Global Change Biology, 2015, 21, 1762-1776.	4.2	339
14	Evaluation of global observations-based evapotranspiration datasets and IPCC AR4 simulations. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	312
15	Benchmark products for land evapotranspiration: LandFlux-EVAL multi-data set synthesis. Hydrology and Earth System Sciences, 2013, 17, 3707-3720.	1.9	310
16	Global intercomparison of 12 land surface heat flux estimates. Journal of Geophysical Research, 2011, 116, .	3.3	309
17	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO₂. New Phytologist, 2021, 229, 2413-2445.	3.5	286
18	ET come home: potential evapotranspiration in geographical ecology. Global Ecology and Biogeography, 2011, 20, 1-18.	2.7	279

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19	Nitrogen and phosphorus constrain the CO2 fertilization of global plant biomass. Nature Climate Change, 2019, 9, 684-689.	8.1	269
20	A trade-off between plant and soil carbon storage under elevated CO2. Nature, 2021, 591, 599-603.	13.7	268
21	A framework for benchmarking land models. Biogeosciences, 2012, 9, 3857-3874.	1.3	267
22	The WACMOS-ET project â€" PartÂ2: Evaluation of global terrestrial evaporation data sets. Hydrology and Earth System Sciences, 2016, 20, 823-842.	1.9	253
23	Forest productivity and water stress in Amazonia: observations from GOSAT chlorophyll fluorescence. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130171.	1.2	245
24	Integrating plantâ€"soil interactions into global carbon cycle models. Journal of Ecology, 2009, 97, 851-863.	1.9	233
25	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. Water Resources Research, 2020, 56, e2019WR026058.	1.7	220
26	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. Remote Sensing of Environment, 2014, 140, 279-293.	4.6	217
27	What the towers don't see at night: nocturnal sap flow in trees and shrubs at two AmeriFlux sites in California. Tree Physiology, 2007, 27, 597-610.	1.4	204
28	The landâ€"atmosphere water flux in the tropics. Global Change Biology, 2009, 15, 2694-2714.	4.2	198
29	MODIS-driven estimation of terrestrial latent heat flux in China based on a modified Priestleyâ€"Taylor algorithm. Agricultural and Forest Meteorology, 2013, 171-172, 187-202.	1.9	193
30	Nutrient limitation in rainforests and cloud forests along a 3,000-m elevation gradient in the Peruvian Andes. Oecologia, 2013, 172, 889-902.	0.9	187
31	Carbon cost of plant nitrogen acquisition: A mechanistic, globally applicable model of plant nitrogen uptake, retranslocation, and fixation. Global Biogeochemical Cycles, 2010, 24, .	1.9	182
32	Modeling the Terrestrial Biosphere. Annual Review of Environment and Resources, 2014, 39, 91-123.	5.6	181
33	Application of satellite solar-induced chlorophyll fluorescence to understanding large-scale variations in vegetation phenology and function over northern high latitude forests. Remote Sensing of Environment, 2017, 190, 178-187.	4.6	175
34	Global mycorrhizal plant distribution linked to terrestrial carbon stocks. Nature Communications, 2019, 10, 5077.	5.8	170
35	Enhanced peak growth of global vegetation and its key mechanisms. Nature Ecology and Evolution, 2018, 2, 1897-1905.	3.4	169
36	The WACMOS-ET project â€" PartÂ1: Tower-scale evaluation of four remote-sensing-based evapotranspiration algorithms. Hydrology and Earth System Sciences, 2016, 20, 803-822.	1.9	164

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37	Terrestrial gross primary production inferred from satellite fluorescence and vegetation models. Global Change Biology, 2014, 20, 3103-3121.	4.2	161
38	Evapotranspiration models compared on a Sierra Nevada forest ecosystem. Environmental Modelling and Software, 2005, 20, 783-796.	1.9	156
39	Uncertainty in the response of terrestrial carbon sink to environmental drivers undermines carbon-climate feedback predictions. Scientific Reports, 2017, 7, 4765.	1.6	156
40	Changes in the potential distribution of humid tropical forests on a warmer planet. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 137-160.	1.6	151
41	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. Biogeosciences, 2019, 16, 3747-3775.	1.3	150
42	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. Remote Sensing of Environment, 2021, 257, 112349.	4.6	148
43	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4521-4545.	1.2	146
44	Global nutrient limitation in terrestrial vegetation. Global Biogeochemical Cycles, 2012, 26, .	1.9	142
45	Carbon cost of plant nitrogen acquisition: global carbon cycle impact from an improved plant nitrogen cycle in theÂCommunity Land Model. Global Change Biology, 2016, 22, 1299-1314.	4.2	137
46	Modeling the carbon cost of plant nitrogen acquisition: Mycorrhizal trade-offs and multipath resistance uptake improve predictions of retranslocation. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1684-1697.	1.3	133
47	SMAP soil moisture improves global evapotranspiration. Remote Sensing of Environment, 2018, 219, 1-14.	4.6	131
48	Inferring regional sources and sinks of atmospheric CO₂ from GOSAT XCO₂ data. Atmospheric Chemistry and Physics, 2014, 14, 3703-3727.	1.9	120
49	A comprehensive benchmarking system for evaluating global vegetation models. Biogeosciences, 2013, 10, 3313-3340.	1.3	119
50	Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends. Environmental Research Letters, 2015, 10, 094008.	2.2	119
51	Mechanisms of water supply and vegetation demand govern the seasonality and magnitude of evapotranspiration in Amazonia and Cerrado. Agricultural and Forest Meteorology, 2014, 191, 33-50.	1.9	105
52	On Uncertainty in Global Terrestrial Evapotranspiration Estimates from Choice of Input Forcing Datasets*. Journal of Hydrometeorology, 2015, 16, 1449-1455.	0.7	100
53	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. Agricultural and Forest Meteorology, 2017, 242, 55-74.	1.9	96
54	ISS observations offer insights into plant function. Nature Ecology and Evolution, 2017, 1, 194.	3.4	94

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55	Carbon cycle uncertainty in the Alaskan Arctic. Biogeosciences, 2014, 11, 4271-4288.	1.3	92
56	A satellite-based hybrid algorithm to determine the Priestleyâ€“Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. Remote Sensing of Environment, 2015, 165, 216-233.	4.6	92
57	Partitioning of evapotranspiration in remote sensing-based models. Agricultural and Forest Meteorology, 2018, 260-261, 131-143.	1.9	91
58	Interpreting seasonal changes in the carbon balance of southern Amazonia using measurements of XCO₂ and chlorophyll fluorescence from GOSAT. Geophysical Research Letters, 2013, 40, 2829-2833.	1.5	89
59	Ecosystem Carbon Storage Across the Grasslandâ€“Forest Transition in the High Andes of Manu National Park, Peru. Ecosystems, 2010, 13, 1097-1111.	1.6	88
60	A global scale mechanistic model of photosynthetic capacity (LUNA V1.0). Geoscientific Model Development, 2016, 9, 587-606.	1.3	88
61	Connecting active to passive fluorescence with photosynthesis: a method for evaluating remote sensing measurements of Chl fluorescence. New Phytologist, 2017, 215, 1594-1608.	3.5	87
62	A Surface Temperature Initiated Closure (STIC) for surface energy balance fluxes. Remote Sensing of Environment, 2014, 141, 243-261.	4.6	83
63	The productivity, metabolism and carbon cycle of two lowland tropical forest plots in south-western Amazonia, Peru. Plant Ecology and Diversity, 2014, 7, 85-105.	1.0	82
64	Rootâ€derived inputs are major contributors to soil carbon in temperate forests, but vary by mycorrhizal type. Ecology Letters, 2021, 24, 626-635.	3.0	75
65	Spatial Downscaling of SMAP Soil Moisture Using MODIS Land Surface Temperature and NDVI During SMAPVEX15. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2107-2111.	1.4	73
66	Disentangling Changes in the Spectral Shape of Chlorophyll Fluorescence: Implications for Remote Sensing of Photosynthesis. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1491-1507.	1.3	73
67	Canadian Experiment for Soil Moisture in 2010 (CanEx-SM10): Overview and Preliminary Results. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 347-363.	2.7	71
68	Interoperability of ECOSTRESS and Landsat for mapping evapotranspiration time series at sub-field scales. Remote Sensing of Environment, 2021, 252, 112189.	4.6	71
69	Sustainable Water Management in Urban, Agricultural, and Natural Systems. Water (Switzerland), 2014, 6, 3934-3956.	1.2	70
70	Scales of environmental justice: Combining GIS and spatial analysis for air toxics in West Oakland, California. Health and Place, 2006, 12, 701-714.	1.5	69
71	Parametric Controls on Vegetation Responses to Biogeochemical Forcing in the CLM5. Journal of Advances in Modeling Earth Systems, 2019, 11, 2879-2895.	1.3	69
72	OpenET: Filling a Critical Data Gap in Water Management for the Western United States. Journal of the American Water Resources Association, 2022, 58, 971-994.	1.0	65

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73	Productivity and carbon allocation in a tropical montane cloud forest in the Peruvian Andes. Plant Ecology and Diversity, 2014, 7, 107-123.	1.0	63
74	Response of Water Use Efficiency to Global Environmental Change Based on Output From Terrestrial Biosphere Models. Global Biogeochemical Cycles, 2017, 31, 1639-1655.	1.9	63
75	Emerging satellite observations for diurnal cycling of ecosystem processes. Nature Plants, 2021, 7, 877-887.	4.7	62
76	Evaluating the potential to monitor aboveground biomass in forest and oil palm in Sabah, Malaysia, for 2000â€“2008 with Landsat ETM+ and ALOS-PALSAR. International Journal of Remote Sensing, 2012, 33, 3614-3639.	1.3	61
77	Missing pieces to modeling the Arctic-Boreal puzzle. Environmental Research Letters, 2018, 13, 020202.	2.2	61
78	Ground heat flux: An analytical review of 6 models evaluated at 88 sites and globally. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 3045-3059.	1.3	59
79	Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO2 fertilization. Nature Geoscience, 2019, 12, 809-814.	5.4	58
80	What controls the error structure in evapotranspiration models?. Agricultural and Forest Meteorology, 2013, 169, 12-24.	1.9	57
81	Using Bayesian model averaging to estimate terrestrial evapotranspiration in China. Journal of Hydrology, 2015, 528, 537-549.	2.3	57
82	CubeSats Enable High Spatiotemporal Retrievals of Crop-Water Use for Precision Agriculture. Remote Sensing, 2018, 10, 1867.	1.8	57
83	Overview of the Large-Scale Biosphereâ€“Atmosphere Experiment in Amazonia Data Model Intercomparison Project (LBA-DMIP). Agricultural and Forest Meteorology, 2013, 182-183, 111-127.	1.9	55
84	Satellite-Based Precipitation Estimation and Its Application for Streamflow Prediction over Mountainous Western U.S. Basins. Journal of Applied Meteorology and Climatology, 2014, 53, 2823-2842.	0.6	53
85	Carbon dioxide fluxes over an ancient broadleaved deciduous woodland in southern England. Biogeosciences, 2011, 8, 1595-1613.	1.3	51
86	Sensitivity of inferred climate model skill to evaluation decisions: a case study using CMIP5 evapotranspiration. Environmental Research Letters, 2013, 8, 024028.	2.2	50
87	African tropical rainforest net carbon dioxide fluxes in the twentieth century. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120376.	1.8	49
88	The hydrological regime of a forested tropical Andean catchment. Hydrology and Earth System Sciences, 2014, 18, 5377-5397.	1.9	48
89	Toward â€œoptimalâ€•integration of terrestrial biosphere models. Geophysical Research Letters, 2015, 42, 4418-4428.	1.5	48
90	Treeâ€mycorrhizal associations detected remotely from canopy spectral properties. Global Change Biology, 2016, 22, 2596-2607.	4.2	45

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91	Beyond ecosystem modeling: A roadmap to community cyberinfrastructure for ecological dataâ€model integration. Global Change Biology, 2021, 27, 13-26.	4.2	44
92	A simple temperature domain twoâ€source model for estimating agricultural field surface energy fluxes from Landsat images. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5211-5236.	1.2	43
93	Satellite Chlorophyll Fluorescence and Soil Moisture Observations Lead to Advances in the Predictive Understanding of Global Terrestrial Coupled Carbonâ€Water Cycles. Global Biogeochemical Cycles, 2018, 32, 360-375.	1.9	42
94	Land carbon models underestimate the severity and duration of droughtâ€™s impact on plant productivity. Scientific Reports, 2019, 9, 2758.	1.6	42
95	Using GRACE to constrain precipitation amount over cold mountainous basins. Geophysical Research Letters, 2017, 44, 219-227.	1.5	41
96	Estimation of high-resolution terrestrial evapotranspiration from Landsat data using a simple Taylor skill fusion method. Journal of Hydrology, 2017, 553, 508-526.	2.3	41
97	Mainstreaming local perceptions of hurricane risk into policymaking: A case study of community GIS in Mexico. Global Environmental Change, 2011, 21, 143-153.	3.6	40
98	Increased lightâ€use efficiency in northern terrestrial ecosystems indicated by CO₂ and greening observations. Geophysical Research Letters, 2016, 43, 11,339.	1.5	40
99	Global land carbon sink response to temperature and precipitation varies with ENSO phase. Environmental Research Letters, 2017, 12, 064007.	2.2	39
100	Vegetation Functional Properties Determine Uncertainty of Simulated Ecosystem Productivity: A Traceability Analysis in the East Asian Monsoon Region. Global Biogeochemical Cycles, 2019, 33, 668-689.	1.9	38
101	Carbon and Water Use Efficiencies: A Comparative Analysis of Ten Terrestrial Ecosystem Models under Changing Climate. Scientific Reports, 2019, 9, 14680.	1.6	37
102	Reduction of tropical land region precipitation variability via transpiration. Geophysical Research Letters, 2012, 39, .	1.5	35
103	Latent Heat Flux and Canopy Conductance Based on Penmanâ€“Monteith, Priestleyâ€“Taylor Equation, and Bouchetâ€™s Complementary Hypothesis. Journal of Hydrometeorology, 2013, 14, 419-442.	0.7	35
104	Uncertainty analysis of terrestrial net primary productivity and net biome productivity in China during 1901â€“2005. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1372-1393.	1.3	35
105	Simulating forest productivity along a neotropical elevational transect: temperature variation and carbon use efficiency. Global Change Biology, 2012, 18, 2882-2898.	4.2	34
106	Measuring water availability with limited ground data: assessing the feasibility of an entirely remote-sensing-based hydrologic budget of the Rufiji Basin, Tanzania, using TRMM, GRACE, MODIS, SRB, and AIRS. Hydrological Processes, 2014, 28, 853-867.	1.1	33
107	Global Surface Net-Radiation at 5 km from MODIS Terra. Remote Sensing, 2016, 8, 739.	1.8	33
108	The impact of deforestation on the hydrological cycle in Amazonia as observed from remote sensing. International Journal of Remote Sensing, 2016, 37, 5412-5430.	1.3	33

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109	ECOSTRESS estimates gross primary production with fine spatial resolution for different times of day from the International Space Station. Remote Sensing of Environment, 2021, 258, 112360.	4.6	33
110	Historical and Future Land-Cover Change in a Municipality of Ghana. Earth Interactions, 2011, 15, 1-26.	0.7	32
111	Evaluation of the ORCHIDEE ecosystem model over Africa against 25 years of satellite-based water and carbon measurements. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1554-1575.	1.3	31
112	Integration of nitrogen dynamics into the Noah-MP land surface model v1.1 for climate and environmental predictions. Geoscientific Model Development, 2016, 9, 1-15.	1.3	31
113	Decadal trends in the seasonal-cycle amplitude of terrestrial CO₂ exchange resulting from the ensemble of terrestrial biosphere models. Tellus, Series B: Chemical and Physical Meteorology, 2022, 68, 28968.	0.8	31
114	Using GRACE to Estitmate Snowfall Accumulation and Assess Gauge Undercatch Corrections in High Latitudes. Journal of Climate, 2018, 31, 8689-8704.	1.2	31
115	Inter-annual variability of carbon and water fluxes in Amazonian forest, Cerrado and pasture sites, as simulated by terrestrial biosphere models. Agricultural and Forest Meteorology, 2013, 182-183, 145-155.	1.9	30
116	GRACEâ€based Mass Conservation as a Validation Target for Basinâ€Scale Evapotranspiration in the Contiguous United States. Water Resources Research, 2020, 56, e2019WR026594.	1.7	30
117	Governing the data commons: Policy, practice, and the advancement of science. Information and Management, 2010, 47, 237-245.	3.6	28
118	Sensitivity of Evapotranspiration Components in Remote Sensing-Based Models. Remote Sensing, 2018, 10, 1601.	1.8	28
119	The impact of the 2015/2016 El NiÃ±o on global photosynthesis using satellite remote sensing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170409.	1.8	28
120	Exploring the merging of the global land evaporation WACMOS-ET products based on local tower measurements. Hydrology and Earth System Sciences, 2018, 22, 4513-4533.	1.9	28
121	Xylem cavitation vulnerability influences tree speciesâ€™ habitat preferences in miombo woodlands. Oecologia, 2013, 173, 711-720.	0.9	27
122	Improving Budyko curveâ€based estimates of longâ€term water partitioning using hydrologic signatures from GRACE. Water Resources Research, 2016, 52, 5537-5554.	1.7	27
123	Global Estimates of Land Surface Water Fluxes from SMOS and SMAP Satellite Soil Moisture Data. Journal of Hydrometeorology, 2020, 21, 241-253.	0.7	27
124	Modeling the Carbon Cost of Plant Nitrogen and Phosphorus Uptake Across Temperate and Tropical Forests. Frontiers in Forests and Global Change, 2020, 3, .	1.0	27
125	Global Trends in Evapotranspiration Dominated by Increases across Large Cropland Regions. Remote Sensing, 2020, 12, 1221.	1.8	26
126	Global Validation of MODIS Nearâ€Surface Air and Dew Point Temperatures. Geophysical Research Letters, 2018, 45, 7772-7780.	1.5	25

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127	The Regional Hydrologic Extremes Assessment System: A software framework for hydrologic modeling and data assimilation. PLoS ONE, 2017, 12, e0176506.	1.1	24
128	Sources of Uncertainty in Modeled Land Carbon Storage within and across Three MIPs: Diagnosis with Three New Techniques. Journal of Climate, 2018, 31, 2833-2851.	1.2	24
129	On the Desiccation of the South Aral Sea Observed from Spaceborne Missions. Remote Sensing, 2018, 10, 793.	1.8	24
130	Assessing regional drought impacts on vegetation and evapotranspiration: a case study in Guanacaste, Costa Rica. Ecological Applications, 2019, 29, e01834.	1.8	24
131	Challenges and Opportunities in GRACE-Based Groundwater Storage Assessment and Management: An Example from Yemen. Water Resources Management, 2012, 26, 1425-1453.	1.9	23
132	Oil and gas development in the World Heritage and wider protected area network in sub-Saharan Africa. Biodiversity and Conservation, 2011, 20, 1863-1877.	1.2	22
133	Integrating field observations and process-based modeling to predict watershed water quality under environmental perturbations. Journal of Hydrology, 2021, 602, 125762.	2.3	22
134	1982â€“2010 Trends of Light Use Efficiency and Inherent Water Use Efficiency in African vegetation: Sensitivity to Climate and Atmospheric CO2 Concentrations. Remote Sensing, 2014, 6, 8923-8944.	1.8	21
135	Advances in the Remote Sensing of Terrestrial Evaporation. Remote Sensing, 2019, 11, 1138.	1.8	21
136	Tree Canopies Reflect Mycorrhizal Composition. Geophysical Research Letters, 2021, 48, e2021GL092764.	1.5	21
137	Thermal remote sensing for plant ecology from leaf to globe. Journal of Ecology, 2022, 110, 1996-2014.	1.9	21
138	Neglecting plantâ€“microbe symbioses leads to underestimation of modeled climate impacts. Biogeosciences, 2019, 16, 457-465.	1.3	20
139	Impact of the Revisit of Thermal Infrared Remote Sensing Observations on Evapotranspiration Uncertaintyâ€"A Sensitivity Study Using AmeriFlux Data. Remote Sensing, 2019, 11, 573.	1.8	19
140	Evaluation of simulated soil carbon dynamics in Arctic-Boreal ecosystems. Environmental Research Letters, 2020, 15, 025005.	2.2	19
141	Database Maintenance, Data Sharing Policy, Collaboration. , 2012, , 399-424.		17
142	Functional coordination between branch hydraulic properties and leaf functional traits in miombo woodlands: implications for water stress management and species habitat preference. Acta Physiologiae Plantarum, 2012, 34, 1701-1710.	1.0	17
143	Assessing hydro-ecological vulnerability using microwave radiometric measurements from WindSat. Remote Sensing of Environment, 2016, 184, 58-72.	4.6	17
144	Evaluation of a satellite-derived model parameterized by three soil moisture constraints to estimate terrestrial latent heat flux in the Heihe River basin of Northwest China. Science of the Total Environment, 2019, 695, 133787.	3.9	17

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145	DNN-MET: A deep neural networks method to integrate satellite-derived evapotranspiration products, eddy covariance observations and ancillary information. Agricultural and Forest Meteorology, 2021, 308-309, 108582.	1.9	17
146	Are Remote Sensing Evapotranspiration Models Reliable Across South American Ecoregions?. Water Resources Research, 2021, 57, e2020WR028752.	1.7	17
147	The Spectral Mixture Residual: A Source of Lowâ€Variance Information to Enhance the Explainability and Accuracy of Surface Biology and Geology Retrievals. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	17
148	Balancing water, religion and tourism on Redang Island, Malaysia. Environmental Research Letters, 2008, 3, 024005.	2.2	16
149	Vegetation Water Use Based on a Thermal and Optical Remote Sensing Model in the Mediterranean Region of DoÃ±ana. Remote Sensing, 2018, 10, 1105.	1.8	15
150	Global vegetation biomass production efficiency constrained by models and observations. Global Change Biology, 2020, 26, 1474-1484.	4.2	15
151	Applying Tipping Point Theory to Remote Sensing Science to Improve Early Warning Drought Signals for Food Security. Earth's Future, 2020, 8, e2019EF001456.	2.4	14
152	Mycorrhizal Distributions Impact Global Patterns of Carbon and Nutrient Cycling. Geophysical Research Letters, 2021, 48, e2021GL094514.	1.5	14
153	Multiâ€Sensor Approach for High Space and Time Resolution Land Surface Temperature. Earth and Space Science, 2021, 8, e2021EA001842.	1.1	14
154	Convergence in water use efficiency within plant functional types across contrasting climates. Nature Plants, 2022, 8, 341-345.	4.7	14
155	Wildlife conservation and reduced emissions from deforestation in a case study of Nantu National Park, Sulawesi. Environmental Science and Policy, 2011, 14, 697-708.	2.4	13
156	Divergence in land surface modeling: linking spread to structure. Environmental Research Communications, 2019, 1, 111004.	0.9	13
157	Satellite Observations of the Tropical Terrestrial Carbon Balance and Interactions With the Water Cycle During the 21st Century. Reviews of Geophysics, 2021, 59, e2020RG000711.	9.0	13
158	Tradeoffs and Synergies in Tropical Forest Root Traits and Dynamics for Nutrient and Water Acquisition: Field and Modeling Advances. Frontiers in Forests and Global Change, 2021, 4, .	1.0	13
159	Technical note: 3-hourly temporal downscaling of monthly global terrestrial biosphere model net ecosystem exchange. Biogeosciences, 2016, 13, 4271-4277.	1.3	12
160	The Global LAnd Surface Satellite (GLASS) evapotranspiration product Version 5.0: Algorithm development and preliminary validation. Journal of Hydrology, 2022, 610, 127990.	2.3	12
161	Merging the MODIS and Landsat Terrestrial Latent Heat Flux Products Using the Multiresolution Tree Method. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2811-2823.	2.7	11
162	Modeling suggests fossil fuel emissions have been driving increased land carbon uptake since the turn of the 20th Century. Scientific Reports, 2020, 10, 9059.	1.6	11

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163	On the net surface water exchange rate estimated from remote-sensing observation and reanalysis. International Journal of Remote Sensing, 2014, 35, 2170-2185.	1.3	10
164	Satellite Detection of Water Stress Effects on Terrestrial Latent Heat Flux With MODIS Shortwave Infrared Reflectance Data. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,410.	1.2	10
165	Evaluating three evapotranspiration estimates from model of different complexity over China using the ILAMB benchmarking system. Journal of Hydrology, 2020, 590, 125553.	2.3	10
166	A Novel NIRâ€"Red Spectral Domain Evapotranspiration Model From the Chinese GF-1 Satellite: Application to the Huailai Agricultural Region of China. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4105-4119.	2.7	10
167	Canopy Temperature Is Regulated by Ecosystem Structural Traits and Captures the Ecohydrologic Dynamics of a Semiarid Mixed Conifer Forest Site. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	10
168	<scp>ECOSTRESS</scp> reveals preâ€fire vegetation controls on burn severity for Southern California wildfires of 2020. Global Ecology and Biogeography, 2022, 31, 1976-1989.	2.7	10
169	An Analysis of Spatial Clustering and Implications for Wildlife Management: A Burrowing Owl Example. Environmental Management, 2007, 39, 403-411.	1.2	9
170	Contribution of environmental forcings to US runoff changes for the period 1950â€"2010. Environmental Research Letters, 2018, 13, 054023.	2.2	9
171	Seasonal changes in plantâ€"water relations influence patterns of leaf display in Miombo woodlands: evidence of water conservative strategies. Tree Physiology, 2019, 39, 104-112.	1.4	9
172	The Arctic-Boreal vulnerability experiment model benchmarking system. Environmental Research Letters, 2019, 14, 055002.	2.2	9
173	Designing Drought Indicators. Bulletin of the American Meteorological Society, 2019, 100, 2327-2341.	1.7	9
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