Maoyi Huang

List of Publications by Year
in descending order

143 papers	8,136 citations	38742 50 h-index	54911 84 g-index
168 all docs	168 docs citations	168 times ranked	10571 citing authors

#	Article	IF	Citations
1	Global patterns of drought recovery. Nature, 2017, 548, 202-205.	27.8	560
2	Model Parameter Estimation Experiment (MOPEX): An overview of science strategy and major results from the second and third workshops. Journal of Hydrology, 2006, 320, 3-17.	5.4	537
3	Hillslope Hydrology in Global Change Research and Earth System Modeling. Water Resources Research, 2019, 55, 1737-1772.	4.2	281
4	Global patterns and controls of soil organic carbon dynamics as simulated by multiple terrestrial biosphere models: Current status and future directions. Global Biogeochemical Cycles, 2015, 29, 775-792.	4.9	241
5	The North American Carbon Program Multi-Scale Synthesis and Terrestrial Model Intercomparison Project â€“ Part 1: Overview and experimental design. Geoscientific Model Development, 2013, 6, 2121-2133.	3.6	212
6	Effects of DEM resolution on the calculation of topographical indices: TWI and its components. Journal of Hydrology, 2007, 347, 79-89.	5.4	201
7	A new parameterization for surface and groundwater interactions and its impact on water budgets with the variable infiltration capacity (VIC) land surface model. Journal of Geophysical Research, 2003, 108, .	3.3	198
8	A Physically Based Runoff Routing Model for Land Surface and Earth System Models. Journal of Hydrometeorology, 2013, 14, 808-828.	1.9	187
9	Impact of largeâ€scale climate extremes on biospheric carbon fluxes: An intercomparison based on MsTMIP data. Global Biogeochemical Cycles, 2014, 28, 585-600.	4.9	181
10	Impacts of climate change on energy consumption and peak demand in buildings: A detailed regional approach. Energy, 2015, 79, 20-32.	8.8	172
11	Uncertainty in the response of terrestrial carbon sink to environmental drivers undermines carbon-climate feedback predictions. Scientific Reports, 2017, 7, 4765.	3.3	156
12	A Modeling Study of Irrigation Effects on Surface Fluxes and Landâ€“Airâ€“Cloud Interactions in the Southern Great Plains. Journal of Hydrometeorology, 2013, 14, 700-721.	1.9	139
13	21st century United States emissions mitigation could increase water stress more than the climate change it is mitigating. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10635-10640.	7.1	128
14	Assessment of simulated water balance from Noah, Noahâ€MP, CLM, and VIC over CONUS using the NLDAS test bed. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,751.	3.3	127
15	A new global river network database for macroscale hydrologic modeling. Water Resources Research, 2012, 48, .	4.2	122
16	Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends. Environmental Research Letters, 2015, 10, 094008.	5.2	119
17	Investigating the nexus of climate, energy, water, and land at decision-relevant scales: the Platform for Regional Integrated Modeling and Analysis (PRIMA). Climatic Change, 2015, 129, 573-588.	3.6	119
18	Modeling the Effects of Groundwater-Fed Irrigation on Terrestrial Hydrology over the Conterminous United States. Journal of Hydrometeorology, 2014, 15, 957-972.	1.9	116

#	Article	IF	Citations
19	Simulating black carbon and dust and their radiative forcing in seasonal snow: a case study over North China with field campaign measurements. Atmospheric Chemistry and Physics, 2014, 14, 11475-11491.	4.9	115
20	Evaluating runoff simulations from the Community Land Model 4.0 using observations from flux towers and a mountainous watershed. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	111
21	On an improved sub-regional water resources management representation for integration into earth system models. Hydrology and Earth System Sciences, 2013, 17, 3605-3622.	4.9	109
22	The critical role of the routing scheme in simulating peak river discharge in global hydrological models. Environmental Research Letters, 2017, 12, 075003.	5.2	105
23	Modeling the effects of irrigation on land surface fluxes and states over the conterminous United States: Sensitivity to input data and model parameters. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9789-9803.	3.3	103
24	Sensitivity of surface flux simulations to hydrologic parameters based on an uncertainty quantification framework applied to the Community Land Model. Journal of Geophysical Research, 2012, 117, .	3.3	97
25	Crop yield response to climate change varies with crop spatial distribution pattern. Scientific Reports, 2017, 7, 1463.	3.3	95
26	Global land use for 2015â€“2100 at 0.05Â° resolution under diverse socioeconomic and climate scenarios. Scientific Data, 2020, 7, 320.	5.3	89
27	A modeling study of irrigation effects on global surface water and groundwater resources under a changing climate. Journal of Advances in Modeling Earth Systems, 2015, 7, 1285-1304.	3.8	88
28	Benchmarking and parameter sensitivity of physiological and vegetation dynamics using the Functionally Assembled Terrestrial Ecosystem Simulator (FATES) at Barro Colorado Island, Panama. Biogeosciences, 2020, 17, 3017-3044.	3.3	82
29	Evaluating Global Streamflow Simulations by a Physically Based Routing Model Coupled with the Community Land Model. Journal of Hydrometeorology, 2015, 16, 948-971.	1.9	81
30	Development of high resolution land surface parameters for the Community Land Model. Geoscientific Model Development, 2012, 5, 1341-1362.	3.6	78
31	Impacts of climate change and vegetation dynamics on runoff in the mountainous region of the Haihe River basin in the past five decades. Journal of Hydrology, 2014, 511, 786-799.	5.4	72
32	Spatiotemporal patterns of evapotranspiration in response to multiple environmental factors simulated by the Community Land Model. Environmental Research Letters, 2013, 8, 024012.	5.2	71
33	Significant impacts of irrigation water sources and methods on modeling irrigation effects in the <scp>ACME</scp><scp>L</scp>and Model. Journal of Advances in Modeling Earth Systems, 2017, 9, 1665-1683.	3.8	70
34	Impacts of future climate change on urban flood volumes in Hohhot in northern China: benefits of climate change mitigation and adaptations. Hydrology and Earth System Sciences, 2018, 22, 305-316.	4.9	69
35	Evapotranspiration and energy balance of native wet montane cloud forest in Hawaiâ€¨i. Agricultural and Forest Meteorology, 2009, 149, 230-243.	4.8	67
36	Climateâ€“soilâ€“vegetation control on groundwater table dynamics and its feedbacks in a climate model. Climate Dynamics, 2011, 36, 57-81.	3.8	67

#	Article	IF	Citations
37	Biophysical impacts of Earth greening largely controlled by aerodynamic resistance. Science Advances, 2020, 6, .	10.3	67
38	On the assessment of the impact of reducing parameters and identification of parameter uncertainties for a hydrologic model with applications to ungauged basins. Journal of Hydrology, 2006, 320, 37-61.	5.4	66
39	Robust spring drying in the southwestern U.S. and seasonal migration of wet/dry patterns in a warmer climate. Geophysical Research Letters, 2014, 41, 1745-1751.	4.0	64
40	Impact of vegetation dynamics on hydrological processes in a semi-arid basin by using a land surface-hydrology coupled model. Journal of Hydrology, 2017, 551, 116-131.	5.4	63
41	CAUSES: Attribution of Surface Radiation Biases in NWP and Climate Models near the U.S. Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3612-3644.	3.3	62
42	Comparison and Assessment of Three Advanced Land Surface Models in Simulating Terrestrial Water Storage Components over the United States. Journal of Hydrometeorology, 2017, 18, 625-649.	1.9	61
43	One-way coupling of an integrated assessment model and a water resources model: evaluation and implications of future changes over the US Midwest. Hydrology and Earth System Sciences, 2013, 17, 4555-4575.	4.9	61
44	CAUSES: On the Role of Surface Energy Budget Errors to the Warm Surface Air Temperature Error Over the Central United States. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2888-2909.	3.3	60
45	Evapotranspiration of rubber (Hevea brasiliensis) cultivated at two plantation sites in <scp>S</scp>outheast <scp>A</scp>sia. Water Resources Research, 2016, 52, 660-679.	4.2	58
46	Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO2 fertilization. Nature Geoscience, 2019, 12, 809-814.	12.9	58
47	Strong Influence of Irrigation on Water Budget and Land Surface Temperature in Indian Subcontinental River Basins. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1449-1462.	3.3	56
48	Uncertainty Analysis of Runoff Simulations and Parameter Identifiability in the Community Land Model: Evidence from MOPEX Basins. Journal of Hydrometeorology, 2013, 14, 1754-1772.	1.9	55
49	Choice of Irrigation Water Management Practice Affects Indian Summer Monsoon Rainfall and Its Extremes. Geophysical Research Letters, 2019, 46, 9126-9135.	4.0	55
50	The Role of Climate Covariability on Crop Yields in the Conterminous United States. Scientific Reports, 2016, 6, 33160.	3.3	53
51	Airborne observations reveal elevational gradient in tropical forest isoprene emissions. Nature Communications, 2017, 8, 15541.	12.8	53
52	Introduction to CAUSES: Description of Weather and Climate Models and Their Nearâ€Surface Temperature Errors in 5Âday Hindcasts Near the Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2655-2683.	3.3	53
53	Longâ€term carbon loss and recovery following selective logging in Amazon forests. Global Biogeochemical Cycles, 2010, 24, .	4.9	52
54	Validation of Noah-Simulated Soil Temperature in the North American Land Data Assimilation System Phase 2. Journal of Applied Meteorology and Climatology, 2013, 52, 455-471.	1.5	49

#	Article	IF	Citations
55	Sensitivity of global terrestrial gross primary production to hydrologic states simulated by the Community Land Model using two runoff parameterizations. Journal of Advances in Modeling Earth Systems, 2014, 6, 658-679.	3.8	48
56	Toward â€œoptimalâ€•integration of terrestrial biosphere models. Geophysical Research Letters, 2015, 42, 4418-4428.	4.0	48
57	The Low-Level Jet over the Southern Great Plains Determined from Observations and Reanalyses and Its Impact on Moisture Transport. Journal of Climate, 2015, 28, 6682-6706.	3.2	45
58	Emergence of new hydrologic regimes of surface water resources in the conterminous United States under future warming. Environmental Research Letters, 2016, 11, 114003.	5.2	43
59	Increased lightâ€use efficiency in northern terrestrial ecosystems indicated by CO₂ and greening observations. Geophysical Research Letters, 2016, 43, 11,339.	4.0	40
60	Global land carbon sink response to temperature and precipitation varies with ENSO phase. Environmental Research Letters, 2017, 12, 064007.	5.2	39
61	Dam Operations and Subsurface Hydrogeology Control Dynamics of Hydrologic Exchange Flows in a Regulated River Reach. Water Resources Research, 2019, 55, 2593-2612.	4.2	39
62	A novel approach to evaluate soil heat flux calculation: An analytical review of nine methods. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6934-6949.	3.3	38
63	Exploring effective best management practices in the Miyun reservoir watershed, China. Ecological Engineering, 2018, 123, 30-42.	3.6	38
64	Downscaling global land cover projections from an integrated assessment model for use in regional analyses: results and evaluation for the US from 2005 to 2095. Environmental Research Letters, 2014, 9, 064004.	5.2	36
65	Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. Geoscientific Model Development, 2016, 9, 1959-1976.	3.6	34
66	Irrigation Impact on Water and Energy Cycle During Dry Years Over the United States Using Convectionâ€Permitting WRF and a Dynamical Recycling Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11220-11241.	3.3	34
67	Impact of Climate Variabilities and Human Activities on Surface Water Extents in Reservoirs of Yongding River Basin, China, from 1985 to 2016 Based on Landsat Observations and Time Series Analysis. Remote Sensing, 2019, 11, 560.	4.0	34
68	A subbasin-based framework to represent land surface processes in an Earth system model. Geoscientific Model Development, 2014, 7, 947-963.	3.6	33
69	Regionalization of subsurface stormflow parameters of hydrologic models: Derivation from regional analysis of streamflow recession curves. Journal of Hydrology, 2014, 519, 670-682.	5.4	33
70	Implications of water management representations for watershed hydrologic modeling in the Yakima River basin. Hydrology and Earth System Sciences, 2019, 23, 35-49.	4.9	32
71	A comparative analysis of the impacts of climate change and irrigation on land surface and subsurface hydrology in the North China Plain. Regional Environmental Change, 2015, 15, 251-263.	2.9	31
72	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.	1.6	31

#	Article	IF	Citations
73	How do rubber (Hevea brasiliensis) plantations behave under seasonal water stress in northeastern Thailand and central Cambodia?. Agricultural and Forest Meteorology, 2015, 213, 10-22.	4.8	30
74	Effects of spatially distributed sectoral water management on the redistribution of water resources in an integrated water model. Water Resources Research, 2017, 53, 4253-4270.	4.2	30
75	A substantial role of soil erosion in the land carbon sink and its future changes. Global Change Biology, 2020, 26, 2642-2655.	9.5	30
76	A transferability study of model parameters for the variable infiltration capacity land surface scheme. Journal of Geophysical Research, 2003, 108, .	3.3	29
77	Assessment of uncertainties in the response of the African monsoon precipitation to land use change simulated by a regional model. Climate Dynamics, 2014, 43, 2765-2775.	3.8	27
78	Simulating countyâ€level crop yields in the <scp>C</scp>onterminous <scp>U</scp>nited <scp>S</scp>tates using the <scp>C</scp>ommunity <scp>L</scp>and <scp>M</scp>odel: <scp>T</scp>he effects of optimizing irrigation and fertilization. Journal of Advances in Modeling Earth Systems, 2016, 8, 1912-1931.	3.8	26
79	Projected changes in mean and interannual variability of surface water over continental China. Science China Earth Sciences, 2015, 58, 739-754.	5.2	25
80	Coupling a three-dimensional subsurface flow and transport model with a land surface model to simulate streamâ€“aquiferâ€“land interactions (CPÂv1.0). Geoscientific Model Development, 2017, 10, 4539-4562.	3.6	25
81	Enhancing SWAT simulation of forest ecosystems for water resource assessment: A case study in the St. Croix River basin. Ecological Engineering, 2018, 120, 422-431.	3.6	25
82	Neglecting irrigation contributes to the simulated summertime warm-and-dry bias in the central United States. Npj Climate and Atmospheric Science, 2020, 3, .	6.8	24
83	Inverse modeling of hydrologic parameters using surface flux and runoff observations in the Community Land Model. Hydrology and Earth System Sciences, 2013, 17, 4995-5011.	4.9	23
84	Bayesian Calibration of the Community Land Model Using Surrogates. SIAM-ASA Journal on Uncertainty Quantification, 2015, 3, 199-233.	2.0	23
85	Classification of hydrological parameter sensitivity and evaluation of parameter transferability across 431 US MOPEX basins. Journal of Hydrology, 2016, 536, 92-108.	5.4	23
86	An ecosystem model for tropical forest disturbance and selective logging. Journal of Geophysical Research, 2008, 113, .	3.3	22
87	Multi-scale modeling study of the source contributions to near-surface ozone and sulfur oxides levels over California during the ARCTAS-CARB period. Atmospheric Chemistry and Physics, 2011, 11, 3173-3194.	4.9	22
88	On the applicability of surrogateâ€based Markov chain Monte Carloâ€Bayesian inversion to the Community Land Model: Case studies at flux tower sites. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7548-7563.	3.3	22
89	Sensitivity of Regulated Flow Regimes to Climate Change in the Western United States. Journal of Hydrometeorology, 2018, 19, 499-515.	1.9	22
90	Improved NLDASâ€2 Noahâ€simulated hydrometeorological products with an interim run. Hydrological Processes, 2015, 29, 780-792.	2.6	21

#	Article	IF	Citations
91	Groundwaterâ€River Water Exchange Enhances Growing Season Evapotranspiration and Carbon Uptake in a Semiarid Riparian Ecosystem. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 99-114.	3.0	21
92	Demeter â€“ A Land Use and Land Cover Change Disaggregation Model. Journal of Open Research Software, 2018, 6, 15.	5.9	21
93	Enhancing the representation of subgrid land surface characteristics in land surface models. Geoscientific Model Development, 2013, 6, 1609-1622.	3.6	20
94	Roles of Irrigation and Reservoir Operations in Modulating Terrestrial Water and Energy Budgets in the Indian Subcontinental River Basins. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12915-12936.	3.3	19
95	Subsurface biogeochemistry is a missing link between ecology and hydrology in dam-impacted river corridors. Science of the Total Environment, 2019, 657, 435-445.	8.0	19
96	Validation of the Community Land Model Version 5 Over the Contiguous United States (CONUS) Using In Situ and Remote Sensing Data Sets. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033539.	3.3	19
97	Climate change will pose challenges to water quality management in the st. Croix River basin. Environmental Pollution, 2019, 251, 302-311.	7.5	18
98	Hydrometeorological Hazards: Monitoring, Forecasting, Risk Assessment, and Socioeconomic Responses. Advances in Meteorology, 2016, 2016, 1-3.	1.6	17
99	Riverbed Hydrologic Exchange Dynamics in a Large Regulated River Reach. Water Resources Research, 2018, 54, 2715-2730.	4.2	17
100	The Impact of Surface Heterogeneities and Landâ€Atmosphere Interactions on Shallow Clouds Over ARM SGP Site. Journal of Advances in Modeling Earth Systems, 2018, 10, 1220-1244.	3.8	17
101	Scalability of grid- and subbasin-based land surface modeling approaches for hydrologic simulations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 3166-3184.	3.3	16
102	Assessing Impacts of PBL and Surface Layer Schemes in Simulating the Surfaceâ€“Atmosphere Interactions and Precipitation over the Tropical Ocean Using Observations from AMIE/DYNAMO. Journal of Climate, 2016, 29, 8191-8210.	3.2	16
103	Mechanistic links between underestimated CO ₂ fluxes and non-closure of the surface energy balance in a semi-arid sagebrush ecosystem. Environmental Research Letters, 2019, 14, 044016.	5.2	16
104	Calibration and analysis of the uncertainty in downscaling global land use and land cover projections from GCAM using Demeter (v1.0.0). Geoscientific Model Development, 2019, 12, 1753-1764.	3.6	15
105	Where Are White Roofs More Effective in Cooling the Surface?. Geophysical Research Letters, 2020, 47, e2020GL087853.	4.0	15
106	Effects of Irrigation on Water, Carbon, and Nitrogen Budgets in a Semiarid Watershed in the Pacific Northwest: A Modeling Study. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001953.	3.8	15
107	Parameterizing Perennial Bioenergy Crops in Version 5 of the Community Land Model Based on Siteâ€Level Observations in the Central Midwestern United States. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001719.	3.8	15
108	Coupling surface flow with high-performance subsurface reactive flow and transport code PFLOTRAN. Environmental Modelling and Software, 2021, 137, 104959.	4.5	15

#	Article	IF	Citations
109	A Generalized Subsurface Flow Parameterization Considering Subgrid Spatial Variability of Recharge and Topography. Journal of Hydrometeorology, 2008, 9, 1151-1171.	1.9	14
110	Simulation of canopy CO2/H2O fluxes for a rubber (Hevea brasiliensis) plantation in central Cambodia: The effect of the regular spacing of planted trees. Ecological Modelling, 2013, 265, 124-135.	2.5	14
111	Regionalization of subsurface stormflow parameters of hydrologic models: Up-scaling from physically based numerical simulations at hillslope scale. Journal of Hydrology, 2014, 519, 683-698.	5.4	13
112	A New Approach to Quantify Shallow Water Hydrologic Exchanges in a Large Regulated River Reach. Water (Switzerland), 2017, 9, 703.	2.7	12
113	Increased extreme rains intensify erosional nitrogen and phosphorus fluxes to the northern Gulf of Mexico in recent decades. Environmental Research Letters, 2021, 16, 054080.	5.2	12
114	Modulating factors of hydrologic exchanges in a largeâ€scale river reach: Insights from threeâ€dimensional computational fluid dynamics simulations. Hydrological Processes, 2018, 32, 3446-3463.	2.6	11
115	Improving the SWAT forest module for enhancing water resource projections: A case study in the <scp>St. Croix River</scp> basin. Hydrological Processes, 2019, 33, 864-875.	2.6	11
116	Assessing the sensitivity of land-atmosphere coupling strength to boundary and surface layer parameters in the WRF model over Amazon. Atmospheric Research, 2020, 234, 104738.	4.1	11
117	Land Use and Land Cover Change Strongly Modulates Landâ€Atmosphere Coupling and Warmâ€Season Precipitation Over the Central United States in CESM2â€VR. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001925.	3.8	11
118	Assessing impacts of selective logging on water, energy, and carbon budgets and ecosystem dynamics in Amazon forests using the Functionally Assembled Terrestrial Ecosystem Simulator. Biogeosciences, 2020, 17, 4999-5023.	3.3	11
119	Future bioenergy expansion could alter carbon sequestration potential and exacerbate water stress in the United States. Science Advances, 2022, 8, eabm8237.	10.3	11
120	Toward verifying fossil fuel CO₂ emissions with the CMAQ model: Motivation, model description and initial simulation. Journal of the Air and Waste Management Association, 2014, 64, 419-435.	1.9	9
121	Bayesian inversion of seismic and electromagnetic data for marine gas reservoir characterization using multi-chain Markov chain Monte Carlo sampling. Journal of Applied Geophysics, 2017, 147, 68-80.	2.1	9
122	Impact of Lateral Flow on Surface Water and Energy Budgets Over the Southern Great Plainsâ€”A Modeling Study. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033659.	3.3	8
123	Modeling the Joint Effects of Vegetation Characteristics and Soil Properties on Ecosystem Dynamics in a Panama Tropical Forest. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	8
124	A generic biogeochemical module for Earth system models: Next Generation BioGeoChemical Module (NGBGC), version 1.0. Geoscientific Model Development, 2013, 6, 1977-1988.	3.6	7
125	Understanding irrigation impacts on low-level jets over the Great Plains. Climate Dynamics, 2020, 55, 925-943.	3.8	7
126	Steady state estimation of soil organic carbon using satelliteâ€derived canopy leaf area index. Journal of Advances in Modeling Earth Systems, 2014, 6, 1049-1064.	3.8	6

#	Article	IF	Citations
127	Enlarged Nonclosure of Surface Energy Balance With Increasing Atmospheric Instabilities Linked to Changes in Coherent Structures. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032889.	3.3	6
128	Impact of Vegetation Physiology and Phenology on Watershed Hydrology in a Semiarid Watershed in the Pacific Northwest in a Changing Climate. Water Resources Research, 2021, 57, e2020WR028394.	4.2	6
129	Groundwater Regulates Interannual Variations in Evapotranspiration in a Riparian Semiarid Ecosystem. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033078.	3.3	6
130	Strong influence of convective heat transfer efficiency on the cooling benefits of green roof irrigation. Environmental Research Letters, 2021, 16, 084062.	5.2	6
131	Development and Application of Improved Long-Term Datasets of Surface Hydrology for Texas. Advances in Meteorology, 2017, 2017, 1-13.	1.6	5
132	Quantifying physical parameterization uncertainties associated with land-atmosphere interactions in the WRF model over Amazon. Atmospheric Research, 2021, 262, 105761.	4.1	5
133	The Critical Effect of Subgridâ€Scale Scheme on Simulating the Climate Impacts of Deforestation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035133.	3.3	4
134	On Approaches to Analyze the Sensitivity of Simulated Hydrologic Fluxes to Model Parameters in the Community Land Model. Water (Switzerland), 2015, 7, 6810-6826.	2.7	3
135	Soil moisture estimation using tomographic ground penetrating radar in a MCMCâ€“Bayesian framework. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2213-2231.	4.0	3
136	Uncertainties in Turbulent Statistics and Fluxes of CO 2 Associated With Density Effect Corrections. Geophysical Research Letters, 2020, 47, e2020GL088859.	4.0	3
137	Guidelines for Publicly Archiving Terrestrial Model Data to Enhance Usability, Intercomparison, and Synthesis. Data Science Journal, 2022, 21, 3.	1.3	3
138	Representing Natural and Manmade Drainage Systems in an Earth System Modeling Framework. Irrigation & Drainage Systems Engineering, 2012, 01, .	0.1	2
139	Determining Spatial Scales of Soil Moistureâ€"Cloud Coupling Pathways Using Semiâ€idealized Simulations. Journal of Geophysical Research D: Atmospheres, 2022, 127, e2021JD035282.	3.3	2
140	A novel construct for scaling groundwaterâ€“river interactions based on machine-guided hydromorphic classification. Environmental Research Letters, 2021, 16, 104016.	5.2	1
141	Inverse Modeling of Hydrologic Parameters in CLM4 via Generalized Polynomial Chaos in the Bayesian Framework. Computation, 2022, 10, 72.	2.0	1
142	The Role of Groundwater Withdrawals on River Regulation: Example from the Columbia River Basin. Water Resources Research, 0, , .	4.2	1
143	Corrigendum to â€œDevelopment and Application of Improved Long-Term Datasets of Surface Hydrology for Texasâ€• Advances in Meteorology, 2017, 2017, 1-4.	1.6	0