

# Maoyi Huang

## List of Publications by Year in descending order

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143  
papers

8,136  
citations

38660

50  
h-index

54797

84  
g-index

168  
all docs

168  
docs citations

168  
times ranked

10571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decadal trends in the seasonal-cycle amplitude of terrestrial CO <sub>2</sub> exchange resulting from the ensemble of terrestrial biosphere models. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 28968.	0.8	31
2	Determining Spatial Scales of Soil Moisture–Cloud Coupling Pathways Using Semi-Idealized Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, e2021JD035282.	1.2	2
3	Modeling the Joint Effects of Vegetation Characteristics and Soil Properties on Ecosystem Dynamics in a Panama Tropical Forest. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	8
4	Guidelines for Publicly Archiving Terrestrial Model Data to Enhance Usability, Intercomparison, and Synthesis. <i>Data Science Journal</i> , 2022, 21, 3.	0.6	3
5	Inverse Modeling of Hydrologic Parameters in CLM4 via Generalized Polynomial Chaos in the Bayesian Framework. <i>Computation</i> , 2022, 10, 72.	1.0	1
6	Future bioenergy expansion could alter carbon sequestration potential and exacerbate water stress in the United States. <i>Science Advances</i> , 2022, 8, eabm8237.	4.7	11
7	Impact of Vegetation Physiology and Phenology on Watershed Hydrology in a Semiarid Watershed in the Pacific Northwest in a Changing Climate. <i>Water Resources Research</i> , 2021, 57, e2020WR028394.	1.7	6
8	Coupling surface flow with high-performance subsurface reactive flow and transport code PFLOTRAN. <i>Environmental Modelling and Software</i> , 2021, 137, 104959.	1.9	15
9	Groundwater Regulates Interannual Variations in Evapotranspiration in a Riparian Semiarid Ecosystem. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033078.	1.2	6
10	Validation of the Community Land Model Version 5 Over the Contiguous United States (CONUS) Using In Situ and Remote Sensing Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033539.	1.2	19
11	Increased extreme rains intensify erosional nitrogen and phosphorus fluxes to the northern Gulf of Mexico in recent decades. <i>Environmental Research Letters</i> , 2021, 16, 054080.	2.2	12
12	Impact of Lateral Flow on Surface Water and Energy Budgets Over the Southern Great Plains—A Modeling Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033659.	1.2	8
13	Strong influence of convective heat transfer efficiency on the cooling benefits of green roof irrigation. <i>Environmental Research Letters</i> , 2021, 16, 084062.	2.2	6
14	A novel construct for scaling groundwater–river interactions based on machine-guided hydromorphic classification. <i>Environmental Research Letters</i> , 2021, 16, 104016.	2.2	1
15	The Critical Effect of Subgrid-Scale Scheme on Simulating the Climate Impacts of Deforestation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035133.	1.2	4
16	Quantifying physical parameterization uncertainties associated with land-atmosphere interactions in the WRF model over Amazon. <i>Atmospheric Research</i> , 2021, 262, 105761.	1.8	5
17	Assessing the sensitivity of land-atmosphere coupling strength to boundary and surface layer parameters in the WRF model over Amazon. <i>Atmospheric Research</i> , 2020, 234, 104738.	1.8	11
18	A substantial role of soil erosion in the land carbon sink and its future changes. <i>Global Change Biology</i> , 2020, 26, 2642-2655.	4.2	30

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19	Land Use and Land Cover Change Strongly Modulates Land–Atmosphere Coupling and Warm–Season Precipitation Over the Central United States in CESM2–VR. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001925.	1.3	11
20	Global land use for 2015–2100 at 0.05° resolution under diverse socioeconomic and climate scenarios. <i>Scientific Data</i> , 2020, 7, 320.	2.4	89
21	Biophysical impacts of Earth greening largely controlled by aerodynamic resistance. <i>Science Advances</i> , 2020, 6, .	4.7	67
22	Where Are White Roofs More Effective in Cooling the Surface?. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087853.	1.5	15
23	Effects of Irrigation on Water, Carbon, and Nitrogen Budgets in a Semiarid Watershed in the Pacific Northwest: A Modeling Study. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001953.	1.3	15
24	Neglecting irrigation contributes to the simulated summertime warm-and-dry bias in the central United States. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	2.6	24
25	Uncertainties in Turbulent Statistics and Fluxes of CO <sub>2</sub> Associated With Density Effect Corrections. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088859.	1.5	3
26	Understanding irrigation impacts on low-level jets over the Great Plains. <i>Climate Dynamics</i> , 2020, 55, 925-943.	1.7	7
27	Benchmarking and parameter sensitivity of physiological and vegetation dynamics using the Functionally Assembled Terrestrial Ecosystem Simulator (FATES) at Barro Colorado Island, Panama. <i>Biogeosciences</i> , 2020, 17, 3017-3044.	1.3	82
28	Parameterizing Perennial Bioenergy Crops in Version 5 of the Community Land Model Based on Site–Level Observations in the Central Midwestern United States. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001719.	1.3	15
29	Enlarged Nonclosure of Surface Energy Balance With Increasing Atmospheric Instabilities Linked to Changes in Coherent Structures. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032889.	1.2	6
30	Assessing impacts of selective logging on water, energy, and carbon budgets and ecosystem dynamics in Amazon forests using the Functionally Assembled Terrestrial Ecosystem Simulator. <i>Biogeosciences</i> , 2020, 17, 4999-5023.	1.3	11
31	Choice of Irrigation Water Management Practice Affects Indian Summer Monsoon Rainfall and Its Extremes. <i>Geophysical Research Letters</i> , 2019, 46, 9126-9135.	1.5	55
32	Irrigation Impact on Water and Energy Cycle During Dry Years Over the United States Using Convection–Permitting WRF and a Dynamical Recycling Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11220-11241.	1.2	34
33	Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO <sub>2</sub> fertilization. <i>Nature Geoscience</i> , 2019, 12, 809-814.	5.4	58
34	Calibration and analysis of the uncertainty in downscaling global land use and land cover projections from GCAM using Demeter (v1.0.0). <i>Geoscientific Model Development</i> , 2019, 12, 1753-1764.	1.3	15
35	Climate change will pose challenges to water quality management in the st. Croix River basin. <i>Environmental Pollution</i> , 2019, 251, 302-311.	3.7	18
36	Implications of water management representations for watershed hydrologic modeling in the Yakima River basin. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 35-49.	1.9	32

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37	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.	1.8	34
38	Dam Operations and Subsurface Hydrogeology Control Dynamics of Hydrologic Exchange Flows in a Regulated River Reach. Water Resources Research, 2019, 55, 2593-2612.	1.7	39
39	Mechanistic links between underestimated CO <sub>2</sub> fluxes and non-closure of the surface energy balance in a semi-arid sagebrush ecosystem. Environmental Research Letters, 2019, 14, 044016.	2.2	16
40	Hillslope Hydrology in Global Change Research and Earth System Modeling. Water Resources Research, 2019, 55, 1737-1772.	1.7	281
41	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.	1.2	19
42	Groundwater-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.	1.3	21
43	Subsurface biogeochemistry is a missing link between ecology and hydrology in dam-impacted river corridors. Science of the Total Environment, 2019, 657, 435-445.	3.9	19
44	Improving the SWAT forest module for enhancing water resource projections: A case study in the St. Croix River basin. Hydrological Processes, 2019, 33, 864-875.	1.1	11
45	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.	1.2	56
46	Sensitivity of Regulated Flow Regimes to Climate Change in the Western United States. Journal of Hydrometeorology, 2018, 19, 499-515.	0.7	22
47	Riverbed Hydrologic Exchange Dynamics in a Large Regulated River Reach. Water Resources Research, 2018, 54, 2715-2730.	1.7	17
48	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.	1.2	62
49	The Impact of Surface Heterogeneities and Land-Atmosphere Interactions on Shallow Clouds Over ARM SGP Site. Journal of Advances in Modeling Earth Systems, 2018, 10, 1220-1244.	1.3	17
50	Introduction to CAUSES: Description of Weather and Climate Models and Their Near-Surface Temperature Errors in 5-Day Hindcasts Near the Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2655-2683.	1.2	53
51	Exploring effective best management practices in the Miyun reservoir watershed, China. Ecological Engineering, 2018, 123, 30-42.	1.6	38
52	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.	1.9	69
53	Soil moisture estimation using tomographic ground penetrating radar in a MCMC-Bayesian framework. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2213-2231.	1.9	3
54	Modulating factors of hydrologic exchanges in a large-scale river reach: Insights from three-dimensional computational fluid dynamics simulations. Hydrological Processes, 2018, 32, 3446-3463.	1.1	11

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55	Enhancing SWAT simulation of forest ecosystems for water resource assessment: A case study in the St. Croix River basin. <i>Ecological Engineering</i> , 2018, 120, 422-431.	1.6	25
56	CAUSES: On the Role of Surface Energy Budget Errors to the Warm Surface Air Temperature Error Over the Central United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2888-2909.	1.2	60
57	Demeter – A Land Use and Land Cover Change Disaggregation Model. <i>Journal of Open Research Software</i> , 2018, 6, 15.	2.7	21
58	Airborne observations reveal elevational gradient in tropical forest isoprene emissions. <i>Nature Communications</i> , 2017, 8, 15541.	5.8	53
59	Effects of spatially distributed sectoral water management on the redistribution of water resources in an integrated water model. <i>Water Resources Research</i> , 2017, 53, 4253-4270.	1.7	30
60	Impact of vegetation dynamics on hydrological processes in a semi-arid basin by using a land surface-hydrology coupled model. <i>Journal of Hydrology</i> , 2017, 551, 116-131.	2.3	63
61	Comparison and Assessment of Three Advanced Land Surface Models in Simulating Terrestrial Water Storage Components over the United States. <i>Journal of Hydrometeorology</i> , 2017, 18, 625-649.	0.7	61
62	Bayesian inversion of seismic and electromagnetic data for marine gas reservoir characterization using multi-chain Markov chain Monte Carlo sampling. <i>Journal of Applied Geophysics</i> , 2017, 147, 68-80.	0.9	9
63	Crop yield response to climate change varies with crop spatial distribution pattern. <i>Scientific Reports</i> , 2017, 7, 1463.	1.6	95
64	A novel approach to evaluate soil heat flux calculation: An analytical review of nine methods. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6934-6949.	1.2	38
65	The critical role of the routing scheme in simulating peak river discharge in global hydrological models. <i>Environmental Research Letters</i> , 2017, 12, 075003.	2.2	105
66	Global land carbon sink response to temperature and precipitation varies with ENSO phase. <i>Environmental Research Letters</i> , 2017, 12, 064007.	2.2	39
67	Uncertainty in the response of terrestrial carbon sink to environmental drivers undermines carbon-climate feedback predictions. <i>Scientific Reports</i> , 2017, 7, 4765.	1.6	156
68	Global patterns of drought recovery. <i>Nature</i> , 2017, 548, 202-205.	13.7	560
69	Significant impacts of irrigation water sources and methods on modeling irrigation effects in the <sc>ACME</sc> and Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1665-1683.	1.3	70
70	A New Approach to Quantify Shallow Water Hydrologic Exchanges in a Large Regulated River Reach. <i>Water (Switzerland)</i> , 2017, 9, 703.	1.2	12
71	Corrigendum to “Development and Application of Improved Long-Term Datasets of Surface Hydrology for Texas”. <i>Advances in Meteorology</i> , 2017, 2017, 1-4.	0.6	0
72	Development and Application of Improved Long-Term Datasets of Surface Hydrology for Texas. <i>Advances in Meteorology</i> , 2017, 2017, 1-13.	0.6	5

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73	Coupling a three-dimensional subsurface flow and transport model with a land surface model to simulate stream-aquifer-land interactions (CPv1.0). <i>Geoscientific Model Development</i> , 2017, 10, 4539-4562.	1.3	25
74	Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. <i>Geoscientific Model Development</i> , 2016, 9, 1959-1976.	1.3	34
75	Hydrometeorological Hazards: Monitoring, Forecasting, Risk Assessment, and Socioeconomic Responses. <i>Advances in Meteorology</i> , 2016, 2016, 1-3.	0.6	17
76	On the applicability of surrogate-based Markov chain Monte Carlo-Bayesian inversion to the Community Land Model: Case studies at flux tower sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7548-7563.	1.2	22
77	Evapotranspiration of rubber ( <i>Hevea brasiliensis</i> ) cultivated at two plantation sites in Southeast Asia. <i>Water Resources Research</i> , 2016, 52, 660-679.	1.7	58
78	Emergence of new hydrologic regimes of surface water resources in the conterminous United States under future warming. <i>Environmental Research Letters</i> , 2016, 11, 114003.	2.2	43
79	The Role of Climate Covariability on Crop Yields in the Conterminous United States. <i>Scientific Reports</i> , 2016, 6, 33160.	1.6	53
80	Assessing Impacts of PBL and Surface Layer Schemes in Simulating the Surface-Atmosphere Interactions and Precipitation over the Tropical Ocean Using Observations from AMIE/DYNAMO. <i>Journal of Climate</i> , 2016, 29, 8191-8210.	1.2	16
81	Increased light-use efficiency in northern terrestrial ecosystems indicated by CO <sub>2</sub> and greening observations. <i>Geophysical Research Letters</i> , 2016, 43, 11,339.	1.5	40
82	Simulating county-level crop yields in the conterminous United States using the Community Land Model: The effects of optimizing irrigation and fertilization. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1912-1931.	1.3	26
83	Classification of hydrological parameter sensitivity and evaluation of parameter transferability across 431 US MOPEX basins. <i>Journal of Hydrology</i> , 2016, 536, 92-108.	2.3	23
84	A modeling study of irrigation effects on global surface water and groundwater resources under a changing climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1285-1304.	1.3	88
85	Global patterns and controls of soil organic carbon dynamics as simulated by multiple terrestrial biosphere models: Current status and future directions. <i>Global Biogeochemical Cycles</i> , 2015, 29, 775-792.	1.9	241
86	Toward optimal integration of terrestrial biosphere models. <i>Geophysical Research Letters</i> , 2015, 42, 4418-4428.	1.5	48
87	Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends. <i>Environmental Research Letters</i> , 2015, 10, 094008.	2.2	119
88	Improved NLDASv2 Noah-2 simulated hydrometeorological products with an interim run. <i>Hydrological Processes</i> , 2015, 29, 780-792.	1.1	21
89	The Low-Level Jet over the Southern Great Plains Determined from Observations and Reanalyses and Its Impact on Moisture Transport. <i>Journal of Climate</i> , 2015, 28, 6682-6706.	1.2	45
90	On Approaches to Analyze the Sensitivity of Simulated Hydrologic Fluxes to Model Parameters in the Community Land Model. <i>Water (Switzerland)</i> , 2015, 7, 6810-6826.	1.2	3

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91	A comparative analysis of the impacts of climate change and irrigation on land surface and subsurface hydrology in the North China Plain. <i>Regional Environmental Change</i> , 2015, 15, 251-263.	1.4	31
92	How do rubber ( <i>Hevea brasiliensis</i> ) plantations behave under seasonal water stress in northeastern Thailand and central Cambodia?. <i>Agricultural and Forest Meteorology</i> , 2015, 213, 10-22.	1.9	30
93	Evaluating Global Streamflow Simulations by a Physically Based Routing Model Coupled with the Community Land Model. <i>Journal of Hydrometeorology</i> , 2015, 16, 948-971.	0.7	81
94	Projected changes in mean and interannual variability of surface water over continental China. <i>Science China Earth Sciences</i> , 2015, 58, 739-754.	2.3	25
95	21st century United States emissions mitigation could increase water stress more than the climate change it is mitigating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10635-10640.	3.3	128
96	Bayesian Calibration of the Community Land Model Using Surrogates. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2015, 3, 199-233.	1.1	23
97	Impacts of climate change on energy consumption and peak demand in buildings: A detailed regional approach. <i>Energy</i> , 2015, 79, 20-32.	4.5	172
98	Investigating the nexus of climate, energy, water, and land at decision-relevant scales: the Platform for Regional Integrated Modeling and Analysis (PRIMA). <i>Climatic Change</i> , 2015, 129, 573-588.	1.7	119
99	A subbasin-based framework to represent land surface processes in an Earth system model. <i>Geoscientific Model Development</i> , 2014, 7, 947-963.	1.3	33
100	Toward verifying fossil fuel CO <sub>2</sub> emissions with the CMAQ model: Motivation, model description and initial simulation. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 419-435.	0.9	9
101	Modeling the Effects of Groundwater-Fed Irrigation on Terrestrial Hydrology over the Conterminous United States. <i>Journal of Hydrometeorology</i> , 2014, 15, 957-972.	0.7	116
102	Sensitivity of global terrestrial gross primary production to hydrologic states simulated by the Community Land Model using two runoff parameterizations. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 658-679.	1.3	48
103	Steady state estimation of soil organic carbon using satellite-derived canopy leaf area index. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 1049-1064.	1.3	6
104	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. <i>Environmental Research Letters</i> , 2014, 9, 064004.	2.2	36
105	Assessment of uncertainties in the response of the African monsoon precipitation to land use change simulated by a regional model. <i>Climate Dynamics</i> , 2014, 43, 2765-2775.	1.7	27
106	Impacts of climate change and vegetation dynamics on runoff in the mountainous region of the Haihe River basin in the past five decades. <i>Journal of Hydrology</i> , 2014, 511, 786-799.	2.3	72
107	Regionalization of subsurface stormflow parameters of hydrologic models: Up-scaling from physically based numerical simulations at hillslope scale. <i>Journal of Hydrology</i> , 2014, 519, 683-698.	2.3	13
108	Regionalization of subsurface stormflow parameters of hydrologic models: Derivation from regional analysis of streamflow recession curves. <i>Journal of Hydrology</i> , 2014, 519, 670-682.	2.3	33

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109	Impact of large-scale climate extremes on biospheric carbon fluxes: An intercomparison based on MsTMIP data. <i>Global Biogeochemical Cycles</i> , 2014, 28, 585-600.	1.9	181
110	Scalability of grid- and subbasin-based land surface modeling approaches for hydrologic simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 3166-3184.	1.2	16
111	Assessment of simulated water balance from Noah, Noah-MP, CLM, and VIC over CONUS using the NLDAS test bed. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,751.	1.2	127
112	Simulating black carbon and dust and their radiative forcing in seasonal snow: a case study over North China with field campaign measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11475-11491.	1.9	115
113	Robust spring drying in the southwestern U.S. and seasonal migration of wet/dry patterns in a warmer climate. <i>Geophysical Research Letters</i> , 2014, 41, 1745-1751.	1.5	64
114	A Physically Based Runoff Routing Model for Land Surface and Earth System Models. <i>Journal of Hydrometeorology</i> , 2013, 14, 808-828.	0.7	187
115	Simulation of canopy CO <sub>2</sub> /H <sub>2</sub> O fluxes for a rubber ( <i>Hevea brasiliensis</i> ) plantation in central Cambodia: The effect of the regular spacing of planted trees. <i>Ecological Modelling</i> , 2013, 265, 124-135.	1.2	14
116	Validation of Noah-Simulated Soil Temperature in the North American Land Data Assimilation System Phase 2. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 455-471.	0.6	49
117	Uncertainty Analysis of Runoff Simulations and Parameter Identifiability in the Community Land Model: Evidence from MOPEX Basins. <i>Journal of Hydrometeorology</i> , 2013, 14, 1754-1772.	0.7	55
118	A Modeling Study of Irrigation Effects on Surface Fluxes and Land-Air-Cloud Interactions in the Southern Great Plains. <i>Journal of Hydrometeorology</i> , 2013, 14, 700-721.	0.7	139
119	Spatiotemporal patterns of evapotranspiration in response to multiple environmental factors simulated by the Community Land Model. <i>Environmental Research Letters</i> , 2013, 8, 024012.	2.2	71
120	Enhancing the representation of subgrid land surface characteristics in land surface models. <i>Geoscientific Model Development</i> , 2013, 6, 1609-1622.	1.3	20
121	A generic biogeochemical module for Earth system models: Next Generation BioGeoChemical Module (NGBGC), version 1.0. <i>Geoscientific Model Development</i> , 2013, 6, 1977-1988.	1.3	7
122	Modeling the effects of irrigation on land surface fluxes and states over the conterminous United States: Sensitivity to input data and model parameters. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9789-9803.	1.2	103
123	Inverse modeling of hydrologic parameters using surface flux and runoff observations in the Community Land Model. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4995-5011.	1.9	23
124	On an improved sub-regional water resources management representation for integration into earth system models. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3605-3622.	1.9	109
125	The North American Carbon Program Multi-Scale Synthesis and Terrestrial Model Intercomparison Project – Part 1: Overview and experimental design. <i>Geoscientific Model Development</i> , 2013, 6, 2121-2133.	1.3	212
126	One-way coupling of an integrated assessment model and a water resources model: evaluation and implications of future changes over the US Midwest. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4555-4575.	1.9	61



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127	Development of high resolution land surface parameters for the Community Land Model. Geoscientific Model Development, 2012, 5, 1341-1362.	1.3	78
128	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
129	A new global river network database for macroscale hydrologic modeling. Water Resources Research, 2012, 48, .	1.7	122
130	Representing Natural and Manmade Drainage Systems in an Earth System Modeling Framework. Irrigation & Drainage Systems Engineering, 2012, 01, .	0.1	2
131	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.	1.9	22
132	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
133	Climate's "soil-vegetation" control on groundwater table dynamics and its feedbacks in a climate model. Climate Dynamics, 2011, 36, 57-81.	1.7	67
134	Long-term carbon loss and recovery following selective logging in Amazon forests. Global Biogeochemical Cycles, 2010, 24, .	1.9	52
135	Evapotranspiration and energy balance of native wet montane cloud forest in Hawaii. Agricultural and Forest Meteorology, 2009, 149, 230-243.	1.9	67
136	An ecosystem model for tropical forest disturbance and selective logging. Journal of Geophysical Research, 2008, 113, .	3.3	22
137	A Generalized Subsurface Flow Parameterization Considering Subgrid Spatial Variability of Recharge and Topography. Journal of Hydrometeorology, 2008, 9, 1151-1171.	0.7	14
138	Effects of DEM resolution on the calculation of topographical indices: TWI and its components. Journal of Hydrology, 2007, 347, 79-89.	2.3	201
139	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.	2.3	66
140	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.	2.3	537
141	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
142	A transferability study of model parameters for the variable infiltration capacity land surface scheme. Journal of Geophysical Research, 2003, 108, .	3.3	29
143	The Role of Groundwater Withdrawals on River Regulation: Example from the Columbia River Basin. Water Resources Research, 0, , .	1.7	1