

William J Sacks

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,621
citations

430874

18
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

4103
citing authors

#	ARTICLE	IF	CITATIONS
1	The Community Land Model Version 5: Description of New Features, Benchmarking, and Impact of Forcing Uncertainty. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4245-4287.	3.8	692
2	Effects of global irrigation on the near-surface climate. <i>Climate Dynamics</i> , 2009, 33, 159-175.	3.8	314
3	Estimating diurnal to annual ecosystem parameters by synthesis of a carbon flux model with eddy covariance net ecosystem exchange observations. <i>Global Change Biology</i> , 2005, 11, 335-355.	9.5	298
4	Crop management and phenology trends in the U.S. Corn Belt: Impacts on yields, evapotranspiration and energy balance. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 882-894.	4.8	286
5	Interactive Crop Management in the Community Earth System Model (CESM1): Seasonal Influences on Land-Atmosphere Fluxes. <i>Journal of Climate</i> , 2012, 25, 4839-4859.	3.2	140
6	Coupling between carbon cycling and climate in a high-elevation, subalpine forest: a model-data fusion analysis. <i>Oecologia</i> , 2007, 151, 54-68.	2.0	105
7	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.	3.3	103
8	Model-data synthesis of diurnal and seasonal CO ₂ fluxes at Niwot Ridge, Colorado. <i>Global Change Biology</i> , 2006, 12, 240-259.	9.5	92
9	Implementation and Initial Evaluation of the Glimmer Community Ice Sheet Model in the Community Earth System Model. <i>Journal of Climate</i> , 2013, 26, 7352-7371.	3.2	89
10	Improving the Representation of Polar Snow and Firn in the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2583-2600.	3.8	78
11	Estimating transpiration and the sensitivity of carbon uptake to water availability in a subalpine forest using a simple ecosystem process model informed by measured net CO ₂ and H ₂ O fluxes. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1467-1477.	4.8	74
12	Description and evaluation of the Community Ice Sheet Model (CISM) v2.1. <i>Geoscientific Model Development</i> , 2019, 12, 387-424.	3.6	68
13	Integration of Process-based Soil Respiration Models with Whole-Ecosystem CO ₂ Measurements. <i>Ecosystems</i> , 2008, 11, 250-269.	3.4	54
14	Greenland Surface Mass Balance as Simulated by the Community Earth System Model. Part I: Model Evaluation and 1850-2005 Results. <i>Journal of Climate</i> , 2013, 26, 7793-7812.	3.2	51
15	Greenland Surface Mass Balance as Simulated by the Community Earth System Model. Part II: Twenty-First-Century Changes. <i>Journal of Climate</i> , 2014, 27, 215-226.	3.2	41
16	A Multiscale and Multidisciplinary Investigation Of Ecosystem-Atmosphere CO ₂ Exchange Over the Rocky Mountains of Colorado. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 209-230.	3.3	29
17	Regional grid refinement in an Earth system model: impacts on the simulated Greenland surface mass balance. <i>Cryosphere</i> , 2019, 13, 1547-1564.	3.9	26
18	Present-Day Greenland Ice Sheet Climate and Surface Mass Balance in CESM2. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005318.	2.8	24

#	ARTICLE	IF	CITATIONS
19	A technique for generating consistent ice sheet initial conditions for coupled ice sheet/climate models. <i>Geoscientific Model Development</i> , 2014, 7, 1183-1195.	3.6	13
20	Description and Demonstration of the Coupled Community Earth System Model v2 "Community Ice Sheet Model v2 (CESM2-CISM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002356.	3.8	13
21	Accelerated Greenland Ice Sheet Mass Loss Under High Greenhouse Gas Forcing as Simulated by the Coupled CESM2.1-CISM2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002031.	3.8	12
22	An Efficient Ice Sheet/Earth System Model Spin-up Procedure for CESM2-CISM2: Description, Evaluation, and Broader Applicability. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001984.	3.8	10
23	Simulating the Impact of Global Reservoir Expansion on the Present-Day Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034485.	3.3	9