William J Sacks

List of Publications by Year
in descending order

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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	Description and Demonstration of the Coupled Community Earth System Model v2 â€“ Community Ice Sheet Model v2 (CESM2â€CISM2). Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002356.	3.8	13
2	Simulating the Impact of Global Reservoir Expansion on the Presentâ€Day Climate. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034485.	3.3	9
3	An Efficient Ice Sheet/Earth System Model Spinâ€up Procedure for CESM2â€CISM2: Description, Evaluation, and Broader Applicability. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001984.	3.8	10
4	Accelerated Greenland Ice Sheet Mass Loss Under High Greenhouse Gas Forcing as Simulated by the Coupled CESM2.1â€CISM2.1. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002031.	3.8	12
5	Presentâ€Day Greenland Ice Sheet Climate and Surface Mass Balance in CESM2. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005318.	2.8	24
6	Regional grid refinement in an Earth system model: impacts on the simulated Greenland surface mass balance. Cryosphere, 2019, 13, 1547-1564.	3.9	26
7	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.	3.8	692
8	Description and evaluation of the Community Ice Sheet Model (CISM) v2.1. Geoscientific Model Development, 2019, 12, 387-424.	3.6	68
9	Improving the Representation of Polar Snow and Firn in the Community Earth System Model. Journal of Advances in Modeling Earth Systems, 2017, 9, 2583-2600.	3.8	78
10	A technique for generating consistent ice sheet initial conditions for coupled ice sheet/climate models. Geoscientific Model Development, 2014, 7, 1183-1195.	3.6	13
11	Greenland Surface Mass Balance as Simulated by the Community Earth System Model. Part II: Twenty-First-Century Changes. Journal of Climate, 2014, 27, 215-226.	3.2	41
12	Implementation and Initial Evaluation of the Glimmer Community Ice Sheet Model in the Community Earth System Model. Journal of Climate, 2013, 26, 7352-7371.	3.2	89
13	Greenland Surface Mass Balance as Simulated by the Community Earth System Model. Part I: Model Evaluation and 1850â€“2005 Results. Journal of Climate, 2013, 26, 7793-7812.	3.2	51
14	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
15	Interactive Crop Management in the Community Earth System Model (CESM1): Seasonal Influences on Landâ€“Atmosphere Fluxes. Journal of Climate, 2012, 25, 4839-4859.	3.2	140
16	Crop management and phenology trends in the U.S. Corn Belt: Impacts on yields, evapotranspiration and energy balance. Agricultural and Forest Meteorology, 2011, 151, 882-894.	4.8	286
17	A Multiscale and Multidisciplinary Investigation Of Ecosystemâ€“Atmosphere CO2 Exchange Over the Rocky Mountains of Colorado. Bulletin of the American Meteorological Society, 2010, 91, 209-230.	3.3	29
18	Effects of global irrigation on the near-surface climate. Climate Dynamics, 2009, 33, 159-175.	3.8	314

#	Article	IF	Citations
19	Integration of Process-based Soil Respiration Models with Whole-Ecosystem CO2 Measurements. Ecosystems, 2008, 11, 250-269.	3.4	54
20	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 CO2 and H2O fluxes. Agricultural and Forest Meteorology, 2008, 148, 1467-1477.	4.8	74
21	Coupling between carbon cycling and climate in a high-elevation, subalpine forest: a model-data fusion analysis. Oecologia, 2007, 151, 54-68.	2.0	105
22	Model-data synthesis of diurnal and seasonal CO2 fluxes at Niwot Ridge, Colorado. Global Change Biology, 2006, 12, 240-259.	9.5	92
23	Estimating diurnal to annual ecosystem parameters by synthesis of a carbon flux model with eddy covariance net ecosystem exchange observations. Global Change Biology, 2005, 11, 335-355.	9.5	298