

Charles Jackson

List of Publications by Year in descending order

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47
papers

1,373
citations

394421

19
h-index

361022

35
g-index

54
all docs

54
docs citations

54
times ranked

2361
citing authors

#	ARTICLE	IF	CITATIONS
1	Ice-sheet model sensitivities to environmental forcing and their use in projecting future sea level (the Tj ETQq1 1 0,784314 rgBT /Overd	2.2	222
2	Error Reduction and Convergence in Climate Prediction. Journal of Climate, 2008, 21, 6698-6709.	3.2	114
3	An Efficient Stochastic Bayesian Approach to Optimal Parameter and Uncertainty Estimation for Climate Model Predictions. Journal of Climate, 2004, 17, 2828-2841.	3.2	100
4	Orbital forcing of Arctic climate: mechanisms of climate response and implications for continental glaciation. Climate Dynamics, 2003, 21, 539-557.	3.8	85
5	Insights into spatial sensitivities of ice mass response to environmental change from the SeaRISE ice sheet modeling project II: Greenland. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1025-1044.	2.8	79
6	Improving land-surface model hydrology: Is an explicit aquifer model better than a deeper soil profile?. Geophysical Research Letters, 2007, 34, .	4.0	72
7	Insights into spatial sensitivities of ice mass response to environmental change from the SeaRISE ice sheet modeling project I: Antarctica. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1002-1024.	2.8	63
8	Multidecadal rainfall variability in South Pacific Convergence Zone as revealed by stalagmite geochemistry. Geology, 2013, 41, 1143-1146.	4.4	51
9	Optimal parameter and uncertainty estimation of a land surface model: A case study using data from Cabauw, Netherlands. Journal of Geophysical Research, 2003, 108, .	3.3	49
10	Reliability of multi-model and structurally different single-model ensembles. Climate Dynamics, 2012, 39, 599-616.	3.8	49
11	Uncertainty Quantification in Climate Modeling and Projection. Bulletin of the American Meteorological Society, 2016, 97, 821-824.	3.3	49
12	Statistical constraints on El Niño Southern Oscillation reconstructions using individual foraminifera: A sensitivity analysis. Paleoceanography, 2013, 28, 401-412.	3.0	45
13	Impacts of data length on optimal parameter and uncertainty estimation of a land surface model. Journal of Geophysical Research, 2004, 109, .	3.3	39
14	Computational methods for parameter estimation in climate models. Bayesian Analysis, 2008, 3, .	3.0	33
15	The Importance of Atmospheric Dynamics in the Northern Hemisphere Wintertime Climate Response to Changes in the Earth's Orbit. Journal of Climate, 2005, 18, 1315-1325.	3.2	30
16	A Bayesian, multivariate calibration for <i>Globigerinoides ruber</i> Mg/Ca. Geochemistry, Geophysics, Geosystems, 2015, 16, 2916-2932.	2.5	28
17	Assessing millennial-scale variability during the Holocene: A perspective from the western tropical Pacific. Paleoceanography, 2014, 29, 143-159.	3.0	24
18	A multivariate empirical-orthogonal-function-based measure of climate model performance. Journal of Geophysical Research, 2004, 109, .	3.3	23

#	ARTICLE	IF	CITATIONS
19	Reliability and importance of structural diversity of climate model ensembles. <i>Climate Dynamics</i> , 2013, 41, 2745-2763.	3.8	23
20	Computer Model Calibration Using the Ensemble Kalman Filter. <i>Technometrics</i> , 2013, 55, 488-500.	1.9	20
21	Using Single-Forcing GCM Simulations to Reconstruct and Interpret Quaternary Climate Change. <i>Journal of Climate</i> , 2015, 28, 9746-9767.	3.2	17
22	Rate of Mass Loss Across the Instability Threshold for Thwaites Glacier Determines Rate of Mass Loss for Entire Basin. <i>Geophysical Research Letters</i> , 2018, 45, 809-816.	4.0	17
23	Sensitivity of stationary wave amplitude to regional changes in Laurentide ice sheet topography in single-layer models of the atmosphere. <i>Journal of Geophysical Research</i> , 2000, 105, 24443-24454.	3.3	16
24	Ice-flow reorganization within the East Antarctic Ice Sheet deep interior. <i>Geological Society Special Publication</i> , 2018, 461, 35-47.	1.3	12
25	Polynomial Chaos-Based Bayesian Inference of K-Profile Parameterization in a General Circulation Model of the Tropical Pacific. <i>Monthly Weather Review</i> , 2016, 144, 4621-4640.	1.4	11
26	Multidataset Study of Optimal Parameter and Uncertainty Estimation of a Land Surface Model with Bayesian Stochastic Inversion and Multicriteria Method. <i>Journal of Applied Meteorology and Climatology</i> , 2004, 43, 1477-1497.	1.7	10
27	Differences in rain rate intensities between TRMM observations and community atmosphere model simulations. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	10
28	A box model test of the freshwater forcing hypothesis of abrupt climate change and the physics governing ocean stability. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	10
29	A Test of Emergent Constraints on Cloud Feedback and Climate Sensitivity Using a Calibrated Single-Model Ensemble. <i>Journal of Climate</i> , 2018, 31, 7515-7532.	3.2	10
30	Use of Bayesian inference and data to improve simulations of multi-physics climate phenomena. <i>Journal of Physics: Conference Series</i> , 2009, 180, 012029.	0.4	7
31	Effect of Tropical Nonconvective Condensation on Uncertainty in Modeled Projections of Rainfall. <i>Journal of Climate</i> , 2019, 32, 6571-6588.	3.2	7
32	Model evidence for a seasonal bias in Antarctic ice cores. <i>Nature Communications</i> , 2018, 9, 1361.	12.8	6
33	How parameter specification of an Earth system model of intermediate complexity influences its climate simulations. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	6
34	Critical and finite-size behavior of the Heisenberg model with face-centered-cubic anisotropy. <i>Physical Review B</i> , 1993, 47, 197-201.	3.2	5
35	Buoyancy-driven flow and nature of vertical mixing in a zonally averaged model. <i>Geophysical Monograph Series</i> , 2007, , 33-52.	0.1	5
36	Plausible effect of climate model bias on abrupt climate change simulations in Atlantic sector. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1904-1913.	1.4	5

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37	A new test statistic for climate models that includes field and spatial dependencies using Gaussian Markov random fields. <i>Geoscientific Model Development</i> , 2016, 9, 2407-2414.	3.6	5
38	Non-parametric Sampling Approximation via Voronoi Tessellations. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2016, 45, 717-736.	1.2	4
39	Bayesian estimation of englacial radar chronology in Central West Antarctica. <i>Dynamics and Statistics of the Climate System</i> , 2018, 3, .	0.8	4
40	Influence of the interaction between antenna currents and return currents on the coupling between digital interfaces and on-board antennas. , 2013, , .		3
41	EFFECT OF FORCING DATA ERRORS ON CALIBRATION AND UNCERTAINTY ESTIMATES OF THE CHASM MODEL: A MULTI-DATASET STUDY. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , 2004, , 340-355.	0.2	2
42	Metric of the 2â€“6day sea-surface temperature response to wind stress in the Tropical Pacific and its sensitivity to the K-Profile Parameterization of vertical mixing. <i>Ocean Modelling</i> , 2014, 79, 54-64.	2.4	1
43	Sensitivity of a two-layer model atmosphere to changes in ice-sheet topography. <i>Annals of Glaciology</i> , 1997, 25, 246-249.	1.4	1
44	Sensitivity of stationary wave amplitude to regional changes in Laurentide ice sheet topography. <i>Geophysical Monograph Series</i> , 1999, , 329-337.	0.1	0
45	Analysis of climate sensitivity via high-dimensional principal component regression. <i>Communications in Statistics Case Studies Data Analysis and Applications</i> , 2019, 5, 394-414.	0.3	0
46	Can models of abrupt climate change be tested from sea level reconstructions?. <i>PAGES News</i> , 2006, 14, 24-26.	0.3	0
47	Abrupt transitions in an atmospheric single-column model with weak temperature gradient approximation. <i>Weather and Climate Dynamics</i> , 2020, 1, 389-404.	3.5	0