Jonathan Demaeyer

List of Publications by Year
in descending order

13 papers	273 citations	1307594 7 h-index	1281871 11 g-index
36 all docs	36 docs citations	36 times ranked	204 citing authors

#	Article	IF	Citations
1	Statistical Postprocessing for Weather Forecasts: Review, Challenges, and Avenues in a Big Data World. Bulletin of the American Meteorological Society, 2021, 102, E681-E699.	3.3	106
2	Low-frequency variability and heat transport in a low-order nonlinear coupled ocean–atmosphere model. Physica D: Nonlinear Phenomena, 2015, 309, 71-85.	2.8	35
3	The Modular Arbitrary-Order Ocean-Atmosphere Model: MAOOAMÂv1.0. Geoscientific Model Development, 2016, 9, 2793-2808.	3.6	26
4	Exploring the Lyapunov instability properties of high-dimensional atmospheric and climate models. Nonlinear Processes in Geophysics, 2018, 25, 387-412.	1.3	26
5	Stochastic parametrization of subgrid–scale processes in coupled ocean–atmosphere systems: benefits and limitations of response theory. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 881-896.	2.7	17
6	Noise-induced escape from bifurcating attractors: Symplectic approach in the weak-noise limit. Physical Review E, 2009, 80, 031147.	2.1	9
7	Comparison of stochastic parameterizations in the framework of a coupled ocean–atmosphere model. Nonlinear Processes in Geophysics, 2018, 25, 605-631.	1.3	9
8	qgs: A flexible Python framework of reduced-order multiscale climate models. Journal of Open Source Software, 2020, 5, 2597.	4.6	9
9	Extratropical Low–Frequency Variability With ENSO Forcing: A Reduced–Order Coupled Model Study. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002530.	3.8	7
10	Stochastic Parameterization of Subgrid-Scale Processes: A Review of Recent Physically Based Approaches. , 2018, , 55-85.		6
11	Correcting for model changes in statistical postprocessing – an approach based on response theory. Nonlinear Processes in Geophysics, 2020, 27, 307-327.	1.3	5
12	A trace formula for activated escape in noisy maps. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P10026.	2.3	4
13	Identifying efficient ensemble perturbations for initializing subseasonal–to–seasonal prediction. Journal of Advances in Modeling Earth Systems, 0, , .	3.8	3