

Dmitry Dukhovskoy

List of Publications by Year in descending order

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38
papers

1,070
citations

430874

18
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414414

32
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44
all docs

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docs citations

44
times ranked

1541
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea Ice Rheology Experiment (SIREx): 2. Evaluating Linear Kinematic Features in High-Resolution Sea Ice Simulations. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	13
2	Sea Ice Rheology Experiment (SIREx): 1. Scaling and Statistical Properties of Sea-Ice Deformation Fields. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	15
3	Development of the CSOMIO Coupled Ocean-Oil-Sediment- Biology Model. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
4	Mechanisms of interannual variability of deep convection in the Greenland sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 174, 103557.	1.4	10
5	Assessment of Numerical Simulations of Deep Circulation and Variability in the Gulf of Mexico Using Recent Observations. <i>Journal of Physical Oceanography</i> , 2020, 50, 1045-1064.	1.7	20
6	Remotely Sensed Winds and Wind Stresses for Marine Forecasting and Ocean Modeling. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	71
7	Role of Greenland Freshwater Anomaly in the Recent Freshening of the Subpolar North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3333-3360.	2.6	48
8	Measurement Characteristics of Near-Surface Currents from Ultra-Thin Drifters, Drogued Drifters, and HF Radar. <i>Remote Sensing</i> , 2018, 10, 1633.	4.0	19
9	Hindcast modeling of oil slick persistence from natural seeps. <i>Remote Sensing of Environment</i> , 2017, 189, 96-107.	11.0	32
10	Comparison of the ocean surface vector winds from atmospheric reanalysis and scatterometer-based wind products over the Nordic Seas and the northern North Atlantic and their application for ocean modeling. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1943-1973.	2.6	8
11	Over What Area Did the Oil and Gas Spread During the 2010 Deepwater Horizon Oil Spill?. <i>Oceanography</i> , 2016, 29, 96-107.	1.0	34
12	A topological approach for quantitative comparisons of ocean model fields to satellite ocean color data. <i>Methods in Oceanography</i> , 2016, 17, 232-250.	1.6	7
13	Greenland freshwater pathways in the subarctic Seas from model experiments with passive tracers. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 877-907.	2.6	67
14	Skill metrics for evaluation and comparison of sea ice models. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5910-5931.	2.6	26
15	Arctic circulation regimes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140160.	3.4	141
16	Characterization of the uncertainty of loop current metrics using a multidecadal numerical simulation and altimeter observations. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 100, 140-158.	1.4	47
17	Nonlocal impacts of the Loop Current on cross-slope near-bottom flow in the northeastern Gulf of Mexico. <i>Geophysical Research Letters</i> , 2015, 42, 2926-2933.	4.0	5
18	Investigation of the Relationship Between the Yucatan Channel Transport and the Loop Current Area in a Multidecadal Numerical Simulation. <i>Marine Technology Society Journal</i> , 2014, 48, 15-26.	0.4	12

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19	DETECTION AND MAPPING OF FLOATING OIL EMULSIONS WITH SYNTHETIC APERTURE RADAR (SAR) IMAGERY. International Oil Spill Conference Proceedings, 2014, 2014, 300657.	0.1	1
20	A downscaling method for simulating deep current interactions with topography – Application to the Sigsbee Escarpment. Ocean Modelling, 2013, 69, 50-63.	2.4	3
21	Detection of Floating Oil Anomalies From the Deepwater Horizon Oil Spill With Synthetic Aperture Radar. Oceanography, 2013, 26, .	1.0	99
22	Mercury in the Gulf of Mexico: Sources to receptors. Environmental Research, 2012, 119, 42-52.	7.5	40
23	A screening model analysis of mercury sources, fate and bioaccumulation in the Gulf of Mexico. Environmental Research, 2012, 119, 53-63.	7.5	20
24	Analysis Methods for Characterizing Salinity Variability from Multivariate Time Series Applied to the Apalachicola Bay Estuary. Journal of Atmospheric and Oceanic Technology, 2012, 29, 613-628.	1.3	10
25	Correction to –Forced tidal response in the Gulf of Mexico–, Journal of Geophysical Research, 2011, 116, .	3.3	0
26	Comparison of ocean surface wind products in the perspective of ocean modeling of the Nordic Seas. , 2011, , .		0
27	Simulation of the Hurricane Dennis storm surge and considerations for vertical resolution. Natural Hazards, 2011, 58, 511-540.	3.4	25
28	A multi-model nesting approach for simulating deep ocean dynamics and topographic interactions. , 2011, , .		0
29	Forced tidal response in the Gulf of Mexico. Journal of Geophysical Research, 2010, 115, .	3.3	13
30	Generation of baroclinic topographic waves by a tropical cyclone impacting a low-latitude continental shelf. Continental Shelf Research, 2009, 29, 333-351.	1.8	11
31	Connectivity of the Apalachicola River flow variability and the physical and bio-optical oceanic properties of the northern West Florida Shelf. Continental Shelf Research, 2009, 29, 1264-1275.	1.8	38
32	Application of a vanishing, quasi-sigma, vertical coordinate for simulation of high-speed, deep currents over the Sigsbee Escarpment in the Gulf of Mexico. Ocean Modelling, 2009, 28, 250-265.	2.4	27
33	Arctic decadal variability from an idealized atmosphere-ice-ocean model: 2. Simulation of decadal oscillations. Journal of Geophysical Research, 2006, 111, .	3.3	22
34	Arctic decadal variability from an idealized atmosphere-ice-ocean model: 1. Model description, calibration, and validation. Journal of Geophysical Research, 2006, 111, .	3.3	10
35	Remote forcing contribution to storm-induced sea level rise during Hurricane Dennis. Geophysical Research Letters, 2006, 33, .	4.0	60
36	Influence of multi-step topography on barotropic waves and consequences for numerical modeling. Ocean Modelling, 2006, 14, 45-60.	2.4	8

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37	Modeling studies of the upper ocean response to a tropical cyclone. <i>Ocean Dynamics</i> , 2006, 56, 594-606.	2.2	39
38	Arctic decadal variability: An auto-oscillatory system of heat and fresh water exchange. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	53