

# Dmitry Dukhovskoy

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,070  
citations

430874

18  
h-index

414414

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arctic circulation regimes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140160.	3.4	141
2	Detection of Floating Oil Anomalies From the Deepwater Horizon Oil Spill With Synthetic Aperture Radar. Oceanography, 2013, 26, .	1.0	99
3	Remotely Sensed Winds and Wind Stresses for Marine Forecasting and Ocean Modeling. Frontiers in Marine Science, 2019, 6, .	2.5	71
4	Greenland freshwater pathways in the subarctic seas from model experiments with passive tracers. Journal of Geophysical Research: Oceans, 2016, 121, 877-907.	2.6	67
5	Remote forcing contribution to storm-induced sea level rise during Hurricane Dennis. Geophysical Research Letters, 2006, 33, .	4.0	60
6	Arctic decadal variability: An auto-oscillatory system of heat and fresh water exchange. Geophysical Research Letters, 2004, 31, .	4.0	53
7	Role of Greenland Freshwater Anomaly in the Recent Freshening of the Subpolar North Atlantic. Journal of Geophysical Research: Oceans, 2019, 124, 3333-3360.	2.6	48
8	Characterization of the uncertainty of loop current metrics using a multidecadal numerical simulation and altimeter observations. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 100, 140-158.	1.4	47
9	Mercury in the Gulf of Mexico: Sources to receptors. Environmental Research, 2012, 119, 42-52.	7.5	40
10	Modeling studies of the upper ocean response to a tropical cyclone. Ocean Dynamics, 2006, 56, 594-606.	2.2	39
11	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
12	Over What Area Did the Oil and Gas Spread During the 2010 Deepwater Horizon Oil Spill?. Oceanography, 2016, 29, 96-107.	1.0	34
13	Hindcast modeling of oil slick persistence from natural seeps. Remote Sensing of Environment, 2017, 189, 96-107.	11.0	32
14	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
15	Skill metrics for evaluation and comparison of sea ice models. Journal of Geophysical Research: Oceans, 2015, 120, 5910-5931.	2.6	26
16	Simulation of the Hurricane Dennis storm surge and considerations for vertical resolution. Natural Hazards, 2011, 58, 511-540.	3.4	25
17	Arctic decadal variability from an idealized atmosphere-ice-ocean model: 2. Simulation of decadal oscillations. Journal of Geophysical Research, 2006, 111, .	3.3	22
18	A screening model analysis of mercury sources, fate and bioaccumulation in the Gulf of Mexico. Environmental Research, 2012, 119, 53-63.	7.5	20

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Forced tidal response in the Gulf of Mexico. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13
23	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
24	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
25	Development of the CSOMIO Coupled Ocean-Oil-Sediment- Biology Model. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
26	Generation of baroclinic topographic waves by a tropical cyclone impacting a low-latitude continental shelf. <i>Continental Shelf Research</i> , 2009, 29, 333-351.	1.8	11
27	Arctic decadal variability from an idealized atmosphere-ice-ocean model: 1. Model description, calibration, and validation. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	10
28	Analysis Methods for Characterizing Salinity Variability from Multivariate Time Series Applied to the Apalachicola Bay Estuary. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 613-628.	1.3	10
29	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
30	Influence of multi-step topography on barotropic waves and consequences for numerical modeling. <i>Ocean Modelling</i> , 2006, 14, 45-60.	2.4	8
31	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
32	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
33	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
34	A downscaling method for simulating deep current interactions with topography – Application to the Sigsbee Escarpment. <i>Ocean Modelling</i> , 2013, 69, 50-63.	2.4	3
35	DETECTION AND MAPPING OF FLOATING OIL EMULSIONS WITH SYNTHETIC APERTURE RADAR (SAR) IMAGERY. <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 300657.	0.1	1
36	Correction to “Forced tidal response in the Gulf of Mexico”: <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	0

#	ARTICLE	IF	CITATIONS
37	Comparison of ocean surface wind products in the perspective of ocean modeling of the Nordic Seas. , 2011, , .		0
38	A multi-model nesting approach for simulating deep ocean dynamics and topographic interactions. , 2011, , .		0