

Maxim Nikurashin

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,042
citations

331670

21
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

1529
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of Eddy Diffusivity across Jets in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2010, 40, 1501-1519.	1.7	202
2	Global energy conversion rate from geostrophic flows into internal lee waves in the deep ocean. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	192
3	Radiation and Dissipation of Internal Waves Generated by Geostrophic Motions Impinging on Small-Scale Topography: Theory. <i>Journal of Physical Oceanography</i> , 2010, 40, 1055-1074.	1.7	168
4	A Theory of the Interhemispheric Meridional Overturning Circulation and Associated Stratification. <i>Journal of Physical Oceanography</i> , 2012, 42, 1652-1667.	1.7	149
5	Routes to energy dissipation for geostrophic flows in the Southern Ocean. <i>Nature Geoscience</i> , 2013, 6, 48-51.	12.9	132
6	Turning Ocean Mixing Upside Down. <i>Journal of Physical Oceanography</i> , 2016, 46, 2239-2261.	1.7	132
7	Radiation and Dissipation of Internal Waves Generated by Geostrophic Motions Impinging on Small-Scale Topography: Application to the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2010, 40, 2025-2042.	1.7	130
8	A Theory of Deep Stratification and Overturning Circulation in the Ocean. <i>Journal of Physical Oceanography</i> , 2011, 41, 485-502.	1.7	129
9	Overturning circulation driven by breaking internal waves in the deep ocean. <i>Geophysical Research Letters</i> , 2013, 40, 3133-3137.	4.0	118
10	Southern Ocean buoyancy forcing of ocean ventilation and glacial atmospheric CO ₂ . <i>Nature Geoscience</i> , 2015, 8, 861-864.	12.9	99
11	ACCESS-OM2 v1.0: a global ocean-sea ice model at three resolutions. <i>Geoscientific Model Development</i> , 2020, 13, 401-442.	3.6	91
12	Efficiency of turbulent mixing in the abyssal ocean circulation. <i>Geophysical Research Letters</i> , 2017, 44, 6296-6306.	4.0	89
13	A Mechanism for Local Dissipation of Internal Tides Generated at Rough Topography. <i>Journal of Physical Oceanography</i> , 2011, 41, 378-395.	1.7	86
14	The Impact of Finite-Amplitude Bottom Topography on Internal Wave Generation in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2014, 44, 2938-2950.	1.7	61
15	Sensitivity of the Ocean State to Lee Wave-Driven Mixing. <i>Journal of Physical Oceanography</i> , 2014, 44, 900-921.	1.7	51
16	Internal tide generation by abyssal hills using analytical theory. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6303-6318.	2.6	46
17	Influence of Enhanced Abyssal Diapycnal Mixing on Stratification and the Ocean Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2015, 45, 2580-2597.	1.7	39
18	Dissipation of mesoscale eddies and its contribution to mixing in the northern South China Sea. <i>Scientific Reports</i> , 2019, 9, 556.	3.3	32

#	ARTICLE	IF	CITATIONS
19	Energy Loss from Transient Eddies due to Lee Wave Generation in the Southern Ocean. Journal of Physical Oceanography, 2018, 48, 2867-2885.	1.7	30
20	Downstream Propagation and Remote Dissipation of Internal Waves in the Southern Ocean. Journal of Physical Oceanography, 2019, 49, 1873-1887.	1.7	25
21	Energy Flux into Internal Lee Waves: Sensitivity to Future Climate Changes Using Linear Theory and a Climate Model. Journal of Climate, 2015, 28, 2365-2384.	3.2	23
22	Small-scale Topographic Form Stress and Local Dynamics of the Southern Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015420.	2.6	4
23	Revisiting the Seasonal Cycle of the Timor Throughflow: Impacts of Winds, Waves and Eddies. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	4
24	The lifecycle of topographically-generated internal waves. , 2022, , 117-144.		3
25	Non-local Energy Dissipation of Lee Waves and Turbulence in the South China Sea. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	3