Nikolai A Maximenko

List of Publications by Year
in descending order

54	6,227	159585 30	189892 50
papers	citations	h-index	g-index

55	55	55	5878
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmental applications of remote sensing. , 2021, , 107-163.		5
2	A new ocean mean dynamic topography model, derived from a combination of gravity, altimetry and drifter velocity data. Advances in Space Research, 2021, 68, 1090-1102.	2.6	18
3	Altimetry for the future: Building on 25 years of progress. Advances in Space Research, 2021, 68, 319-363.	2.6	119
4	Similarities and Contrasts in Time-Mean Striated Surface Tracers in Pacific Eastern Boundary Upwelling Systems: The Role of Ocean Currents in Their Generation. Fluids, 2021, 6, 455.	1.7	0
5	Emergence of a neopelagic community through the establishment of coastal species on the high seas. Nature Communications, 2021, 12, 6885.	12.8	32
6	A Plasticene Lexicon. Marine Pollution Bulletin, 2020, 150, 110714.	5.0	69
7	The physical oceanography of the transport of floating marine debris. Environmental Research Letters, 2020, 15, 023003.	5.2	469
8	SEASTAR: A Mission to Study Ocean Submesoscale Dynamics and Small-Scale Atmosphere-Ocean Processes in Coastal, Shelf and Polar Seas. Frontiers in Marine Science, 2019, 6, .	2.5	37
9	Toward the Integrated Marine Debris Observing System. Frontiers in Marine Science, 2019, 6, .	2.5	178
10	Global in situ Observations of Essential Climate and Ocean Variables at the Airâ€“Sea Interface. Frontiers in Marine Science, 2019, 6, .	2.5	49
11	Measuring Marine Plastic Debris from Space: Initial Assessment of Observation Requirements. Remote Sensing, 2019, 11, 2443.	4.0	97
12	Numerical simulations of debris drift from the Great Japan Tsunami of 2011 and their verification with observational reports. Marine Pollution Bulletin, 2018, 132, 5-25.	5.0	67
13	The influx of marine debris from the Great Japan Tsunami of 2011 to North American shorelines. Marine Pollution Bulletin, 2018, 132, 26-32.	5.0	64
14	Signature of mesoscale eddies in satellite sea surface salinity data. Journal of Geophysical Research: Oceans, 2017, 122, 1416-1424.	2.6	44
15	Striations and preferred eddy tracks triggered by topographic steering of the background flow in the eastern <scp>S</scp>outh <scp>P</scp>acific. Journal of Geophysical Research: Oceans, 2017, 122, 2847-2870.	2.6	15
16	Coherent mesoscale eddies in the <scp>N</scp>orth <scp>A</scp>tlantic subtropical gyre: 3â€Ð structure and transport with application to the salinity maximum. Journal of Geophysical Research: Oceans, 2017, 122, 23-41.	2.6	51
17	On the shape of sea level anomaly signal on periphery of mesoscale ocean eddies. Geophysical Research Letters, 2017, 44, 6926-6932.	4.0	20
18	Using Numerical Model Simulations to Improve the Understanding of Micro-plastic Distribution and Pathways in the Marine Environment. Frontiers in Marine Science, 2017, 4, .	2.5	157

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19	Satellite estimate of freshwater exchange between the Indonesian Seas and the Indian Ocean via the Sunda Strait. Journal of Geophysical Research: Oceans, 2016, 121, 5098-5111.	2.6	8
20	Optimum interpolation analysis of <scp>A</scp>quarius sea surface salinity. Journal of Geophysical Research: Oceans, 2016, 121, 602-616.	2.6	58
21	Modeling the drift of Japan Tsunami Marine Debris (JTMD): An application of high computing simulation and data assimilation. , 2016, , .		1
22	Analysis of flight MH370 potential debris trajectories using ocean observations and numerical model results. Journal of Operational Oceanography, 2016, 9, 126-138.	1.2	31
23	Remote sensing of marine debris. , 2016, , .		4
24	Composition and potential origin of marine debris stranded in the Western Indian Ocean on remote Alphonse Island, Seychelles. Marine Pollution Bulletin, 2015, 96, 76-86.	5.0	141
25	A global inventory of small floating plastic debris. Environmental Research Letters, 2015, 10, 124006.	5.2	1,113
26	Spatial Optimal Interpolation of Aquarius Sea Surface Salinity: Algorithms and Implementation in the North Atlantic*. Journal of Atmospheric and Oceanic Technology, 2014, 31, 1583-1600.	1.3	34
27	Mechanisms for the emergence of ocean striations in the North Pacific. Geophysical Research Letters, 2014, 41, 948-953.	4.0	15
28	Linear Wind-Forced Beta Plumes with Application to the Hawaiian Lee Countercurrent*. Journal of Physical Oceanography, 2013, 43, 2071-2094.	1.7	14
29	Plastic pollution in the South Pacific subtropical gyre. Marine Pollution Bulletin, 2013, 68, 71-76.	5.0	485
30	Tracking the sources and sinks of local marine debris in Hawaiâ€˜i. Marine Environmental Research, 2013, 84, 76-83.	2.5	115
31	Ocean Surface Circulation. International Geophysics, 2013, , 283-304.	0.6	23
32	Plastic Pollution in the South Pacific Subtropical Gyre. Plastics Engineering, 2013, 69, 38-44.	0.0	7
33	Evaluating Where and Why Drifters Die*. Journal of Atmospheric and Oceanic Technology, 2012, 29, 300-308.	1.3	55
34	Pathways of marine debris derived from trajectories of Lagrangian drifters. Marine Pollution Bulletin, 2012, 65, 51-62.	5.0	498
35	Understanding sources, sinks, and transport of marine debris. Eos, 2011, 92, 235-235.	0.1	3
36	Plastic Accumulation in the North Atlantic Subtropical Gyre. Science, 2010, 329, 1185-1188.	12.6	1,024

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37	Quasi-stationary striations in basin-scale oceanic circulation: vorticity balance from observations and eddy-resolving model. Ocean Dynamics, 2010, 60, 653-666.	2.2	27
38	The Future of Oceanography from Space: Introduction to the Special Issue. Oceanography, 2010, 23, 12-13.	1.0	1
39	A Tribute to Peter Niiler. Oceanography, 2010, 23, 5-5.	1.0	1
40	Monitoring Ocean Currents with Satellite Sensors. Oceanography, 2010, 23, 94-103.	1.0	98
41	Observational evidence for propagation of decadal spiciness anomalies in the North Pacific. Geophysical Research Letters, 2010, 37, .	4.0	66
42	Evidence of timeâ€mean cyclonic cell southwest of Iberian Peninsula: The Mediterranean Outflowâ€driven Î²â€plume?. Geophysical Research Letters, 2010, 37, .	4.0	15
43	Mean Dynamic Topography of the Ocean Derived from Satellite and Drifting Buoy Data Using Three Different Techniques*. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1910-1919.	1.3	233
44	Biological and physical forcings of late summer chlorophyll blooms at 30Â°N in the oligotrophic Pacific. Journal of Marine Systems, 2008, 69, 164-176.	2.1	44
45	Stationary mesoscale jetâ€like features in the ocean. Geophysical Research Letters, 2008, 35, .	4.0	115
46	The degree of anisotropy for midâ€ocean currents from satellite observations and an eddyâ€permitting model simulation. Journal of Geophysical Research, 2007, 112, .	3.3	36
47	Observational evidence of alternating zonal jets in the world ocean. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	213
48	Ocean thermal advective effect on the annual range of sea surface temperature. Geophysical Research Letters, 2005, 32, .	4.0	23
49	Correspondence between Lagrangian and Eulerian Velocity Statistics at the ASUKA Line. Journal of Oceanography, 2004, 60, 681-687.	1.7	3
50	On the termination of the Hawaiian Lee Countercurrent. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	27
51	Dynamically balanced absolute sea level of the global ocean derived from near-surface velocity observations. Geophysical Research Letters, 2003, 30, .	4.0	178
52	A dynamically consistent analysis of the mesoscale eddy field at the western North Pacific Subarctic Front. Journal of Geophysical Research, 2002, 107, 16-1-16-13.	3.3	6
53	Index and Composites of the Kuroshio Meander South of Japan. Journal of Oceanography, 2002, 58, 639-649.	1.7	8
54	Submesoscale anomalies in the North Pacific Subarctic Front. Journal of Geophysical Research, 1995, 100, 18459.	3.3	12