

Nikolai A Maximenko

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

6,227
citations

159585

30
h-index

189892

50
g-index

55
all docs

55
docs citations

55
times ranked

5878
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A global inventory of small floating plastic debris. <i>Environmental Research Letters</i> , 2015, 10, 124006. | 5.2 | 1,113 |
| 2 | Plastic Accumulation in the North Atlantic Subtropical Gyre. <i>Science</i> , 2010, 329, 1185-1188. | 12.6 | 1,024 |
| 3 | Pathways of marine debris derived from trajectories of Lagrangian drifters. <i>Marine Pollution Bulletin</i> , 2012, 65, 51-62. | 5.0 | 498 |
| 4 | Plastic pollution in the South Pacific subtropical gyre. <i>Marine Pollution Bulletin</i> , 2013, 68, 71-76. | 5.0 | 485 |
| 5 | The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , 2020, 15, 023003. | 5.2 | 469 |
| 6 | Mean Dynamic Topography of the Ocean Derived from Satellite and Drifting Buoy Data Using Three Different Techniques*. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1910-1919. | 1.3 | 233 |
| 7 | Observational evidence of alternating zonal jets in the world ocean. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a. | 4.0 | 213 |
| 8 | Dynamically balanced absolute sea level of the global ocean derived from near-surface velocity observations. <i>Geophysical Research Letters</i> , 2003, 30, . | 4.0 | 178 |
| 9 | Toward the Integrated Marine Debris Observing System. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 178 |
| 10 | Using Numerical Model Simulations to Improve the Understanding of Micro-plastic Distribution and Pathways in the Marine Environment. <i>Frontiers in Marine Science</i> , 2017, 4, . | 2.5 | 157 |
| 11 | Composition and potential origin of marine debris stranded in the Western Indian Ocean on remote Alphonse Island, Seychelles. <i>Marine Pollution Bulletin</i> , 2015, 96, 76-86. | 5.0 | 141 |
| 12 | Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363. | 2.6 | 119 |
| 13 | Stationary mesoscale jet-like features in the ocean. <i>Geophysical Research Letters</i> , 2008, 35, . | 4.0 | 115 |
| 14 | Tracking the sources and sinks of local marine debris in Hawaii. <i>Marine Environmental Research</i> , 2013, 84, 76-83. | 2.5 | 115 |
| 15 | Monitoring Ocean Currents with Satellite Sensors. <i>Oceanography</i> , 2010, 23, 94-103. | 1.0 | 98 |
| 16 | Measuring Marine Plastic Debris from Space: Initial Assessment of Observation Requirements. <i>Remote Sensing</i> , 2019, 11, 2443. | 4.0 | 97 |
| 17 | A Plasticene Lexicon. <i>Marine Pollution Bulletin</i> , 2020, 150, 110714. | 5.0 | 69 |
| 18 | Numerical simulations of debris drift from the Great Japan Tsunami of 2011 and their verification with observational reports. <i>Marine Pollution Bulletin</i> , 2018, 132, 5-25. | 5.0 | 67 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Observational evidence for propagation of decadal spiciness anomalies in the North Pacific. <i>Geophysical Research Letters</i> , 2010, 37, . | 4.0 | 66 |
| 20 | The influx of marine debris from the Great Japan Tsunami of 2011 to North American shorelines. <i>Marine Pollution Bulletin</i> , 2018, 132, 26-32. | 5.0 | 64 |
| 21 | Optimum interpolation analysis of <scp>A</scp>quarius sea surface salinity. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 602-616. | 2.6 | 58 |
| 22 | Evaluating Where and Why Drifters Die*. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 300-308. | 1.3 | 55 |
| 23 | Coherent mesoscale eddies in the <scp>N</scp>orth <scp>A</scp>tantic subtropical gyre: 3â€D structure and transport with application to the salinity maximum. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 23-41. | 2.6 | 51 |
| 24 | Global in situ Observations of Essential Climate and Ocean Variables at the Airâ€œSea Interface. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 49 |
| 25 | Biological and physical forcings of late summer chlorophyll blooms at 30Â°N in the oligotrophic Pacific. <i>Journal of Marine Systems</i> , 2008, 69, 164-176. | 2.1 | 44 |
| 26 | Signature of mesoscale eddies in satellite sea surface salinity data. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1416-1424. | 2.6 | 44 |
| 27 | SEASTAR: A Mission to Study Ocean Submesoscale Dynamics and Small-Scale Atmosphere-Ocean Processes in Coastal, Shelf and Polar Seas. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 37 |
| 28 | The degree of anisotropy for midâ€œocean currents from satellite observations and an eddyâ€œpermitting model simulation. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 36 |
| 29 | Spatial Optimal Interpolation of Aquarius Sea Surface Salinity: Algorithms and Implementation in the North Atlantic*. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 1583-1600. | 1.3 | 34 |
| 30 | Emergence of a neipelagic community through the establishment of coastal species on the high seas. <i>Nature Communications</i> , 2021, 12, 6885. | 12.8 | 32 |
| 31 | Analysis of flight MH370 potential debris trajectories using ocean observations and numerical model results. <i>Journal of Operational Oceanography</i> , 2016, 9, 126-138. | 1.2 | 31 |
| 32 | On the termination of the Hawaiian Lee Countercurrent. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a. | 4.0 | 27 |
| 33 | Quasi-stationary striations in basin-scale oceanic circulation: vorticity balance from observations and eddy-resolving model. <i>Ocean Dynamics</i> , 2010, 60, 653-666. | 2.2 | 27 |
| 34 | Ocean thermal advective effect on the annual range of sea surface temperature. <i>Geophysical Research Letters</i> , 2005, 32, . | 4.0 | 23 |
| 35 | Ocean Surface Circulation. <i>International Geophysics</i> , 2013, , 283-304. | 0.6 | 23 |
| 36 | On the shape of sea level anomaly signal on periphery of mesoscale ocean eddies. <i>Geophysical Research Letters</i> , 2017, 44, 6926-6932. | 4.0 | 20 |

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|----|--|-----|-----------|
| 37 | A new ocean mean dynamic topography model, derived from a combination of gravity, altimetry and drifter velocity data. <i>Advances in Space Research</i> , 2021, 68, 1090-1102. | 2.6 | 18 |
| 38 | Evidence of time-averaged mean cyclonic cell southwest of Iberian Peninsula: The Mediterranean Outflow-driven <i>I ² </i>-plume?. <i>Geophysical Research Letters</i> , 2010, 37, . | 4.0 | 15 |
| 39 | Mechanisms for the emergence of ocean striations in the North Pacific. <i>Geophysical Research Letters</i> , 2014, 41, 948-953. | 4.0 | 15 |
| 40 | Striations and preferred eddy tracks triggered by topographic steering of the background flow in the eastern <sc>S</sc>outh <sc>P</sc>acific. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2847-2870. | 2.6 | 15 |
| 41 | Linear Wind-Forced Beta Plumes with Application to the Hawaiian Lee Countercurrent*. <i>Journal of Physical Oceanography</i> , 2013, 43, 2071-2094. | 1.7 | 14 |
| 42 | Submesoscale anomalies in the North Pacific Subarctic Front. <i>Journal of Geophysical Research</i> , 1995, 100, 18459. | 3.3 | 12 |
| 43 | Index and Composites of the Kuroshio Meander South of Japan. <i>Journal of Oceanography</i> , 2002, 58, 639-649. | 1.7 | 8 |
| 44 | Satellite estimate of freshwater exchange between the Indonesian Seas and the Indian Ocean via the Sunda Strait. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5098-5111. | 2.6 | 8 |
| 45 | Plastic Pollution in the South Pacific Subtropical Gyre. <i>Plastics Engineering</i> , 2013, 69, 38-44. | 0.0 | 7 |
| 46 | A dynamically consistent analysis of the mesoscale eddy field at the western North Pacific Subarctic Front. <i>Journal of Geophysical Research</i> , 2002, 107, 16-1-16-13. | 3.3 | 6 |
| 47 | Environmental applications of remote sensing. , 2021, , 107-163. | | 5 |
| 48 | Remote sensing of marine debris. , 2016, , . | | 4 |
| 49 | Correspondence between Lagrangian and Eulerian Velocity Statistics at the ASUKA Line. <i>Journal of Oceanography</i> , 2004, 60, 681-687. | 1.7 | 3 |
| 50 | Understanding sources, sinks, and transport of marine debris. <i>Eos</i> , 2011, 92, 235-235. | 0.1 | 3 |
| 51 | The Future of Oceanography from Space: Introduction to the Special Issue. <i>Oceanography</i> , 2010, 23, 12-13. | 1.0 | 1 |
| 52 | A Tribute to Peter Niiler. <i>Oceanography</i> , 2010, 23, 5-5. | 1.0 | 1 |
| 53 | Modeling the drift of Japan Tsunami Marine Debris (JTMD): An application of high computing simulation and data assimilation. , 2016, , . | | 1 |
| 54 | Similarities and Contrasts in Time-Mean Striated Surface Tracers in Pacific Eastern Boundary Upwelling Systems: The Role of Ocean Currents in Their Generation. <i>Fluids</i> , 2021, 6, 455. | 1.7 | 0 |