Alexey Mishonov

List of Publications by Year
in descending order

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35 papers	2,608 citations	393982 19 h-index	454577 30 g-index
42 all docs	42 docs citations	42 times ranked	3865 citing authors

#	Article	IF	Citations
1	World ocean heat content and thermosteric sea level change (0â€“2000Âm), 1955â€“2010. Geophysical Research Letters, 2012, 39, .	1.5	751
2	Global ocean heat content 1955â€“2008 in light of recently revealed instrumentation problems. Geophysical Research Letters, 2009, 36, .	1.5	558
3	Global POC concentrations from in-situ and satellite data. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 718-740.	0.6	169
4	Ecological anomalies in the East China Sea: Impacts of the Three Gorges Dam?. Water Research, 2007, 41, 1287-1293.	5.3	138
5	Determining true particulate organic carbon: bottles, pumps and methodologies. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 655-674.	0.6	107
6	The World Ocean Database. Data Science Journal, 2013, 12, WDS229-WDS234.	0.6	105
7	Upper Ocean Temperatures Hit Record High in 2020. Advances in Atmospheric Sciences, 2021, 38, 523-530.	1.9	99
8	Multispectral remote-sensing algorithms for particulate organic carbon (POC): The Gulf of Mexico. Remote Sensing of Environment, 2009, 113, 50-61.	4.6	71
9	Global assessment of benthic nepheloid layers and linkage with upper ocean dynamics. Earth and Planetary Science Letters, 2018, 482, 126-134.	1.8	68
10	Remote sensing and surface POC concentration in the South Atlantic. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2997-3015.	0.6	61
11	Changes in freshwater content in the North Atlantic Ocean 1955â€“2006. Geophysical Research Letters, 2007, 34, .	1.5	50
12	Another Record: Ocean Warming Continues through 2021 despite La NiÃ±a Conditions. Advances in Atmospheric Sciences, 2022, 39, 373-385.	1.9	47
13	Global comparison of benthic nepheloid layers based on 52â€¯years of nephelometer and transmissometer measurements. Progress in Oceanography, 2018, 168, 100-111.	1.5	46
14	Particle dynamics in the Eastern Mediterranean Sea: A synthesis based on light transmission, PMC, and POC archives (1991â€“2001). Deep-Sea Research Part I: Oceanographic Research Papers, 2008, 55, 177-202.	0.6	43
15	Plankton communities of the South Atlantic anticyclonic gyre. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2003, 26, 255-268.	0.7	37
16	Oceanography north of 60Â°N from World Ocean Database. Progress in Oceanography, 2015, 132, 153-173.	1.5	37
17	Recent warming and decadal variability of Gulf of Maine and Slope Water. Limnology and Oceanography, 2021, 66, 3472-3488.	1.6	34
18	Variability of phytoplankton and mesozooplankton biomass in the subtropical and tropical Atlantic Ocean. Marine Ecology - Progress Series, 2003, 250, 125-144.	0.9	26

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19	Multidecadal variability and climate shift in the North Atlantic Ocean. Geophysical Research Letters, 2017, 44, 4985-4993.	1.5	23
20	Resilience of the Gulf Stream path on decadal and longer timescales. Scientific Reports, 2019, 9, 11549.	1.6	21
21	A comparison of hydrographically and optically derived mixed layer depths. Journal of Geophysical Research, 2005, 110, .	3.3	19
22	AWESOME OCIM: A simple, flexible, and powerful tool for modeling elemental cycling in the oceans. Chemical Geology, 2020, 533, 119403.	1.4	15
23	Decadal Comparisons of Particulate Matter in Repeat Transects in the Atlantic, Pacific, and Indian Ocean Basins. Geophysical Research Letters, 2018, 45, 277-286.	1.5	14
24	Model-based remote sensing algorithms for particulate organic carbon (POC) in the Northeastern Gulf of Mexico. Journal of Earth System Science, 2009, 118, 1-10.	0.6	11
25	2013 World Ocean Atlas Aids High-Resolution Climate Studies. Eos, 2014, 95, 369-370.	0.1	11
26	Eddyâ€Resolving In Situ Ocean Climatologies of Temperature and Salinity in the Northwest Atlantic Ocean. Journal of Geophysical Research: Oceans, 2019, 124, 41-58.	1.0	10
27	Seasonal and Long-Term Variability of the Black Sea Optical Parameters. , 1997, , 33-48.		10
28	Regional Climatology of the Northwest Atlantic Ocean: High-Resolution Mapping of Ocean Structure and Change. Bulletin of the American Meteorological Society, 2018, 99, 2129-2138.	1.7	8
29	Distribution, Sources, and Dynamics of Particulate Matter Along Transâ€Arctic Sections. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	7
30	A model study of the relative influences of scavenging and circulation on 230Th and 231Pa in the western North Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 155, 103159.	0.6	6
31	Title is missing!. Physical Oceanography, 2003, 13, 14-26.	0.4	2
32	Incorporating Discrete Unmanned Maritime System Data Collections Into NCEI Synthesized Data Products. , 2020, , .		2
33	<title>Optical parameters of the Black Sea waters: long term variability and present status</title>. , 1997, , .		1
34	Optical Studies by the MHI of the Eastern Mediterranean: Available Data and Some Results. , 1999, , 127-139.		1
35	Reconstruction of the spectrum of the radiance coefficient from measurements at fixed wavelengths. Physical Oceanography, 1994, 5, 119-124.	0.4	0