

Atsushi Matsuoka

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,750
citations

471509

17
h-index

610901

24
g-index

35
all docs

35
docs citations

35
times ranked

2400
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of JAXA's SGLI standard ocean color products for oceanic to coastal waters: chlorophyll a concentration and light absorption coefficients of colored dissolved organic matter. <i>Journal of Oceanography</i> , 2022, 78, 187-208.	1.7	6
2	Merging Satellite and in situ Data to Assess the Flux of Terrestrial Dissolved Organic Carbon From the Mackenzie River to the Coastal Beaufort Sea. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	4
3	Terrestrial Dissolved Organic Matter Mobilized From Eroding Permafrost Controls Microbial Community Composition and Growth in Arctic Coastal Zones. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	10
4	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. <i>Earth System Science Data</i> , 2021, 13, 1561-1592.	9.9	11
5	Spectral modes of radiometric measurements in optically complex waters. <i>Continental Shelf Research</i> , 2021, 219, 104357.	1.8	9
6	A global end-member approach to derive $\text{CDOM}_{(440)}$ from near-surface optical measurements. <i>Biogeosciences</i> , 2020, 17, 475-497.	3.3	17
7	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. <i>Earth System Science Data</i> , 2020, 12, 151-176.	9.9	32
8	Dissolved organic matter at the fluvial-marine transition in the Laptev Sea using in situ data and ocean colour remote sensing. <i>Biogeosciences</i> , 2019, 16, 2693-2713.	3.3	39
9	Developing a New Machine-Learning Algorithm for Estimating Chlorophyll-a Concentration in Optically Complex Waters: A Case Study for High Northern Latitude Waters by Using Sentinel 3 OLCI. <i>Remote Sensing</i> , 2019, 11, 2076.	4.0	14
10	Towards an assessment of riverine dissolved organic carbon in surface waters of the western Arctic Ocean based on remote sensing and biogeochemical modeling. <i>Biogeosciences</i> , 2018, 15, 1335-1346.	3.3	17
11	Pan-Arctic optical characteristics of colored dissolved organic matter: Tracing dissolved organic carbon in changing Arctic waters using satellite ocean color data. <i>Remote Sensing of Environment</i> , 2017, 200, 89-101.	11.0	39
12	A new algorithm for discriminating water sources from space: A case study for the southern Beaufort Sea using MODIS ocean color and SMOS salinity data. <i>Remote Sensing of Environment</i> , 2016, 184, 124-138.	11.0	29
13	Pigment signatures of phytoplankton communities in the Beaufort Sea. <i>Biogeosciences</i> , 2015, 12, 991-1006.	3.3	61
14	Characteristics of colored dissolved organic matter (CDOM) in the Western Arctic Ocean: Relationships with microbial activities. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 44-52.	1.4	34
15	Oceanographic structure drives the assembly processes of microbial eukaryotic communities. <i>ISME Journal</i> , 2015, 9, 990-1002.	9.8	115
16	A synthesis of light absorption properties of the Arctic Ocean: application to semianalytical estimates of dissolved organic carbon concentrations from space. <i>Biogeosciences</i> , 2014, 11, 3131-3147.	3.3	29
17	Phytoplankton blooms beneath the sea ice in the Chukchi sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 105, 1-16.	1.4	187
18	Parameterization of vertical chlorophyll $\text{CDOM}_{(440)}$ in the Arctic Ocean: impact of the subsurface chlorophyll maximum on regional, seasonal, and annual primary production estimates. <i>Biogeosciences</i> , 2013, 10, 4383-4404.	3.3	156

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19	Apparent optical properties of the Canadian Beaufort Sea “ Part 1: Observational overview and water column relationships. Biogeosciences, 2013, 10, 4493-4509.	3.3	33
20	Light absorption and partitioning in Arctic Ocean surface waters: impact of multiyear ice melting. Biogeosciences, 2013, 10, 6433-6452.	3.3	39
21	Estimating absorption coefficients of colored dissolved organic matter (CDOM) using a semi-analytical algorithm for southern Beaufort Sea waters: application to deriving concentrations of dissolved organic carbon from space. Biogeosciences, 2013, 10, 917-927.	3.3	68
22	UV/PAR radiation and DOM properties in surface coastal waters of the Canadian shelf of the Beaufort Sea during summer 2009. Biogeosciences, 2013, 10, 2761-2774.	3.3	26
23	Massive Phytoplankton Blooms Under Arctic Sea Ice. Science, 2012, 336, 1408-1408.	12.6	606
24	Seasonal variability in the light absorption properties of western Arctic waters: Parameterization of the individual components of absorption for ocean color applications. Journal of Geophysical Research, 2011, 116, .	3.3	127