

# Atsushi Matsuoka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5424173/publications.pdf>

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	Massive Phytoplankton Blooms Under Arctic Sea Ice. <i>Science</i> , 2012, 336, 1408-1408.	12.6	606
2	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
3	Parameterization of vertical chlorophyll &lt;i>a</i> 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
4	Seasonal variability in the light absorption properties of western Arctic waters: Parameterization of the individual components of absorption for ocean color applications. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	127
5	Oceanographic structure drives the assembly processes of microbial eukaryotic communities. <i>ISME Journal</i> , 2015, 9, 990-1002.	9.8	115
6	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. <i>Biogeosciences</i> , 2013, 10, 917-927.	3.3	68
7	Pigment signatures of phytoplankton communities in the Beaufort Sea. <i>Biogeosciences</i> , 2015, 12, 991-1006.	3.3	61
8	Light absorption and partitioning in Arctic Ocean surface waters: impact of multiyear ice melting. <i>Biogeosciences</i> , 2013, 10, 6433-6452.	3.3	39
9	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
10	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
11	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
12	Apparent optical properties of the Canadian Beaufort Sea - Part 1: Observational overview and water column relationships. <i>Biogeosciences</i> , 2013, 10, 4493-4509.	3.3	33
13	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
14	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
15	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
16	UV/PAR radiation and DOM properties in surface coastal waters of the Canadian shelf of the Beaufort Sea during summer 2009. <i>Biogeosciences</i> , 2013, 10, 2761-2774.	3.3	26
17	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
18	A global end-member approach to derive &lt;math>a_{CDOM(440)}</math> from near-surface optical measurements. <i>Biogeosciences</i> , 2020, 17, 475-497.	3.3	17

#	ARTICLE	IF	CITATIONS
19	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. Remote Sensing, 2019, 11, 2076.	4.0	14
20	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. Earth System Science Data, 2021, 13, 1561-1592.	9.9	11
21	Terrestrial Dissolved Organic Matter Mobilized From Eroding Permafrost Controls Microbial Community Composition and Growth in Arctic Coastal Zones. Frontiers in Earth Science, 2021, 9, .	1.8	10
22	Spectral modes of radiometric measurements in optically complex waters. Continental Shelf Research, 2021, 219, 104357.	1.8	9
23	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. Journal of Oceanography, 2022, 78, 187-208.	1.7	6
24	Merging Satellite and in situ Data to Assess the Flux of Terrestrial Dissolved Organic Carbon From the Mackenzie River to the Coastal Beaufort Sea. Frontiers in Earth Science, 2022, 10, .	1.8	4