

# Satoshi Kimura

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5089101/publications.pdf>

Version: 2024-02-01

20  
papers

570  
citations

567281

15  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Meltwater Plumes on the Melting of a Vertical Glacier Face. <i>Journal of Physical Oceanography</i> , 2014, 44, 3099-3117.	1.7	62
2	Channelized Melting Drives Thinning Under a Rapidly Melting Antarctic Ice Shelf. <i>Geophysical Research Letters</i> , 2017, 44, 9796-9804.	4.0	61
3	Estimation of Ice Shelf Melt Rate in the Presence of a Thermohaline Staircase. <i>Journal of Physical Oceanography</i> , 2015, 45, 133-148.	1.7	54
4	Comparative tRNA sequencing and RNA mass spectrometry for surveying tRNA modifications. <i>Nature Chemical Biology</i> , 2020, 16, 964-972.	8.0	54
5	Vigorous lateral export of the meltwater outflow from beneath an Antarctic ice shelf. <i>Nature</i> , 2017, 542, 219-222.	27.8	50
6	Oceanographic Controls on the Variability of Ice Shelf Basal Melting and Circulation of Glacial Meltwater in the Amundsen Sea Embayment, Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 10131-10155.	2.6	49
7	Instability and Diapycnal Momentum Transport in a Double-Diffusive, Stratified Shear Layer. <i>Journal of Physical Oceanography</i> , 2007, 37, 1551-1565.	1.7	30
8	Direct numerical simulation of salt sheets and turbulence in a double-diffusive shear layer. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	30
9	Wind-Driven Processes Controlling Oceanic Heat Delivery to the Amundsen Sea, Antarctica. <i>Journal of Physical Oceanography</i> , 2019, 49, 2829-2849.	1.7	28
10	Ocean mixing beneath Pine Island Glacier ice shelf, West Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8496-8510.	2.6	23
11	Control of the Oceanic Heat Content of the Getz-Dotson Trough, Antarctica, by the Amundsen Sea Low. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016113.	2.6	23
12	Turbulence in a Sheared, Salt-Fingering-Favorable Environment: Anisotropy and Effective Diffusivities. <i>Journal of Physical Oceanography</i> , 2011, 41, 1144-1159.	1.7	21
13	Adaptation of an unstructured-mesh, finite-element ocean model to the simulation of ocean circulation beneath ice shelves. <i>Ocean Modelling</i> , 2013, 67, 39-51.	2.4	21
14	The Impact of the Amundsen Sea Freshwater Balance on Ocean Melting of the West Antarctic Ice Sheet. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016305.	2.6	20
15	Modeling ice-ocean interaction in ice shelf crevasses. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 995-1008.	2.6	17
16	On the Conditional Frazil Ice Instability in Seawater. <i>Journal of Physical Oceanography</i> , 2015, 45, 1121-1138.	1.7	12
17	The Warming of the Chukchi Slope Through the Barrow Canyon Outflow in the 2016-2017 Winter. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7437-7456.	2.6	4
18	Nucleobase derivatives induce in-source decay of oligonucleotides as new matrix-assisted laser desorption/ionization matrices. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8620.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Distinct evolutionary pathways for the synthesis and function of tRNA modifications. Briefings in Functional Genomics, 2021, 20, 125-134.	2.7	4
20	Effect of oligonucleotide structural difference on matrix-assisted laser desorption/ionization in-source decay in comparison with collision-induced dissociation fragmentation. Rapid Communications in Mass Spectrometry, 2020, 34, e8819.	1.5	0