

Hiroyasu Hasumi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4773299/publications.pdf>

Version: 2024-02-01

25
papers

916
citations

516710

16
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1484
citing authors

#	ARTICLE	IF	CITATIONS
1	Developments in ocean climate modelling. <i>Ocean Modelling</i> , 2000, 2, 123-192.	2.4	315
2	The Atlantic Meridional Overturning Circulation in High-Resolution Models. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015522.	2.6	75
3	Modeling Antarctic ice shelf responses to future climate changes and impacts on the ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2454-2475.	2.6	66
4	Modeling sea ice production and dense shelf water formation in coastal polynyas around East Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	45
5	Pathways of basal meltwater from Antarctic ice shelves: A model study. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5690-5704.	2.6	38
6	Study on vertical profiles of rare earth elements by using an ocean general circulation model. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	37
7	Evaluating effect of ballast mineral on deep-ocean nutrient concentration by using an ocean general circulation model. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	33
8	The inflow of Atlantic water at the Fram Strait and its interannual variability. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 502-519.	2.6	33
9	Impact of deep ocean mixing on the climatic mean state in the Southern Ocean. <i>Scientific Reports</i> , 2018, 8, 14479.	3.3	32
10	A non-hydrostatic ocean model with a scalable multigrid Poisson solver. <i>Ocean Modelling</i> , 2008, 24, 15-28.	2.4	30
11	Progress of North Pacific modeling over the past decade. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 1188-1200.	1.4	25
12	Dense shelf water spreading from Antarctic coastal polynyas to the deep Southern Ocean: A regional circumpolar model study. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6238-6253.	2.6	25
13	Formation mechanism of the Pacific equatorial thermocline revealed by a general circulation model with a high accuracy tracer advection scheme. <i>Ocean Modelling</i> , 2010, 35, 245-252.	2.4	21
14	An ocean-sea ice model study of the unprecedented Antarctic sea ice minimum in 2016. <i>Environmental Research Letters</i> , 2018, 13, 084020.	5.2	20
15	Modeling the global cycle of marine dissolved organic matter and its influence on marine productivity. <i>Ecological Modelling</i> , 2014, 288, 9-24.	2.5	19
16	Dense shelf water formation and brine-driven circulation in the Adlie and George V Land region. <i>Ocean Modelling</i> , 2011, 37, 122-138.	2.4	18
17	Modelling the Antarctic marine cryosphere at the Last Glacial Maximum. <i>Annals of Glaciology</i> , 2015, 56, 425-435.	1.4	16
18	Roles of wind stress and thermodynamic forcing in recent trends in Antarctic sea ice and Southern Ocean SST: An ocean-sea ice model study. <i>Global and Planetary Change</i> , 2017, 158, 103-118.	3.5	16

#	ARTICLE	IF	CITATIONS
19	A remote effect of geothermal heat on the global thermohaline circulation. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	14
20	Spatiotemporal dependence of Antarctic sea ice variability to dynamic and thermodynamic forcing: a coupled ocean–sea ice model study. <i>Climate Dynamics</i> , 2019, 52, 3791-3807.	3.8	14
21	Response of Eurasian Temperature to Barents–Kara Sea Ice: Evaluation by Multi-Model Seasonal Predictions. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
22	Arctic Warming and Associated Sea Ice Reduction in the Early 20th Century Induced by Natural Forcings in MRI–ESM2.0 Climate Simulations and Multimodel Analyses. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092336.	4.0	5
23	Biogeochemical impacts of flooding discharge with high suspended sediment on coastal seas: a modeling study for a microtidal open bay. <i>Scientific Reports</i> , 2021, 11, 21322.	3.3	5
24	A simulation study on effects of suspended sediment through high riverine discharge on surface river plume and vertical water exchange. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 228, 106352.	2.1	4
25	Achievements in ArCS theme 5: Study on Arctic climate predictability. <i>Polar Science</i> , 2021, 27, 100564.	1.2	1