Hiroyasu Hasumi

List of Publications by Year
in descending order

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Version: 2024-02-01

25	916	516710 16	580821 25
papers	citations	h-index	g-index

25	25	25	1484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Response of Eurasian Temperature to Barentsâ€“Kara Sea Ice: Evaluation by Multiâ€Model Seasonal Predictions. Geophysical Research Letters, 2022, 49, .	4.0	9
2	Achievements in ArCS theme 5: Study on Arctic climate predictability. Polar Science, 2021, 27, 100564.	1.2	1
3	Arctic Warming and Associated Sea Ice Reduction in the Early 20th Century Induced by Natural Forcings in MRIâ€ESM2.0 Climate Simulations and Multimodel Analyses. Geophysical Research Letters, 2021, 48, e2020GL092336.	4.0	5
4	Biogeochemical impacts of flooding discharge with high suspended sediment on coastal seas: a modeling study for a microtidal open bay. Scientific Reports, 2021, 11, 21322.	3.3	5
5	The Atlantic Meridional Overturning Circulation in Highâ€Resolution Models. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015522.	2.6	75
6	A simulation study on effects of suspended sediment through high riverine discharge on surface river plume and vertical water exchange. Estuarine, Coastal and Shelf Science, 2019, 228, 106352.	2.1	4
7	Spatiotemporal dependence of Antarctic sea ice variability to dynamic and thermodynamic forcing: a coupled oceanâ€“sea ice model study. Climate Dynamics, 2019, 52, 3791-3807.	3.8	14
8	An ocean-sea ice model study of the unprecedented Antarctic sea ice minimum in 2016. Environmental Research Letters, 2018, 13, 084020.	5.2	20
9	Impact of deep ocean mixing on the climatic mean state in the Southern Ocean. Scientific Reports, 2018, 8, 14479.	3.3	32
10	Roles of wind stress and thermodynamic forcing in recent trends in Antarctic sea ice and Southern Ocean SST: An ocean-sea ice model study. Global and Planetary Change, 2017, 158, 103-118.	3.5	16
11	Dense shelf water spreading from <scp>A</scp>ntarctic coastal polynyas to the deep <scp>S</scp>outhern <scp>O</scp>cean: A regional circumpolar model study. Journal of Geophysical Research: Oceans, 2017, 122, 6238-6253.	2.6	25
12	The inflow of <scp>A</scp>tlantic water at the <scp>F</scp>ram <scp>S</scp>trait and its interannual variability. Journal of Geophysical Research: Oceans, 2016, 121, 502-519.	2.6	33
13	Modelling the Antarctic marine cryosphere at the Last Glacial Maximum. Annals of Glaciology, 2015, 56, 425-435.	1.4	16
14	Pathways of basal meltwater from Antarctic ice shelves: A model study. Journal of Geophysical Research: Oceans, 2014, 119, 5690-5704.	2.6	38
15	Modeling the global cycle of marine dissolved organic matter and its influence on marine productivity. Ecological Modelling, 2014, 288, 9-24.	2.5	19
16	Modeling Antarctic ice shelf responses to future climate changes and impacts on the ocean. Journal of Geophysical Research: Oceans, 2013, 118, 2454-2475.	2.6	66
17	Dense shelf water formation and brine-driven circulation in the AdÃ©lie and George V Land region. Ocean Modelling, 2011, 37, 122-138.	2.4	18
18	Modeling sea ice production and dense shelf water formation in coastal polynyas around East Antarctica. Journal of Geophysical Research, 2010, 115, .	3.3	45

#	Article	IF	Citations
19	Progress of North Pacific modeling over the past decade. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1188-1200.	1.4	25
20	Formation mechanism of the Pacific equatorial thermocline revealed by a general circulation model with a high accuracy tracer advection scheme. Ocean Modelling, 2010, 35, 245-252.	2.4	21
21	Study on vertical profiles of rare earth elements by using an ocean general circulation model. Global Biogeochemical Cycles, 2009, 23, .	4.9	37
22	A remote effect of geothermal heat on the global thermohaline circulation. Journal of Geophysical Research, 2009, 114, .	3.3	14
23	Evaluating effect of ballast mineral on deepâ€ocean nutrient concentration by using an ocean general circulation model. Global Biogeochemical Cycles, 2008, 22, .	4.9	33
24	A non-hydrostatic ocean model with a scalable multigrid Poisson solver. Ocean Modelling, 2008, 24, 15-28.	2.4	30
25	Developments in ocean climate modelling. Ocean Modelling, 2000, 2, 123-192.	2.4	315