

Malte MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,308
citations

394421

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501196

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39
all docs

39
docs citations

39
times ranked

1737
citing authors

#	ARTICLE	IF	CITATIONS
1	OpenMetBuoy-v2021: An Easy-to-Build, Affordable, Customizable, Open-Source Instrument for Oceanographic Measurements of Drift and Waves in Sea Ice and the Open Ocean. <i>Geosciences (Switzerland)</i> , 2022, 12, 110.	2.2	17
2	Decline of sea-ice in the Greenland Sea intensifies extreme precipitation over Svalbard. <i>Weather and Climate Extremes</i> , 2022, 36, 100437.	4.1	7
3	Coproducing Sea Ice Predictions with Stakeholders Using Simulation. <i>Weather, Climate, and Society</i> , 2022, 14, 399-413.	1.1	2
4	Wave measurements from ship mounted sensors in the Arctic marginal ice zone. <i>Cold Regions Science and Technology</i> , 2021, 182, 103207.	3.5	6
5	Calibration of sea ice drift forecasts using random forest algorithms. <i>Cryosphere</i> , 2021, 15, 3989-4004.	3.9	8
6	Long-Term Earth-Moon Evolution With High-Level Orbit and Ocean Tide Models. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006875.	3.6	28
7	Using UNSEEN trends to detect decadal changes in 100-year precipitation extremes. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	6.8	40
8	The role of spatial and temporal model resolution in a flood event storyline approach in western Norway. <i>Weather and Climate Extremes</i> , 2020, 29, 100259.	4.1	30
9	SMART Cables for Observing the Global Ocean: Science and Implementation. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	73
10	On the warm bias in atmospheric reanalyses induced by the missing snow over Arctic sea-ice. <i>Nature Communications</i> , 2019, 10, 4170.	12.8	58
11	A novel approach to computing super observations for probabilistic wave model validation. <i>Ocean Modelling</i> , 2019, 139, 101404.	2.4	6
12	Characteristics of a Convective-Scale Weather Forecasting System for the European Arctic. <i>Monthly Weather Review</i> , 2017, 145, 4771-4787.	1.4	49
13	The K 1 internal tide simulated by a 1/10° OGCM. <i>Ocean Modelling</i> , 2017, 113, 145-156.	2.4	10
14	Toward an internal gravity wave spectrum in global ocean models. <i>Geophysical Research Letters</i> , 2015, 42, 3474-3481.	4.0	33
15	Tidal forcing, energetics, and mixing near the Yermak Plateau. <i>Ocean Science</i> , 2015, 11, 287-304.	3.4	39
16	The M2 Internal Tide Simulated by a 1/10° OGCM. <i>Journal of Physical Oceanography</i> , 2015, 45, 3119-3135.	1.7	30
17	Accuracy assessment of global barotropic ocean tide models. <i>Reviews of Geophysics</i> , 2014, 52, 243-282.	23.0	338
18	Seasonal variation of the M 2 tide. <i>Ocean Dynamics</i> , 2014, 64, 159-177.	2.2	88

#	ARTICLE	IF	CITATIONS
19	Geostrophic Turbulence in the Frequency-Wavenumber Domain: Eddy-Driven Low-Frequency Variability*. Journal of Physical Oceanography, 2014, 44, 2050-2069.	1.7	70
20	Seasonal variability in M_2 and M_4 tidal constituents and its implications for the coastal residual sediment transport. Geophysical Research Letters, 2014, 41, 5563-5570.	4.0	54
21	On the space- and time-dependence of barotropic-to-baroclinic tidal energy conversion. Ocean Modelling, 2013, 72, 242-252.	2.4	37
22	On the Resonance and Shelf/Open-Ocean Coupling of the Global Diurnal Tides. Journal of Physical Oceanography, 2013, 43, 1301-1324.	1.7	12
23	Global M_2 internal tide and its seasonal variability from high resolution ocean circulation and tide modeling. Geophysical Research Letters, 2012, 39, .	4.0	90
24	The influence of changing stratification conditions on barotropic tidal transport and its implications for seasonal and secular changes of tides. Continental Shelf Research, 2012, 47, 107-118.	1.8	73
25	The effect of ocean tides on a climate model simulation. Ocean Modelling, 2010, 35, 304-313.	2.4	47
26	Synthesis of forced oscillations, Part I: Tidal dynamics and the influence of the loading and self-attraction effect. Ocean Modelling, 2008, 20, 207-222.	2.4	21
27	The free oscillations of the world ocean in the period range 8 to 165 hours including the full loading effect. Geophysical Research Letters, 2007, 34, .	4.0	23
28	The computation of the free barotropic oscillations of a global ocean model including friction and loading effects. Ocean Dynamics, 2005, 55, 137-161.	2.2	16