

Jessica A Benthuisen

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

5,823
citations

279798

23
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

4339
citing authors

#	ARTICLE	IF	CITATIONS
1	A hierarchical approach to defining marine heatwaves. <i>Progress in Oceanography</i> , 2016, 141, 227-238.	3.2	1,081
2	Longer and more frequent marine heatwaves over the past century. <i>Nature Communications</i> , 2018, 9, 1324.	12.8	1,081
3	Marine heatwaves threaten global biodiversity and the provision of ecosystem services. <i>Nature Climate Change</i> , 2019, 9, 306-312.	18.8	883
4	The unprecedented 2015/16 Tasman Sea marine heatwave. <i>Nature Communications</i> , 2017, 8, 16101.	12.8	374
5	Categorizing and Naming Marine Heatwaves. <i>Oceanography</i> , 2018, 31, .	1.0	368
6	A global assessment of marine heatwaves and their drivers. <i>Nature Communications</i> , 2019, 10, 2624.	12.8	337
7	Projected Marine Heatwaves in the 21st Century and the Potential for Ecological Impact. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	300
8	Marine Heatwaves. <i>Annual Review of Marine Science</i> , 2021, 13, 313-342.	11.6	254
9	Keeping pace with marine heatwaves. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 482-493.	29.7	175
10	Drivers and impacts of the most extreme marine heatwave events. <i>Scientific Reports</i> , 2020, 10, 19359.	3.3	155
11	Extreme Marine Warming Across Tropical Australia During Austral Summer 2015â€“2016. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1301-1326.	2.6	111
12	Spatial patterns of warming off Western Australia during the 2011 Ningaloo NiÃ±o: Quantifying impacts of remote and local forcing. <i>Continental Shelf Research</i> , 2014, 91, 232-246.	1.8	103
13	Coral reef metabolism and carbon chemistry dynamics of a coral reef flat. <i>Geophysical Research Letters</i> , 2015, 42, 3980-3988.	4.0	72
14	Freshening anomalies in the Indonesian throughflow and impacts on the Leeuwin Current during 2010-2011. <i>Geophysical Research Letters</i> , 2015, 42, 8555-8562.	4.0	60
15	A fine spatial-scale sea surface temperature atlas of the Australian regional seas (SSTAARS): Seasonal variability and trends around Australasia and New Zealand revisited. <i>Journal of Marine Systems</i> , 2018, 187, 156-196.	2.1	57
16	Progress in understanding of Indian Ocean circulation, variability, airâ€“sea exchange, and impacts on biogeochemistry. <i>Ocean Science</i> , 2021, 17, 1677-1751.	3.4	43
17	Dynamics of the Leeuwin Current: Part 1. Coastal flows in an inviscid, variable-density, layer model. <i>Dynamics of Atmospheres and Oceans</i> , 2013, 63, 24-59.	1.8	42
18	Topographic Beta Spiral and Onshore Intrusion of the Kuroshio Current. <i>Geophysical Research Letters</i> , 2018, 45, 287-296.	4.0	40

#	ARTICLE	IF	CITATIONS
19	Friction and Diapycnal Mixing at a Slope: Boundary Control of Potential Vorticity. <i>Journal of Physical Oceanography</i> , 2012, 42, 1509-1523.	1.7	36
20	Editorial: Advances in Understanding Marine Heatwaves and Their Impacts. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	36
21	Marine cold-spells. <i>Progress in Oceanography</i> , 2021, 198, 102684.	3.2	35
22	Key Dynamical Factors Driving the Kuroshio Subsurface Water to Reach the Zhejiang Coastal Area. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 9061-9081.	2.6	31
23	Dynamics of the Leeuwin Current: Part 2. Impacts of mixing, friction, and advection on a buoyancy-driven eastern boundary current over a shelf. <i>Dynamics of Atmospheres and Oceans</i> , 2014, 65, 39-63.	1.8	27
24	Intrusive upwelling in the Central Great Barrier Reef. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8395-8416.	2.6	25
25	Environmental drivers of growth in massive <i>Porites</i> corals over 16 degrees of latitude along Australia's northwest shelf. <i>Limnology and Oceanography</i> , 2016, 61, 684-700.	3.1	23
26	Rapid Generation of Upwelling at a Shelf Break Caused by Buoyancy Shutdown. <i>Journal of Physical Oceanography</i> , 2015, 45, 294-312.	1.7	20
27	Seasonal organic matter dynamics in the Great Barrier Reef lagoon: Contribution of carbohydrates and proteins. <i>Continental Shelf Research</i> , 2017, 138, 95-105.	1.8	19
28	Closing the Gap Between the Coral Sea and the Equator: Direct Observations of the North Australian Western Boundary Currents. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 9212-9231.	2.6	8
29	Nonlinear stratified spindown over a slope. <i>Journal of Fluid Mechanics</i> , 2013, 726, 371-403.	3.4	7
30	Wave and Tidally Driven Flow Dynamics Within a Coral Reef Atoll off Northwestern Australia. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	7
31	Asymmetries in vertical vorticity and vertical velocity arising during nonlinear homogeneous spindown. <i>Physics of Fluids</i> , 2012, 24, .	4.0	6
32	Watermass characteristics and circulation near 110°E in the southeast Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 202, 105149.	1.4	3