

Jochen Kaempf

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,396
citations

394390

19
h-index

377849

34
g-index

60
all docs

60
docs citations

60
times ranked

1498
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of physical drivers of a large feeding aggregation of killer whales (<i>Orcinus orca</i>) in the western Great Australian Bight, Australia. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 171, 103526.	1.4	1
2	On the upslope sediment transport at continental margins. <i>Journal of Marine Systems</i> , 2021, 219, 103546.	2.1	2
3	Extreme bed shear stress during coastal downwelling. <i>Ocean Dynamics</i> , 2019, 69, 581-597.	2.2	4
4	SST variability in the eastern intertropical Indian Ocean – On the search for trigger mechanisms of IOD events. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 166, 64-74.	1.4	10
5	Wave-Created Mud Suspensions: A Theoretical Study. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 29.	2.6	5
6	On the Dynamics of Canyon–Flow Interactions. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 129.	2.6	5
7	On the “hidden” phytoplankton blooms on Australia's southern shelves. <i>Geophysical Research Letters</i> , 2017, 44, 1466-1473.	4.0	15
8	Wind-Driven Overturning, Mixing and Upwelling in Shallow Water: A Nonhydrostatic Modeling Study. <i>Journal of Marine Science and Engineering</i> , 2017, 5, 47.	2.6	8
9	Large-Scale Setting, Natural Variability and Human Influences. , 2016, , 67-95.		0
10	Seasonal Wind-Driven Coastal Upwelling Systems. , 2016, , 315-361.		5
11	Towards improved numerical schemes of turbulent lateral dispersion. <i>Ocean Modelling</i> , 2016, 106, 1-11.	2.4	6
12	Upwelling Systems of the World. , 2016, , .		97
13	The Functioning of Coastal Upwelling Systems. , 2016, , 31-65.		22
14	Other Important Upwelling Systems. , 2016, , 363-393.		0
15	On the majestic seasonal upwelling system of the <sc>A</sc>rafura <sc>S</sc>ea. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1218-1228.	2.6	12
16	Undercurrent–driven upwelling in the northwestern Arafura Sea. <i>Geophysical Research Letters</i> , 2015, 42, 9362-9368.	4.0	12
17	Phytoplankton blooms on the western shelf of Tasmania: evidence of a highly productive ecosystem. <i>Ocean Science</i> , 2015, 11, 1-11.	3.4	36
18	Hydrodynamics and Flushing of Coffin Bay, South Australia: A Small Tidal Inverse Estuary of Interconnected Bays. <i>Journal of Coastal Research</i> , 2015, 300, 447-456.	0.3	17

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19	Interference of wind-driven and pressure gradient-driven flows in shallow homogeneous water bodies. <i>Ocean Dynamics</i> , 2015, 65, 1399-1410.	2.2	16
20	High-Density Mud Suspensions and Cross-Shelf Transport: On the Mechanism of Gelling Ignition. <i>Journal of Sedimentary Research</i> , 2014, 84, 215-223.	1.6	15
21	South Australia's Large Inverse Estuaries: On the Road to Ruin. <i>Estuaries of the World</i> , 2014, , 153-166.	0.1	19
22	Dispersion and Connectivity of Land-Based Discharges Near the Mouth of a Coastal Inlet. <i>Journal of Coastal Research</i> , 2013, 291, 100-109.	0.3	2
23	How robust is the environmental impact assessment process in South Australia? Behind the scenes of the Adelaide seawater desalination project. <i>Marine Policy</i> , 2013, 38, 500-506.	3.2	14
24	Characterisation of the wave field and associated risk of sediment resuspension in a coastal aquaculture zone. <i>Ocean and Coastal Management</i> , 2012, 69, 16-26.	4.4	4
25	Lee effects of localized upwelling in a shelf-break canyon. <i>Continental Shelf Research</i> , 2012, 42, 78-88.	1.8	21
26	Marine Connectivity in a Large Inverse Estuary. <i>Journal of Coastal Research</i> , 2010, 26, 1047-1056.	0.3	23
27	On preconditioning of coastal upwelling in the eastern Great Australian Bight. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
28	Advanced Ocean Modelling. , 2010, , .		9
29	3D Level Modelling. , 2010, , 125-171.		0
30	Basics of Nonhydrostatic Modelling. , 2010, , 21-96.		0
31	2.5D Vertical Slice Modelling. , 2010, , 97-124.		1
32	1D Models of Ekman Layers. , 2010, , 9-19.		0
33	Hindcasts of the fate of desalination brine in large inverse estuaries: Spencer Gulf and Gulf St. Vincent, South Australia. <i>Desalination and Water Treatment</i> , 2009, 2, 335-344.	1.0	12
34	On the Interaction of Time-Variable Flows with a Shelfbreak Canyon. <i>Journal of Physical Oceanography</i> , 2009, 39, 248-260.	1.7	16
35	Impacts of blending on dilution of negatively buoyant brine discharge in a shallow tidal sea. <i>Marine Pollution Bulletin</i> , 2009, 58, 1032-1038.	5.0	3
36	Ocean Modelling for Beginners. , 2009, , .		36

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37	Radium and radon radioisotopes in regional groundwater, intertidal groundwater, and seawater in the Adelaide Coastal Waters Study area: Implications for the evaluation of submarine groundwater discharge. <i>Marine Chemistry</i> , 2008, 109, 318-336.	2.3	40
38	On the magnitude of upwelling fluxes in shelf-break canyons. <i>Continental Shelf Research</i> , 2007, 27, 2211-2223.	1.8	40
39	Transport timescales for identifying seasonal variation in Bass Strait, south-eastern Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 684-696.	2.1	55
40	Transient wind-driven upwelling in a submarine canyon: A process-oriented modeling study. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	29
41	The circulation of the Persian Gulf: a numerical study. <i>Ocean Science</i> , 2006, 2, 27-41.	3.4	212
42	Pelagic ecology of a northern boundary current system: effects of upwelling on the production and distribution of sardine (<i>Sardinops sagax</i>), anchovy (<i>Engraulis australis</i>) and southern bluefin tuna (<i>Thunnus maccoyii</i>) in the Great Australian Bight. <i>Fisheries Oceanography</i> , 2006, 15, 191-207.	1.7	108
43	Winter-Spring flushing of Bass Strait, South-Eastern Australia: a numerical modelling study. <i>Estuarine, Coastal and Shelf Science</i> , 2005, 63, 23-31.	2.1	30
44	Cascading-driven upwelling in submarine canyons at high latitudes. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	29
45	Cyclogenesis in the deep ocean beneath Western Boundary Currents: A process-oriented numerical study. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	5
46	Evidence of a large seasonal coastal upwelling system along the southern shelf of Australia. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	106
47	Three-dimensional flushing times of the Persian Gulf. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	43
48	Modern Ocean Current-Controlled Sediment Transport in the Greenland-Iceland-Norwegian (GIN) Seas. , 2001, , 135-154.		7
49	Sediment-Driven Downslope Flow in Submarine Canyons and Channels: Three-Dimensional Numerical Experiments. <i>Journal of Physical Oceanography</i> , 2000, 30, 2302-2319.	1.7	16
50	Impact of multiple submarine channels on the descent of dense water at high latitudes. <i>Journal of Geophysical Research</i> , 2000, 105, 8753-8773.	3.3	13
51	Ice-ocean interactions during shallow convection under conditions of steady winds: three-dimensional numerical studies. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1999, 46, 1335-1355.	1.4	13
52	Simulations of sub-mesoscale oceanic convection and ice-ocean interactions in the Greenland Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1999, 46, 1427-1455.	1.4	19
53	Sediment-induced slope convection: Two-dimensional numerical case studies. <i>Journal of Geophysical Research</i> , 1999, 104, 20509-20522.	3.3	15
54	Phyto-convection: the role of oceanic convection in primary production. <i>Marine Ecology - Progress Series</i> , 1999, 189, 77-92.	1.9	56

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55	Shallow, brine-driven free convection in polar oceans: Nonhydrostatic numerical process studies. Journal of Geophysical Research, 1998, 103, 5577-5593.	3.3	41
56	Formation and export of water masses produced in Arctic shelf polynyas – process studies of oceanic convection. ICES Journal of Marine Science, 1997, 54, 366-382.	2.5	42