

Nicolas Bruneau

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,386
citations

430843

18
h-index

580810

25
g-index

30
all docs

30
docs citations

30
times ranked

2225
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of surface winds over the Atlantic, Indian, and Pacific Ocean sectors of the Southern Ocean in CMIP5 models: historical bias, forcing response, and state dependence. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 547-562.	3.3	173
2	Importance of wave age and resonance in storm surges: The case Xynthia, Bay of Biscay. <i>Ocean Modelling</i> , 2012, 42, 16-30.	2.4	167
3	Assessment of Southern Ocean water mass circulation and characteristics in CMIP5 models: Historical bias and forcing response. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1830-1844.	2.6	164
4	Assessment of Southern Ocean mixed-layer depths in CMIP5 models: Historical bias and forcing response. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1845-1862.	2.6	136
5	Wave-current interactions in a wave-dominated tidal inlet. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1587-1605.	2.6	101
6	Representation of the Antarctic Circumpolar Current in the CMIP5 climate models and future changes under warming scenarios. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	97
7	Modeled Trends in Antarctic Sea Ice Thickness. <i>Journal of Climate</i> , 2014, 27, 3784-3801.	3.2	78
8	Field observations of an evolving rip current on a meso-macrotidal well-developed inner bar and rip morphology. <i>Continental Shelf Research</i> , 2009, 29, 1650-1662.	1.8	68
9	Monitoring spatio-temporal variability of the Adour River turbid plume (Bay of Biscay, France) with MODIS 250-m imagery. <i>Continental Shelf Research</i> , 2014, 74, 35-49.	1.8	64
10	Modeling rip current circulations and vorticity in a high-energy mesotidal-macrotidal environment. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	52
11	Coupling mechanisms in double sandbar systems. Part 1: patterns and physical explanation. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 476-486.	2.5	39
12	Future evolution of a tidal inlet due to changes in wave climate, Sea level and lagoon morphology (Ábidos lagoon, Portugal). <i>Continental Shelf Research</i> , 2011, 31, 1915-1930.	1.8	38
13	Morphological evolution of an ephemeral tidal inlet from opening to closure: The Albufeira inlet, Portugal. <i>Continental Shelf Research</i> , 2014, 73, 49-63.	1.8	31
14	Large-scale vorticity generation due to dissipating waves in the surf zone. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2010, 13, 729-738.	0.9	31
15	A fully-coupled atmosphere-ocean-wave model of the Caspian Sea. <i>Ocean Modelling</i> , 2016, 107, 97-111.	2.4	24
16	Coupling mechanisms in double sandbar systems. Part 2: impact on alongshore variability of inner-bar rip channels. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 771-781.	2.5	19
17	Estimation of global coastal sea level extremes using neural networks. <i>Environmental Research Letters</i> , 2020, 15, 074030.	5.2	19
18	On the impact of an offshore bathymetric anomaly on surf zone rip channels. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18

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19	Tide-induced flow signature in rip currents on a meso-macrotidal beach. <i>Ocean Modelling</i> , 2014, 74, 53-59.	2.4	14
20	Long Memory Impact of Ocean Mesoscale Temperature Anomalies on Tropical Cyclone Size. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086165.	4.0	13
21	Experimental and numerical study of the hydrodynamics of the western sector of Ria Formosa. <i>Journal of Coastal Research</i> , 2013, 165, 2011-2016.	0.3	11
22	Impact of wave whitecapping on land falling tropical cyclones. <i>Scientific Reports</i> , 2018, 8, 652.	3.3	10
23	Modélisation des évolutions de profil de plage. <i>Houille Blanche</i> , 2010, 96, 104-110.	0.3	5
24	Can the Ocean's Heat Engine Control Horizontal Circulation? Insights From the Caspian Sea. <i>Geophysical Research Letters</i> , 2017, 44, 9893-9900.	4.0	4
25	The impact of extra-tropical transitioning on storm surge and waves in catastrophe risk modelling: application to the Japanese coastline. <i>Natural Hazards</i> , 2017, 85, 649-667.	3.4	3
26	Interactions vagues-courants dans une embouchure tidale dominée par la houle. , 2012, , .		3
27	Effect of Inlet Morphology and Wave Action on Pollutant Pathways and Sediment Dynamics in a Coastal Stream. , 2010, , .		2
28	MODELING OF A HIGH-ENERGY RIP CURRENT DURING BISCARROSSE 2007 FIELD EXPERIMENT. , 2009, , .		2
29	MODELING OF COUPLED AND NONCOUPLED BEHAVIOR OF A DOUBLE SANDBAR SYSTEM: SELF-ORGANIZATION AND MORPHOLOGICAL FORCING. , 2009, , .		0