

Jerome Aucan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7125094/publications.pdf>

Version: 2024-02-01

45
papers

1,203
citations

430442

18
h-index

395343

33
g-index

51
all docs

51
docs citations

51
times ranked

1502
citing authors

#	ARTICLE	IF	CITATIONS
1	SMART Subsea Cables for Observing the Earth and Ocean, Mitigating Environmental Hazards, and Supporting the Blue Economy. <i>Frontiers in Earth Science</i> , 2022, 9, .	0.8	13
2	Periodicity of wave-driven flows and lagoon water renewal for 74 Central Pacific Ocean atolls. <i>Marine Pollution Bulletin</i> , 2022, 179, 113748.	2.3	8
3	The wave regimes of the Central Pacific Ocean with a focus on pearl farming atolls. <i>Marine Pollution Bulletin</i> , 2021, 162, 111751.	2.3	7
4	A low-cost toolbox for high-resolution vulnerability and hazard-perception mapping in view of tsunami risk mitigation: Application to New Caledonia. <i>International Journal of Disaster Risk Reduction</i> , 2021, 62, 102350.	1.8	7
5	The BourakÃ© semi-enclosed lagoon (New Caledonia) â€“ a natural laboratory to study the lifelong adaptation of a coral reef ecosystem to extreme environmental conditions. <i>Biogeosciences</i> , 2021, 18, 5117-5140.	1.3	17
6	Tide and wave driven flow across the rim reef of the atoll of Raroia (Tuamotu, French Polynesia). <i>Marine Pollution Bulletin</i> , 2021, 171, 112718.	2.3	8
7	The <i>M</i><sub>w</sub>â‰‰7.5 Tadine (MarÃ©,) Tj ETQq1 1 0.7843 numerical modeling. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3489-3508.	1.5	5
8	Monitoring pearl farming lagoon temperature with global high resolution satellite-derived products: An evaluation using Raroia Atoll, French Polynesia. <i>Marine Pollution Bulletin</i> , 2020, 160, 111576.	2.3	11
9	Distant-Source Swells Cause Coastal Inundation on Fijiâ€™s Coral Coast. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	17
10	Characterization of south central Pacific Ocean wind regimes in present and future climate for pearl farming application. <i>Marine Pollution Bulletin</i> , 2020, 160, 111584.	2.3	17
11	Steps to Develop Early Warning Systems and Future Scenarios of Storm Wave-Driven Flooding Along Coral Reef-Lined Coasts. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	19
12	Tropical Cyclone Induced Wave Setup around New Caledonia during Cyclone COOK (2017). <i>Journal of Coastal Research</i> , 2020, 95, 1454.	0.1	6
13	Update of the tsunami catalogue of New Caledonia using a decision table based on seismic data and marigraphic records. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 1471-1483.	1.5	8
14	Wave transformation over a barrier reef. <i>Continental Shelf Research</i> , 2019, 184, 66-80.	0.9	24
15	SMART Cables for Observing the Global Ocean: Science and Implementation. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	73
16	Waves do not contribute to global sea-level rise. <i>Nature Climate Change</i> , 2019, 9, 2-2.	8.1	12
17	Reconstruction of Local Sea Levels at South West Pacific Islandsâ€™A Multiple Linear Regression Approach (1988â€™2014). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1502-1518.	1.0	9
18	Multisensor, Microseismic Observations of a Hurricane Transit Near the ALOHA Cabled Observatory. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3027-3046.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Chapitre 4. La valse des masses d'eau dans le lagon océanien. , 2018, , 39-46.		0
20	Historical Sea Level in the South Pacific from Rescued Archives, Geodetic Measurements, and Satellite Altimetry. Pure and Applied Geophysics, 2017, 174, 3813-3823.	0.8	9
21	Wave forcing and morphological changes of New Caledonia lagoon islets: Insights on their possible relations. Comptes Rendus - Geoscience, 2017, 349, 248-259.	0.4	11
22	Submarine Cable Systems for Future Societal Needs. Eos, 2016, 97, .	0.1	1
23	Regional circulation around New Caledonia from two decades of observations. Journal of Marine Systems, 2015, 148, 249-271.	0.9	26
24	Conservation of low-islands: high priority despite sea-level rise. A comment on Courchamp et al.. Trends in Ecology and Evolution, 2015, 30, 1-2.	4.2	38
25	Estimates of tidal mixing in the Indonesian archipelago from multidisciplinary INDOMIX in-situ data. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 106, 136-153.	0.6	62
26	Infragravity waves across the oceans. Geophysical Research Letters, 2014, 41, 7957-7963.	1.5	32
27	A numerical model for free infragravity waves: Definition and validation at regional and global scales. Ocean Modelling, 2014, 77, 20-32.	1.0	63
28	Deep water trends and variability at the BATS site in the subtropical North Atlantic and consequences on local sea level budget. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 93, 169-176.	0.6	0
29	Changes in partitioning of carbon amongst photosynthetic pico- and nano-plankton groups in the Sargasso Sea in response to changes in the North Atlantic Oscillation. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 93, 58-70.	0.6	68
30	A numerical model for ocean ultra-low frequency noise: Wave-generated acoustic-gravity and Rayleigh modes. Journal of the Acoustical Society of America, 2013, 134, 3242-3259.	0.5	26
31	Infragravity waves in the deep ocean: An upward revision. Geophysical Research Letters, 2013, 40, 3435-3439.	1.5	47
32	Wind, waves, and acoustic background levels at Station ALOHA. Journal of Geophysical Research, 2012, 117, .	3.3	40
33	Wave-driven sea level anomalies at the Midway tide gauge as an index of North Pacific storminess over the past 60 years. Geophysical Research Letters, 2012, 39, .	1.5	28
34	Wave setup over a Pacific Island fringing reef. Journal of Geophysical Research, 2010, 115, .	3.3	92
35	Wave Navigation in the Marshall Islands: Comparing Indigenous and Western Scientific Knowledge of the Ocean. Oceanography, 2009, 22, 234-245.	0.5	54
36	Frequency and Duration of Coinciding High Surf and Tides along the North Shore of Oahu, Hawaii, 1981-2007. Journal of Coastal Research, 2009, 253, 734-743.	0.1	12

#	ARTICLE	IF	CITATIONS
37	Forcing of resonant modes on a fringing reef during tropical storm Manu. Geophysical Research Letters, 2009, 36, .	1.5	91
38	Boundary Mixing Associated with Tidal and Near-Inertial Internal Waves. Journal of Physical Oceanography, 2008, 38, 1238-1252.	0.7	8
39	An Empirical Method for Estimating Surf Heights from Deepwater Significant Wave Heights and Peak Periods in Coastal Zones with Narrow Shelves, Steep Bottom Slopes, and High Refraction. Journal of Coastal Research, 2007, 23, 1237.	0.1	18
40	Video-based observations of nearshore sand ripples and ripple migration. Journal of Geophysical Research, 2007, 112, .	3.3	13
41	Infrasound from large surf. Geophysical Research Letters, 2006, 33, .	1.5	28
42	Infrasonic estimation of surf period. Geophysical Research Letters, 2006, 33, .	1.5	9
43	Tidal Mixing Events on the Deep Flanks of Kaena Ridge, Hawaii. Journal of Physical Oceanography, 2006, 36, 1202-1219.	0.7	58
44	Observations of surf infrasound in Hawaii. Geophysical Research Letters, 2003, 30, .	1.5	49
45	Tidal asymmetry in creeks surrounded by saltflats and mangroves with small swamp slopes. , 2000, 8, 223-232.		37