

# 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	Wave setup over a Pacific Island fringing reef. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	92
2	Forcing of resonant modes on a fringing reef during tropical storm Manu. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	91
3	SMART Cables for Observing the Global Ocean: Science and Implementation. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	73
4	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. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 93, 58-70.	0.6	68
5	A numerical model for free infragravity waves: Definition and validation at regional and global scales. <i>Ocean Modelling</i> , 2014, 77, 20-32.	1.0	63
6	Estimates of tidal mixing in the Indonesian archipelago from multidisciplinary INDOMIX in-situ data. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 106, 136-153.	0.6	62
7	Tidal Mixing Events on the Deep Flanks of Kaena Ridge, Hawaii. <i>Journal of Physical Oceanography</i> , 2006, 36, 1202-1219.	0.7	58
8	Wave Navigation in the Marshall Islands: Comparing Indigenous and Western Scientific Knowledge of the Ocean. <i>Oceanography</i> , 2009, 22, 234-245.	0.5	54
9	Observations of surf infrasound in Hawaii. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	49
10	Infragravity waves in the deep ocean: An upward revision. <i>Geophysical Research Letters</i> , 2013, 40, 3435-3439.	1.5	47
11	Wind, waves, and acoustic background levels at Station ALOHA. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
12	Conservation of low-islands: high priority despite sea-level rise. A comment on Courchamp et al.. <i>Trends in Ecology and Evolution</i> , 2015, 30, 1-2.	4.2	38
13	Tidal asymmetry in creeks surrounded by saltflats and mangroves with small swamp slopes. , 2000, 8, 223-232.		37
14	Infragravity waves across the oceans. <i>Geophysical Research Letters</i> , 2014, 41, 7957-7963.	1.5	32
15	Infrasound from large surf. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	28
16	Wave-driven sea level anomalies at the Midway tide gauge as an index of North Pacific storminess over the past 60 years. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	28
17	A numerical model for ocean ultra-low frequency noise: Wave-generated acoustic-gravity and Rayleigh modes. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3242-3259.	0.5	26
18	Regional circulation around New Caledonia from two decades of observations. <i>Journal of Marine Systems</i> , 2015, 148, 249-271.	0.9	26

#	ARTICLE	IF	CITATIONS
19	Wave transformation over a barrier reef. <i>Continental Shelf Research</i> , 2019, 184, 66-80.	0.9	24
20	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
21	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. <i>Journal of Coastal Research</i> , 2007, 23, 1237.	0.1	18
22	Distant-Source Swells Cause Coastal Inundation on Fiji's Coral Coast. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	17
23	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
24	The Bouraké semi-enclosed lagoon (New Caledonia) – 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
25	Video-based observations of nearshore sand ripples and ripple migration. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
26	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
27	Frequency and Duration of Coinciding High Surf and Tides along the North Shore of Oahu, Hawaii, 1981–2007. <i>Journal of Coastal Research</i> , 2009, 253, 734-743.	0.1	12
28	Waves do not contribute to global sea-level rise. <i>Nature Climate Change</i> , 2019, 9, 2-2.	8.1	12
29	Wave forcing and morphological changes of New Caledonia lagoon islets: Insights on their possible relations. <i>Comptes Rendus - Geoscience</i> , 2017, 349, 248-259.	0.4	11
30	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
31	Infrasonic estimation of surf period. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	9
32	Historical Sea Level in the South Pacific from Rescued Archives, Geodetic Measurements, and Satellite Altimetry. <i>Pure and Applied Geophysics</i> , 2017, 174, 3813-3823.	0.8	9
33	Reconstruction of Local Sea Levels at South West Pacific Islands – A Multiple Linear Regression Approach (1988–2014). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1502-1518.	1.0	9
34	Boundary Mixing Associated with Tidal and Near-Inertial Internal Waves. <i>Journal of Physical Oceanography</i> , 2008, 38, 1238-1252.	0.7	8
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	Tropical Cyclone Induced Wave Setup around New Caledonia during Cyclone COOK (2017). <i>Journal of Coastal Research</i> , 2020, 95, 1454.	0.1	6
42	The &lt;i>M&lt;/i>w&lt;/sub>7.5 Tadine (MarÃ©), Tj ETQq0 0 0 rgBT /C numerical modeling. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3489-3508.	1.5	5
43	Submarine Cable Systems for Future Societal Needs. <i>Eos</i> , 2016, 97, .	0.1	1
44	Deep water trends and variability at the BATS site in the subtropical North Atlantic and consequences on local sea level budget. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 93, 169-176.	0.6	0
45	Chapitre 4. La valse des masses d'eau dans le lagon nÃ©o-calÃ©donien. , 2018, , 39-46.		0