

# Jean-Yves Royer

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

4,162  
citations

201385

27  
h-index

155451

55  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Teleseismic P-Wave Arrivals to Calibrate the Clock Drift of Autonomous Underwater Hydrophones. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 21-35.	1.1	0
2	Geodetic Seafloor Positioning Using an Unmanned Surface Vehicle—Contribution of Direction-of-Arrival Observations. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
3	Multiple pygmy blue whale acoustic populations in the Indian Ocean: whale song identifies a possible new population. <i>Scientific Reports</i> , 2021, 11, 8762.	1.6	12
4	Hydroacoustic Observations of Two Contrasted Seismic Swarms along the Southwest Indian Ridge in 2018. <i>Geosciences (Switzerland)</i> , 2021, 11, 225.	1.0	4
5	Detecting, classifying, and counting blue whale calls with Siamese neural networks. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 3086-3094.	0.5	15
6	Uppermost Mantle Velocity beneath the Mid-Atlantic Ridge and Transform Faults in the Equatorial Atlantic Ocean. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 1067-1079.	1.1	2
7	Distribution of blue whale populations in the Southern Indian Ocean based on a decade of acoustic monitoring. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 179, 104874.	0.6	17
8	A Multi-Observation Least-Squares Inversion for GNSS-Acoustic Seafloor Positioning. <i>Remote Sensing</i> , 2020, 12, 448.	1.8	12
9	Occurrence of Omura's whale, <i>Balaenoptera omurai</i> (Cetacea: Balaenopteridae), in the Equatorial Atlantic Ocean based on Passive Acoustic Monitoring. <i>Journal of Mammalogy</i> , 2020, 101, 1727-1735.	0.6	5
10	Interseismic strain build-up on the submarine North Anatolian Fault offshore Istanbul. <i>Nature Communications</i> , 2019, 10, 3006.	5.8	37
11	Three-dimensional modeling of earthquake generated acoustic waves in the ocean in simplified configurations. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 2113-2123.	0.5	15
12	Detection strategy for long-term acoustic monitoring of blue whale stereotyped and non-stereotyped calls in the Southern Indian Ocean. , 2019, , .		1
13	Modal propagation of ocean acoustic waves generated by earthquakes. , 2019, , .		0
14	Antarctic blue whales ( <i>Balaenoptera musculus intermedia</i> ) recorded at the Equator in the Atlantic Ocean. <i>Marine Mammal Science</i> , 2019, 35, 641-648.	0.9	10
15	Long-Term and Seasonal Changes of Large Whale Call Frequency in the Southern Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8568-8580.	1.0	37
16	On the reliability of acoustic annotations and automatic detections of Antarctic blue whale calls under different acoustic conditions. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 740-754.	0.5	18
17	Identification of two potential whale calls in the southern Indian Ocean, and their geographic and seasonal occurrence. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1413-1427.	0.5	15
18	Seismicity and active accretion processes at the ultraslow-spreading Southwest and intermediate-spreading Southeast Indian ridges from hydroacoustic data. <i>Geophysical Journal International</i> , 2016, 206, 1232-1245.	1.0	13

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19	Seasonal and Diel Vocalization Patterns of Antarctic Blue Whale ( <i>Balaenoptera musculus intermedia</i> ) in the Southern Indian Ocean: A Multi-Year and Multi-Site Study. <i>PLoS ONE</i> , 2016, 11, e0163587.	1.1	45
20	Automated detection of Antarctic blue whale calls. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 3105-3117.	0.5	25
21	Low-frequency sound level in the Southern Indian Ocean. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 3439-3446.	0.5	13
22	T-wave generation and propagation: A comparison between data and spectral element modeling. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3376-3385.	0.5	17
23	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
24	Seasonal and Geographic Variation of Southern Blue Whale Subspecies in the Indian Ocean. <i>PLoS ONE</i> , 2013, 8, e71561.	1.1	69
25	Long-term autonomous hydrophones for large-scale hydroacoustic monitoring of the oceans. , 2012, , .		11
26	When an oceanic tectonic plate cracks. <i>Nature</i> , 2012, 490, 183-185.	13.7	4
27	Building of the Amsterdam-Saint Paul plateau: A 10 Myr history of a ridge-hot spot interaction and variations in the strength of the hot spot source. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	19
28	Active Deformation along the Southern End of the Tosco-Abrejos Fault System: New Insights from Multibeam Swath Bathymetry. <i>Pure and Applied Geophysics</i> , 2011, 168, 1363-1372.	0.8	10
29	The Mid-Rivera-Transform Discordance: Morphology and Tectonic Development. <i>Pure and Applied Geophysics</i> , 2011, 168, 1391-1413.	0.8	9
30	India-Asia collision and the Cenozoic slowdown of the Indian plate: Implications for the forces driving plate motions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	332
31	Ocean Gravity Models From Future Satellite Missions. <i>Eos</i> , 2010, 91, 21-22.	0.1	8
32	Influence of the subduction of the Carnegie volcanic ridge on Ecuadorian geology: Reality and fiction. , 2009, , .		23
33	Multibeam bathymetry and sidescan imaging of the Rivera Transform-Moctezuma Spreading Segment junction, northern East Pacific Rise: New constraints on Rivera-Pacific relative plate motion. <i>Tectonophysics</i> , 2008, 454, 70-85.	0.9	10
34	Space geodetic test of kinematic models for the Indo-Australian composite plate. <i>Geology</i> , 2008, 36, 827.	2.0	14
35	Right-lateral active faulting between southern Baja California and the Pacific plate: The Tosco-Abrejos fault. , 2007, , .		5
36	Slab-tearing following ridge-trench collision: Evidence from Miocene volcanism in Baja California, MÃ©xico. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 161, 95-117.	0.8	107

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37	Motion of Nubia relative to Antarctica since 11 Ma: Implications for Nubia-Somalia, Pacificâ€œNorth America, and India-Eurasia motion. <i>Geology</i> , 2006, 34, 501.	2.0	42
38	Motion between the Indian, Capricorn and Somalian plates since 20 Ma: implications for the timing and magnitude of distributed lithospheric deformation in the equatorial Indian ocean. <i>Geophysical Journal International</i> , 2005, 161, 445-468.	1.0	76
39	Subsidence and strike-slip tectonism of the upper continental slope off Manzanillo, Mexico. <i>Tectonophysics</i> , 2005, 398, 115-140.	0.9	31
40	Late Cenozoic geodynamic evolution of eastern Indonesia. <i>Tectonophysics</i> , 2005, 404, 91-118.	0.9	113
41	A wide ocean-continent transition along the south-west Australian margin: first results of the MARGAU/MD110 cruise. <i>Bulletin - Societie Geologique De France</i> , 2004, 175, 629-641.	0.9	50
42	Paleogene magnetic isochrons and palaeo-propagators in the Arabian and Eastern Somali basins, NW Indian Ocean. <i>Geological Society Special Publication</i> , 2002, 195, 71-85.	0.8	26
43	Paleogene plate tectonic evolution of the Arabian and Eastern Somali basins. <i>Geological Society Special Publication</i> , 2002, 195, 7-23.	0.8	44
44	Location of the Nubia-Somalia boundary along the Southwest Indian Ridge. <i>Geology</i> , 2002, 30, 339.	2.0	68
45	Statistical tools for estimating and combining finite rotations and their uncertainties. <i>Geophysical Journal International</i> , 2002, 137, 408-428.	1.0	69
46	Evolution of the Louisiade triple junction. <i>Journal of Geophysical Research</i> , 1999, 104, 12927-12939.	3.3	73
47	Chapter 2 New constraints on the late cretaceous/tertiary plate tectonic evolution of the caribbean. <i>Sedimentary Basins of the World</i> , 1999, 4, 33-59.	0.2	86
48	Asymmetric sea-floor spreading caused by ridgeâ€œplume interactions. <i>Nature</i> , 1998, 396, 455-459.	13.7	98
49	Evidence for long-term diffuse deformation of the lithosphere of the equatorial Indian Ocean. <i>Nature</i> , 1998, 395, 370-374.	13.7	86
50	The tectonic history of the Tasman Sea: A puzzle with 13 pieces. <i>Journal of Geophysical Research</i> , 1998, 103, 12413-12433.	3.3	390
51	Digital isochrons of the world's ocean floor. <i>Journal of Geophysical Research</i> , 1997, 102, 3211-3214.	3.3	744
52	New limits on the motion between India and Australia since chron 5 (11 Ma) and implications for lithospheric deformation in the equatorial Indian Ocean. <i>Geophysical Journal International</i> , 1997, 129, 41-74.	1.0	56
53	The Rivera fracture zone revisited. <i>Marine Geology</i> , 1997, 137, 207-225.	0.9	14
54	Comment on â€œsegmentation and disruption of the East Pacific Rise in the mouth of the Gulf of Californiaâ€œ by Peter Lonsdale ( <i>Marine Geophysical Researches</i> 17, pp. 323â€œ359, 1995). <i>Marine Geophysical Researches</i> , 1996, 18, 597-599.	0.5	7

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55	Revised plate motions relative to the hotspots from combined Atlantic and Indian Ocean hotspot tracks. <i>Geology</i> , 1993, 21, 275.	2.0	529
56	Evidence for relative motions between the Indian and Australian Plates during the last 20 m.y. from plate tectonic reconstructions: Implications for the deformation of the Indo-Australian Plate. <i>Journal of Geophysical Research</i> , 1991, 96, 11779-11802.	3.3	158
57	A preliminary tectonic fabric chart of the Indian Ocean. <i>Journal of Earth System Science</i> , 1989, 98, 7-24.	0.6	35
58	Evolution of the eastern Indian Ocean since the Late Cretaceous: Constraints from Geosat altimetry. <i>Journal of Geophysical Research</i> , 1989, 94, 13755-13782.	3.3	254
59	Evolution of the Southwest Indian Ridge from the Late Cretaceous (anomaly 34) to the Middle Eocene (anomaly 20). <i>Tectonophysics</i> , 1988, 155, 235-260.	0.9	77
60	Southeast Indian Ridge Between the Rodriguez Triple Junction and the Amsterdam and Saint-Paul Islands: Detailed Kinematics for the Past 20 m.y.. <i>Journal of Geophysical Research</i> , 1988, 93, 13524-13550.	3.3	48