

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	Digital isochrons of the world's ocean floor. <i>Journal of Geophysical Research</i> , 1997, 102, 3211-3214.	3.3	744
2	Revised plate motions relative to the hotspots from combined Atlantic and Indian Ocean hotspot tracks. <i>Geology</i> , 1993, 21, 275.	2.0	529
3	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
4	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
5	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
6	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
7	Late Cenozoic geodynamic evolution of eastern Indonesia. <i>Tectonophysics</i> , 2005, 404, 91-118.	0.9	113
8	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
9	Asymmetric sea-floor spreading caused by ridge-plume interactions. <i>Nature</i> , 1998, 396, 455-459.	13.7	98
10	Evidence for long-term diffuse deformation of the lithosphere of the equatorial Indian Ocean. <i>Nature</i> , 1998, 395, 370-374.	13.7	86
11	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
12	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
13	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
14	Evolution of the Louisiade triple junction. <i>Journal of Geophysical Research</i> , 1999, 104, 12927-12939.	3.3	73
15	Statistical tools for estimating and combining finite rotations and their uncertainties. <i>Geophysical Journal International</i> , 2002, 137, 408-428.	1.0	69
16	Seasonal and Geographic Variation of Southern Blue Whale Subspecies in the Indian Ocean. <i>PLoS ONE</i> , 2013, 8, e71561.	1.1	69
17	Location of the Nubia-Somalia boundary along the Southwest Indian Ridge. <i>Geology</i> , 2002, 30, 339.	2.0	68
18	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

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19	A wide ocean-continent transition along the south-west Australian margin: first results of the MARGAU/MD110 cruise. Bulletin - Societie Geologique De France, 2004, 175, 629-641.	0.9	50
20	Southeast Indian Ridge Between the Rodriguez Triple Junction and the Amsterdam and Saintâ€Paul Islands: Detailed Kinematics for the Past 20 m.y.. Journal of Geophysical Research, 1988, 93, 13524-13550.	3.3	48
21	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. PLoS ONE, 2016, 11, e0163587.	1.1	45
22	Paleogene plate tectonic evolution of the Arabian and Eastern Somali basins. Geological Society Special Publication, 2002, 195, 7-23.	0.8	44
23	Motion of Nubia relative to Antarctica since 11 Ma: Implications for Nubia-Somalia, Pacificâ€North America, and India-Eurasia motion. Geology, 2006, 34, 501.	2.0	42
24	Longâ€Term and Seasonal Changes of Large Whale Call Frequency in the Southern Indian Ocean. Journal of Geophysical Research: Oceans, 2018, 123, 8568-8580.	1.0	37
25	Interseismic strain build-up on the submarine North Anatolian Fault offshore Istanbul. Nature Communications, 2019, 10, 3006.	5.8	37
26	A preliminary tectonic fabric chart of the Indian Ocean. Journal of Earth System Science, 1989, 98, 7-24.	0.6	35
27	Subsidence and strike-slip tectonism of the upper continental slope off Manzanillo, Mexico. Tectonophysics, 2005, 398, 115-140.	0.9	31
28	Paleogene magnetic isochrons and palaeo-propagators in the Arabian and Eastern Somali basins, NW Indian Ocean. Geological Society Special Publication, 2002, 195, 71-85.	0.8	26
29	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
30	Automated detection of Antarctic blue whale calls. Journal of the Acoustical Society of America, 2015, 138, 3105-3117.	0.5	25
31	Influence of the subduction of the Carnegie volcanic ridge on Ecuadorian geology: Reality and fiction. , 2009, , .		23
32	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. Journal of Geophysical Research, 2011, 116, .	3.3	19
33	On the reliability of acoustic annotations and automatic detections of Antarctic blue whale calls under different acoustic conditions. Journal of the Acoustical Society of America, 2018, 144, 740-754.	0.5	18
34	T-wave generation and propagation: A comparison between data and spectral element modeling. Journal of the Acoustical Society of America, 2013, 134, 3376-3385.	0.5	17
35	Distribution of blue whale populations in the Southern Indian Ocean based on a decade of acoustic monitoring. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 179, 104874.	0.6	17
36	Identification of two potential whale calls in the southern Indian Ocean, and their geographic and seasonal occurrence. Journal of the Acoustical Society of America, 2017, 142, 1413-1427.	0.5	15

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37	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
38	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
39	The Rivera fracture zone revisited. <i>Marine Geology</i> , 1997, 137, 207-225.	0.9	14
40	Space geodetic test of kinematic models for the Indo-Australian composite plate. <i>Geology</i> , 2008, 36, 827.	2.0	14
41	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
42	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
43	A Multi-Observation Least-Squares Inversion for GNSS-Acoustic Seafloor Positioning. <i>Remote Sensing</i> , 2020, 12, 448.	1.8	12
44	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
45	Long-term autonomous hydrophones for large-scale hydroacoustic monitoring of the oceans. , 2012, , .		11
46	Multibeam bathymetry and sidescan imaging of the Rivera Transformâ€”Moctezuma Spreading Segment junction, northern East Pacific Rise: New constraints on Riveraâ€™ Pacific relative plate motion. <i>Tectonophysics</i> , 2008, 454, 70-85.	0.9	10
47	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
48	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
49	The Mid-Rivera-Transform Discordance: Morphology and Tectonic Development. <i>Pure and Applied Geophysics</i> , 2011, 168, 1391-1413.	0.8	9
50	Ocean Gravity Models From Future Satellite Missions. <i>Eos</i> , 2010, 91, 21-22.	0.1	8
51	Comment on â€œsegmentation and disruption of the East Pacific Rise in the mouth of the Gulf of Californiaâ€”by Peter Lonsdale (<i>Marine Geophysical Researches</i> 17, pp. 323â€”359, 1995). <i>Marine Geophysical Researches</i> , 1996, 18, 597-599.	0.5	7
52	Geodetic Seafloor Positioning Using an Unmanned Surface Vehicleâ€”Contribution of Direction-of-Arrival Observations. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
53	Right-lateral active faulting between southern Baja California and the Pacific plate: The Tosco-Abrejos fault. , 2007, , .		5
54	Occurrence of Omuraâ€™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

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55	When an oceanic tectonic plate cracks. Nature, 2012, 490, 183-185.	13.7	4
56	Hydroacoustic Observations of Two Contrasted Seismic Swarms along the Southwest Indian Ridge in 2018. Geosciences (Switzerland), 2021, 11, 225.	1.0	4
57	Uppermost Mantle Velocity beneath the Mid-Atlantic Ridge and Transform Faults in the Equatorial Atlantic Ocean. Bulletin of the Seismological Society of America, 2021, 111, 1067-1079.	1.1	2
58	Detection strategy for long-term acoustic monitoring of blue whale stereotyped and non-stereotyped calls in the Southern Indian Ocean. , 2019, , .		1
59	Modal propagation of ocean acoustic waves generated by earthquakes. , 2019, , .		0
60	Using Teleseismic P-Wave Arrivals to Calibrate the Clock Drift of Autonomous Underwater Hydrophones. Bulletin of the Seismological Society of America, 2021, 111, 21-35.	1.1	0