

Jean-Yves Collot

List of Publications by Year in descending order

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54
papers

2,752
citations

159585

30
h-index

175258

52
g-index

55
all docs

55
docs citations

55
times ranked

1963
citing authors

#	ARTICLE	IF	CITATIONS
1	Tectonic segmentation of the North Andean margin: impact of the Carnegie Ridge collision. <i>Earth and Planetary Science Letters</i> , 1999, 168, 255-270.	4.4	325
2	The giant Ruatoria debris avalanche on the northern Hikurangi margin, New Zealand: Result of oblique seamount subduction. <i>Journal of Geophysical Research</i> , 2001, 106, 19271-19297.	3.3	178
3	The dammed Hikurangi Trough: a channelised trench blocked by subducting seamounts and their wake avalanches (New Zealand-France GeodyNZ Project). <i>Basin Research</i> , 1998, 10, 441-468.	2.7	132
4	Strain partitioning in the transition area between oblique subduction and continental collision, Hikurangi margin, New Zealand. <i>Tectonics</i> , 1998, 17, 534-557.	2.8	128
5	From oblique subduction to intra-continental transpression: Structures of the southern Kermadec-Hikurangi margin from multibeam bathymetry, side-scan sonar and seismic reflection. <i>Marine Geophysical Researches</i> , 1996, 18, 357-381.	1.2	116
6	Are rupture zone limits of great subduction earthquakes controlled by upper plate structures? Evidence from multichannel seismic reflection data acquired across the northern Ecuador-southwest Colombia margin. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	114
7	Interplate patchiness and subduction-erosion mechanisms: Evidence from depth-migrated seismic images at the central Ecuador convergent margin. <i>Geology</i> , 2006, 34, 997.	4.4	98
8	Origin of a crustal splay fault and its relation to the seismogenic zone and underplating at the erosional north Ecuador-south Colombia oceanic margin. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	89
9	Distribution of discrete seismic asperities and aseismic slip along the Ecuadorian megathrust. <i>Earth and Planetary Science Letters</i> , 2014, 400, 292-301.	4.4	89
10	The Oligocene-Miocene Pacific-Australia plate boundary, south of New Zealand: Evolution from oceanic spreading to strike-slip faulting. <i>Earth and Planetary Science Letters</i> , 1997, 148, 129-139.	4.4	78
11	Subduction initiation at a strike-slip plate boundary: The Cenozoic Pacific-Australian plate boundary, south of New Zealand. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	74
12	Nonlinear variations of the physical properties along the southern Ecuador subduction channel: Results from depth-migrated seismic data. <i>Earth and Planetary Science Letters</i> , 2008, 267, 453-467.	4.4	70
13	Plio-Quaternary uplift of the Manta Peninsula and La Plata Island and the subduction of the Carnegie Ridge, central coast of Ecuador. <i>Journal of South American Earth Sciences</i> , 2006, 22, 1-21.	1.4	67
14	Subducted oceanic relief locks the shallow megathrust in central Ecuador. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3286-3305.	3.4	66
15	Successive, large mass-transport deposits in the south Kermadec forearc basin, New Zealand: The Matakaoa Submarine Instability Complex. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	64
16	Deep structures of the Ecuador convergent margin and the Carnegie Ridge, possible consequence on great earthquakes recurrence interval. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	62
17	Exploring the Ecuador-Colombia Active Margin and Interplate Seismogenic Zone. <i>Eos</i> , 2002, 83, 185.	0.1	55
18	Toward a dynamic concept of the subduction channel at erosive convergent margins with implications for interplate material transfer. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	54

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19	Morphostructure of an incipient subduction zone along a transform plate boundary: Puysegur Ridge and Trench. <i>Geology</i> , 1995, 23, 519.	4.4	52
20	Abrupt strike-slip fault to subduction transition: The Alpine Fault-Puysegur Trench connection, New Zealand. <i>Tectonics</i> , 2000, 19, 688-706.	2.8	50
21	Seamount subduction at the North-Ecuadorian convergent margin: Effects on structures, inter-seismic coupling and seismogenesis. <i>Earth and Planetary Science Letters</i> , 2016, 433, 146-158.	4.4	50
22	Forearc structures and tectonic regimes at the oblique subduction zone between the Hikurangi Plateau and the southern Kermadec margin. <i>Journal of Geophysical Research</i> , 1998, 103, 623-650.	3.3	48
23	From strike-slip faulting to oblique subduction: A survey of the Alpine Fault-Puysegur Trench transition, New Zealand, results of cruise Geodynz-sud leg 2. <i>Marine Geophysical Researches</i> , 1996, 18, 383-399.	1.2	45
24	Formation of forearc basins by collision between seamounts and accretionary wedges: An example from the New Hebrides subduction zone. <i>Geology</i> , 1989, 17, 930.	4.4	43
25	Mass-transport deposits in the northern Ecuador subduction trench: Result of frontal erosion over multiple seismic cycles. <i>Earth and Planetary Science Letters</i> , 2010, 296, 89-102.	4.4	39
26	Geology of the d'Entrecasteaux-New Hebrides arc collision zone: results from a deep submersible survey. <i>Tectonophysics</i> , 1992, 212, 213-241.	2.2	36
27	Fields of multi-kilometer scale sub-circular depressions in the Carnegie Ridge sedimentary blanket: Effect of underwater carbonate dissolution?. <i>Marine Geology</i> , 2005, 216, 205-219.	2.1	32
28	The South Ecuador subduction channel: Evidence for a dynamic mega-shear zone from 2D fine-scale seismic reflection imaging and implications for material transfer. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	32
29	Dynamics of giant mass transport in deep submarine environments: the Matakaoa Debris Flow, New Zealand. <i>Basin Research</i> , 2013, 25, 471-488.	2.7	32
30	Chronostratigraphy and tectonic deformation of the North Ecuadorian-South Colombian offshore Manglares forearc basin. <i>Marine Geology</i> , 2008, 255, 30-44.	2.1	31
31	Late Quaternary geomorphologic evolution of submarine canyons as a marker of active deformation on convergent margins: The example of the South Colombian margin. <i>Marine Geology</i> , 2012, 315-318, 77-97.	2.1	30
32	Thermal segmentation along the N. Ecuador-S. Colombia margin (1°-4°N): Prominent influence of sedimentation rate in the trench. <i>Earth and Planetary Science Letters</i> , 2008, 272, 296-308.	4.4	26
33	The collision zone between the North d'Entrecasteaux Ridge and the New Hebrides Island Arc: 1. Sea Beam morphology and shallow structure. <i>Journal of Geophysical Research</i> , 1991, 96, 4457-4478.	3.3	25
34	Earthquake-triggered deposits in the subduction trench of the north Ecuador/south Colombia margin and their implication for paleoseismology. <i>Marine Geology</i> , 2017, 384, 47-62.	2.1	25
35	The collision zone between the North d'Entrecasteaux Ridge and the New Hebrides Island Arc: 2. Structure from multichannel seismic data. <i>Journal of Geophysical Research</i> , 1991, 96, 4479-4495.	3.3	23
36	Thermal regime from bottom simulating reflectors along the north Ecuador-south Colombia margin: Relation to margin segmentation and great subduction earthquakes. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	23

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37	Subduction of the Bougainville seamount (Vanuatu): mechanical and geodynamic implications. <i>Tectonophysics</i> , 1988, 149, 111-119.	2.2	22
38	Seafloor margin map helps in understanding subduction earthquakes. <i>Eos</i> , 2005, 86, 463.	0.1	22
39	The Rapuhia Scarp (northern Hikurangi Plateau) – its nature and subduction effects on the Kermadec Trench. <i>Tectonophysics</i> , 2000, 328, 269-295.	2.2	21
40	Continental slope reconstruction after a giant mass failure, the example of the Matakaoa Margin, New Zealand. <i>Marine Geology</i> , 2010, 268, 67-84.	2.1	21
41	Joint inversion of multichannel seismic reflection and wide-angle seismic data: Improved imaging and refined velocity model of the crustal structure of the north Ecuador – south Colombia convergent margin. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	20
42	Fracture zone subduction and reactivation across the Puysegur ridge/trench system, southern New Zealand. <i>Journal of Geophysical Research</i> , 1998, 103, 7293-7313.	3.3	18
43	Joint ray + Born least-squares migration and simulated annealing optimization for target-oriented quantitative seismic imaging. <i>Geophysics</i> , 2011, 76, R23-R42.	2.6	16
44	Structure of the Malpelo Ridge (Colombia) from seismic and gravity modelling. <i>Marine Geophysical Researches</i> , 2006, 27, 289-300.	1.2	15
45	Seismological study of the central Ecuadorian margin: Evidence of upper plate deformation. <i>Journal of South American Earth Sciences</i> , 2011, 31, 139-152.	1.4	15
46	Evolution of the Ecuador offshore nonaccretionary-type forearc basin and margin segmentation. <i>Tectonophysics</i> , 2020, 781, 228374.	2.2	15
47	The Esmeraldas Canyon: A Helpful Marker of the Pliocene – Pleistocene Tectonic Deformation of the North Ecuador – Southwest Colombia Convergent Margin. <i>Tectonics</i> , 2019, 38, 3140-3166.	2.8	14
48	Possible causes for structural variation where the New Hebrides island arc and the d'Entrecasteaux zone collide. <i>Geology</i> , 1986, 14, 951.	4.4	13
49	Structure of the collision zone between Bougainville Guyot and the accretionary wedge of the New Hebrides Island Arc, southwest Pacific. <i>Tectonics</i> , 1991, 10, 887-903.	2.8	12
50	Influence of preexisting backstop structure on oblique tectonic accretion: The Fiordland margin (southwestern New Zealand). <i>Geology</i> , 1996, 24, 1045.	4.4	10
51	The tsunami signature on a submerged promontory: the case study of the Atacames Promontory, Ecuador. <i>Geophysical Journal International</i> , 2011, 184, 680-688.	2.4	8
52	Tsunami mapping in the Gulf of Guayaquil, Ecuador, due to local seismicity. <i>Marine Geophysical Researches</i> , 2014, 35, 361-378.	1.2	7
53	Flare-Shaped Acoustic Anomalies in the Water Column Along the Ecuadorian Margin: Relationship with Active Tectonics and Gas Hydrates. <i>Pure and Applied Geophysics</i> , 2016, 173, 3291-3303.	1.9	2
54	Flare-Shaped Acoustic Anomalies in the Water Column Along the Ecuadorian Margin: Relationship with Active Tectonics and Gas Hydrates. <i>Pageoph Topical Volumes</i> , 2016, , 3291-3303.	0.2	0