

Jean-Claude Sibuet

List of Publications by Year in descending order

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88
papers

5,833
citations

101384

36
h-index

74018

75
g-index

89
all docs

89
docs citations

89
times ranked

3204
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive margins: A model of formation. Journal of Geophysical Research, 1981, 86, 3708-3720.	3.3	374
2	Back Arc Extension in the Okinawa Trough. Journal of Geophysical Research, 1987, 92, 14041-14063.	3.3	366
3	Okinawa trough backarc basin: Early tectonic and magmatic evolution. Journal of Geophysical Research, 1998, 103, 30245-30267.	3.3	312
4	Kinematic evolution of the Tethys belt from the Atlantic ocean to the pamirs since the Triassic. Tectonophysics, 1986, 123, 1-35.	0.9	292
5	Pyrenean orogeny and plate kinematics. Journal of Geophysical Research, 2004, 109, .	3.3	269
6	How was Taiwan created?. Tectonophysics, 2004, 379, 159-181.	0.9	244
7	Paleomagnetic implications on the evolution of the tethys belt from the atlantic ocean to the pamirs since the triassic. Tectonophysics, 1986, 123, 37-82.	0.9	215
8	The fit of the continents around the North Atlantic Ocean. Tectonophysics, 1977, 38, 169-209.	0.9	209
9	Geodynamics of the South China Sea. Tectonophysics, 2016, 692, 98-119.	0.9	192
10	Turbidity Currents, Submarine Landslides and the 2006 Pingtung Earthquake off SW Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, 767.	0.3	181
11	East Asia plate tectonics since 15 Ma: constraints from the Taiwan region. Tectonophysics, 2002, 344, 103-134.	0.9	164
12	Deep structure of the West African continental margin (Congo, Zaïre, Angola), between 5°S and 8°S, from reflection/refraction seismics and gravity data. Geophysical Journal International, 2004, 158, 529-553.	1.0	162
13	Exhumed mantle-forming transitional crust in the Newfoundland-Iberia rift and associated magnetic anomalies. Journal of Geophysical Research, 2007, 112, .	3.3	155
14	The ocean-continent boundary off the western continental margin of Iberia: Crustal structure west of Galicia Bank. Journal of Geophysical Research, 1996, 101, 28291-28314.	3.3	148
15	Geodynamics of the Taiwan arc-arc collision. Tectonophysics, 1997, 274, 221-251.	0.9	141
16	Plate kinematic implications of Atlantic equatorial fracture zone trends. Journal of Geophysical Research, 1978, 83, 3401-3421.	3.3	139
17	Western extension of boundary between European and Iberian plates during the Pyrenean orogeny. Earth and Planetary Science Letters, 1971, 12, 83-88.	1.8	116
18	Northeast Atlantic passive continental margins: Rifting and subsidence processes. Maurice Ewing Series, 1979, , 154-186.	0.1	100

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19	Structural and Kinematic Evolutions of the Okinawa Trough Backarc Basin. , 1995, , 343-379.		90
20	26th December 2004 great Sumatraâ€“Andaman earthquake: Co-seismic and post-seismic motions in northern Sumatra. Earth and Planetary Science Letters, 2007, 263, 88-103.	1.8	86
21	New Gravity and Magnetic Anomaly Maps in the Taiwan-Luzon Region and Their Preliminary Interpretation. Terrestrial, Atmospheric and Oceanic Sciences, 1998, 9, 509.	0.3	83
22	Is Taiwan the result of arc-continent or arc-arc collision?. Earth and Planetary Science Letters, 1995, 136, 315-324.	1.8	75
23	Bay of Biscay and Pyrenees. Earth and Planetary Science Letters, 1973, 18, 109-118.	1.8	73
24	New constraints on the formation of the non-volcanic continental Galiciaâ€“Flemish Cap conjugate margins. Journal of the Geological Society, 1992, 149, 829-840.	0.9	69
25	Triple junctions of Bay of Biscay and North Atlantic: New constraints on the kinematic evolution. Geology, 1991, 19, 522.	2.0	68
26	Plate boundaries and extensional tectonics. Tectonophysics, 1982, 81, 239-256.	0.9	67
27	Impact of lower plate structure on upper plate deformation at the NW Sumatran convergent margin from seafloor morphology. Earth and Planetary Science Letters, 2008, 275, 201-210.	1.8	67
28	Plate tectonic reconstructions and paleogeographic maps of the central and North Atlantic oceans¹This article is one of a series of papers published in this CJES Special Issue on the theme of<i>Mesozoicâ€“Cenozoic geology of the Scotian Basin</i>.²Earth Sciences Sector Contribution 20120172.. Canadian Journal of Earth Sciences, 2012, 49, 1395-1415.	0.6	67
29	Crustal structure of the Goban Spur rifted continental margin, Ne Atlantic. Geophysical Journal International, 1994, 119, 1-19.	1.0	65
30	Heat flow anomaly in the middle Okinawa Trough. Tectonophysics, 1989, 159, 307-318.	0.9	58
31	Transition between the Okinawa trough backarc extension and the Taiwan collision: New insights on the southernmost Ryukyu subduction zone. Marine Geophysical Researches, 1996, 18, 163-187.	0.5	57
32	Melting features along the western Ryukyu slab edge (northeast Taiwan): Tomographic evidence. Journal of Geophysical Research, 2004, 109, .	3.3	56
33	Postseafloor Spreading Volcanism in the Central East South China Sea and Its Formation Through an Extremely Thin Oceanic Crust. Geochemistry, Geophysics, Geosystems, 2018, 19, 621-641.	1.0	54
34	Tectonic evolution of the Northeastern South China Sea from seismic interpretation. Journal of Geophysical Research, 2010, 115, .	3.3	52
35	A mega-splay fault system and tsunami hazard in the southern Ryukyu subduction zone. Earth and Planetary Science Letters, 2013, 362, 99-107.	1.8	46
36	Distribution of the East China Sea continental shelf basins and depths of magnetic sources. Earth, Planets and Space, 2005, 57, 1063-1072.	0.9	42

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37	Crustal features of the northeastern South China Sea: insights from seismic and magnetic interpretations. <i>Marine Geophysical Researches</i> , 2012, 33, 307-326.	0.5	41
38	Comments on the Evolution of the North-East Atlantic. <i>Nature</i> , 1971, 233, 257-258.	13.7	37
39	Structure across the northeastern margin of Flemish Cap, offshore Newfoundland from Erable multichannel seismic reflection profiles: evidence for a transtensional rifting environment. <i>Geophysical Journal International</i> , 2010, 183, 572-586.	1.0	34
40	Structure of the southernmost Okinawa Trough from reflection and wide-angle seismic data. <i>Tectonophysics</i> , 2009, 466, 281-288.	0.9	30
41	Thinned continental crust intruded by volcanics beneath the northern Bay of Bengal. <i>Marine and Petroleum Geology</i> , 2016, 77, 471-486.	1.5	30
42	Variations in heat flow across the ocean-continent transition in the Iberia abyssal plain. <i>Earth and Planetary Science Letters</i> , 1997, 151, 233-254.	1.8	28
43	Bathymetric map of the NE Atlantic Ocean and Bay of Biscay: kinematic implications. <i>Bulletin - Societie Geologique De France</i> , 2004, 175, 429-442.	0.9	28
44	Melting features along the Ryukyu slab tear, beneath the southwestern Okinawa Trough. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	28
45	Thickness of lithosphere deduced from gravity edge effects across the Mendocino Fault. <i>Nature</i> , 1974, 252, 676-679.	13.7	27
46	The geodynamic province of transitional lithosphere adjacent to magma-poor continental margins. <i>Geological Society Special Publication</i> , 2013, 369, 429-452.	0.8	27
47	Problematic plate reconstruction. <i>Nature Geoscience</i> , 2012, 5, 676-677.	5.4	26
48	Spatial aftershock distribution of the 26 December 2004 great Sumatra-Andaman earthquake in the northern Sumatra area. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	25
49	Crustal structure across the post-spreading magmatic ridge of the East Sub-basin in the South China Sea: Tectonic significance. <i>Journal of Asian Earth Sciences</i> , 2016, 121, 139-152.	1.0	25
50	Geophysical constraints on the lithospheric structure in the northeastern South China Sea and its implications for the South China Sea geodynamics. <i>Tectonophysics</i> , 2018, 742-743, 101-119.	0.9	25
51	Constraints on Rifting Processes from Refraction and Deep-Tow Magnetic Data: The Example of the Galicia Continental Margin (West Iberia)., 1995, , 197-217.		25
52	Could a Sumatra-like megathrust earthquake occur in the south Ryukyu subduction zone?. <i>Earth, Planets and Space</i> , 2014, 66, .	0.9	24
53	Gravimetric model of the Atlantic equatorial fracture zones. <i>Journal of Geophysical Research</i> , 1980, 85, 943-954.	3.3	22
54	Formation of non-volcanic passive margins: A composite model applies to the conjugate Galicia and southeastern Flemish cap margins. <i>Geophysical Research Letters</i> , 1992, 19, 769-772.	1.5	22

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55	Post-rift magmatism on the northern South China Sea margin. Bulletin of the Geological Society of America, 2020, 132, 2382-2396.	1.6	21
56	New pole for early opening of South Atlantic. Nature, 1974, 252, 464-465.	13.7	20
57	Geodynamic context of the Taiwan orogen. Geophysical Monograph Series, 2004, , 127-158.	0.1	20
58	Intermingled fates of the South China Sea and Philippine Sea plate. National Science Review, 2019, 6, 886-890.	4.6	20
59	Crustal structure of the Celtic Sea and western approaches from gravity data and deep seismic profiles: Constraints on the formation of continental basins. Journal of Geophysical Research, 1990, 95, 10999-11020.	3.3	19
60	Structure et Évolution récente de l'Éventail turbiditique du Zaïre: premiers résultats scientifiques des missions d'exploration Zaïre 1 & 2 (marge Congo-Angola). Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes =, 2000, 331, 211-220.	0.2	19
61	Continental-Ocean Transition of the Northern South China Sea and off Southwestern Taiwan. Marine Geophysical Researches, 2004, 25, 1-4.	0.5	17
62	Deep sea in situ excess pore pressure and sediment deformation off NW Sumatra and its relation with the December 26, 2004 Great Sumatra-Andaman Earthquake. International Journal of Earth Sciences, 2009, 98, 823-837.	0.9	17
63	Structure and evolution of the Atlantic passive margins: A review of existing rifting models from wide-angle seismic data and kinematic reconstruction. Marine and Petroleum Geology, 2021, 126, 104898.	1.5	15
64	Tectonic implications of canyon directions over the Northeast Atlantic Continental Margin. Tectonics, 1986, 5, 1125-1143.	1.3	14
65	3D seismic structure of the Zhenbei-Huangyan seamounts chain in the East Subbasin of the South China Sea and its mechanism of formation. Geological Journal, 2016, 51, 448-463.	0.6	14
66	Structure of the northern Bay of Bengal offshore Bangladesh: Evidences from new multi-channel seismic data. Marine and Petroleum Geology, 2017, 84, 64-75.	1.5	14
67	Geodynamic and plate kinematic context of South China Sea subduction during Okinawa trough opening and Taiwan orogeny. Tectonophysics, 2021, 817, 229050.	0.9	13
68	Paleoconstraints during rifting of the northeast Atlantic passive margins. Journal of Geophysical Research, 1989, 94, 7265-7277.	3.3	12
69	Structure and development of the southeast Newfoundland continental passive margin: derived from SCREECH Transect 3. Geophysical Journal International, 2009, 178, 1004-1020.	1.0	12
70	Deep structure of the Celtic Sea: a discussion on the formation of basins. Tectonophysics, 1990, 173, 435-444.	0.9	11
71	Pasisar: Performances of a High and Very High Resolution Hybrid Deep-Towed Seismic Device. Marine Geophysical Researches, 1997, 19, 379-395.	0.5	11
72	Tectonic Significance of the Taitung Canyon, Huatung Basin, East of Taiwan. Marine Geophysical Researches, 2004, 25, 95-107.	0.5	11

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73	Spatial variations in the frequency-magnitude distribution of earthquakes in the southwestern Okinawa Trough. <i>Earth, Planets and Space</i> , 2007, 59, 221-225.	0.9	11
74	Microseismicity and faulting in the southwestern Okinawa Trough. <i>Tectonophysics</i> , 2009, 466, 268-280.	0.9	11
75	Earthquake off Japan could generate strong tsunami arrays. <i>Eos</i> , 2005, 86, 169.	0.1	10
76	South Armorican shear zone and continental fit before the opening of the Bay of Biscay. <i>Earth and Planetary Science Letters</i> , 1973, 18, 153-157.	1.8	8
77	Rifting consequences of three plate separation. <i>Geophysical Research Letters</i> , 1994, 21, 521-524.	1.5	8
78	Plate tearing in the northwestern corner of the subducting Philippine Sea Plate. <i>Journal of Asian Earth Sciences</i> , 2013, 70-71, 1-7.	1.0	8
79	The Neo-Tectonic Structure of the Southwestern Tip of the Okinawa Trough. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 749.	0.3	7
80	Isostatic response of the large-offset Atlantic Equatorial fracture zones. <i>Marine Geophysical Researches</i> , 1986, 8, 243-264.	0.5	6
81	Thinning of the Goban Spur continental margin and formation of early oceanic crust: constraints from forward modelling and inversion of marine magnetic anomalies. <i>Geophysical Journal International</i> , 1997, 128, 188-196.	1.0	6
82	Reply to the comment of Talwani et al. (2017) on the Sibuet et al. (2016) paper entitled "Thinned continental crust intruded by volcanics beneath the northern Bay of Bengal". <i>Marine and Petroleum Geology</i> , 2017, 88, 1126-1129.	1.5	6
83	Variations of b-values at the western edge of the Ryukyu Subduction Zone, north-east Taiwan. <i>Terra Nova</i> , 2008, 20, 150-153.	0.9	5
84	Partition between collision and subduction accretionary prisms along an inherited transcurrent fault zone: New insights on the Taiwan fold and thrust belt. <i>Tectonics</i> , 1999, 18, 546-558.	1.3	4
85	Oceanic mantle reflections in deep seismic profiles offshore Sumatra are faults or fakes. <i>Scientific Reports</i> , 2019, 9, 13354.	1.6	2
86	Galicia Continental Margin: Constraints on Formation of Nonvolcanic Passive Margins. , 1992, , 3-19.		2
87	The South China Sea oceanic domain at the end of spreading. <i>Acta Geologica Sinica</i> , 2019, 93, 90-91.	0.8	0
88	Sismicité et volcanisme dans le Sud-Ouest du bassin arrière-arc de l'Okinawa (Nord-Est Taiwan). <i>Bulletin - Société Géologique De France</i> , 2009, 180, 155-170.	0.9	0