

# Jean-Claude Sibuet

## List of Publications by Citations

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88  
papers

4,940<sup>0</sup>  
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34  
h-index

69  
g-index

89  
ext. papers

5,321  
ext. citations

5.3  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
88	Passive margins: A model of formation. <i>Journal of Geophysical Research</i> , <b>1981</b> , 86, 3708		341
87	Back Arc Extension in the Okinawa Trough. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 14041-14063		304
86	Kinematic evolution of the Tethys belt from the Atlantic ocean to the pamirs since the Triassic. <i>Tectonophysics</i> , <b>1986</b> , 123, 1-35	3.1	266
85	Okinawa trough backarc basin: Early tectonic and magmatic evolution. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 30245-30267		242
84	Pyrenean orogeny and plate kinematics. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		236
83	How was Taiwan created?. <i>Tectonophysics</i> , <b>2004</b> , 379, 159-181	3.1	203
82	Paleomagnetic implications on the evolution of the tethys belt from the atlantic ocean to the pamirs since the triassic. <i>Tectonophysics</i> , <b>1986</b> , 123, 37-82	3.1	203
81	The fit of the continents around the North Atlantic Ocean. <i>Tectonophysics</i> , <b>1977</b> , 38, 169-209	3.1	186
80	Deep structure of the West African continental margin (Congo, Zaïre, Angola), between 5°S and 8°S, from reflection/refraction seismics and gravity data. <i>Geophysical Journal International</i> , <b>2004</b> , 158, 529-553 <sup>2,6</sup>		143
79	East Asia plate tectonics since 15 Ma: constraints from the Taiwan region. <i>Tectonophysics</i> , <b>2002</b> , 344, 103-134	3.1	141
78	Exhumed mantle-forming transitional crust in the Newfoundland-Iberia rift and associated magnetic anomalies. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		140
77	The ocean-continent boundary off the western continental margin of Iberia: Crustal structure west of Galicia Bank. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 28291-28314		138
76	Turbidity Currents, Submarine Landslides and the 2006 Pingtung Earthquake off SW Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2008</b> , 19, 767	1.8	134
75	Geodynamics of the South China Sea. <i>Tectonophysics</i> , <b>2016</b> , 692, 98-119	3.1	132
74	Geodynamics of the Taiwan arc-arc collision. <i>Tectonophysics</i> , <b>1997</b> , 274, 221-251	3.1	121
73	Plate kinematic implications of Atlantic equatorial fracture zone trends. <i>Journal of Geophysical Research</i> , <b>1978</b> , 83, 3401-3421		120
72	Western extension of boundary between European and Iberian plates during the Pyrenean orogeny. <i>Earth and Planetary Science Letters</i> , <b>1971</b> , 12, 83-88	5.3	106

71	Northeast Atlantic passive continental margins: Rifting and subsidence processes. <i>Maurice Ewing Series</i> , <b>1979</b> , 154-186		87
70	26th December 2004 great Sumatra-Andaman earthquake: Co-seismic and post-seismic motions in northern Sumatra. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 263, 88-103	5.3	79
69	New Gravity and Magnetic Anomaly Maps in the Taiwan-Luzon Region and Their Preliminary Interpretation. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>1998</b> , 9, 509	1.8	71
68	Structural and Kinematic Evolutions of the Okinawa Trough Backarc Basin <b>1995</b> , 343-379		70
67	Is Taiwan the result of arc-continent or arc-arc collision?. <i>Earth and Planetary Science Letters</i> , <b>1995</b> , 136, 315-324	5.3	68
66	Bay of Biscay and Pyrenees. <i>Earth and Planetary Science Letters</i> , <b>1973</b> , 18, 109-118	5.3	65
65	Crustal structure of the Goban Spur rifted continental margin, Ne Atlantic. <i>Geophysical Journal International</i> , <b>1994</b> , 119, 1-19	2.6	62
64	Plate boundaries and extensional tectonics. <i>Tectonophysics</i> , <b>1982</b> , 81, 239-256	3.1	61
63	New constraints on the formation of the non-volcanic continental Galicia-Iberian Cap conjugate margins. <i>Journal of the Geological Society</i> , <b>1992</b> , 149, 829-840	2.7	60
62	Triple junctions of Bay of Biscay and North Atlantic: New constraints on the kinematic evolution. <i>Geology</i> , <b>1991</b> , 19, 522	5	59
61	Impact of lower plate structure on upper plate deformation at the NW Sumatran convergent margin from seafloor morphology. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 275, 201-210	5.3	57
60	Plate tectonic reconstructions and paleogeographic maps of the central and North Atlantic oceans 1This article is one of a series of papers published in this CJES Special Issue on the theme of Mesozoic-Cenozoic geology of the Scotian Basin. 2Earth Sciences Sector Contribution 20120172.. <i>Canadian Journal of Earth Sciences</i> , <b>2012</b> , 49, 1205-1215	1.5	54
59	Transition between the Okinawa trough backarc extension and the Taiwan collision: New insights on the southernmost Ryukyu subduction zone. <i>Marine Geophysical Researches</i> , <b>1996</b> , 18, 163-187	2.3	54
58	Heat flow anomaly in the middle Okinawa Trough. <i>Tectonophysics</i> , <b>1989</b> , 159, 307-318	3.1	50
57	Melting features along the western Ryukyu slab edge (northeast Taiwan): Tomographic evidence. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		46
56	Tectonic evolution of the Northeastern South China Sea from seismic interpretation. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		45
55	A mega-splay fault system and tsunami hazard in the southern Ryukyu subduction zone. <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 362, 99-107	5.3	38
54	Comments on the evolution of the north-East atlantic. <i>Nature</i> , <b>1971</b> , 233, 257-8	50.4	34

53	Distribution of the East China Sea continental shelf basins and depths of magnetic sources. <i>Earth, Planets and Space</i> , <b>2005</b> , 57, 1063-1072	2.9	33
52	Postseafloor Spreading Volcanism in the Central East South China Sea and Its Formation Through an Extremely Thin Oceanic Crust. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 621-641	3.6	32
51	Crustal features of the northeastern South China Sea: insights from seismic and magnetic interpretations. <i>Marine Geophysical Researches</i> , <b>2012</b> , 33, 307-326	2.3	32
50	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> , <b>2010</b> , 183, 572-586	2.6	29
49	Bathymetric map of the NE Atlantic Ocean and Bay of Biscay: kinematic implications. <i>Bulletin - Societe Geologique De France</i> , <b>2004</b> , 175, 429-442	2.3	27
48	Structure of the southernmost Okinawa Trough from reflection and wide-angle seismic data. <i>Tectonophysics</i> , <b>2009</b> , 466, 281-288	3.1	25
47	The geodynamic province of transitional lithosphere adjacent to magma-poor continental margins. <i>Geological Society Special Publication</i> , <b>2013</b> , 369, 429-452	1.7	24
46	Variations in heat flow across the ocean-continent transition in the Iberia abyssal plain. <i>Earth and Planetary Science Letters</i> , <b>1997</b> , 151, 233-254	5.3	24
45	Thinned continental crust intruded by volcanics beneath the northern Bay of Bengal. <i>Marine and Petroleum Geology</i> , <b>2016</b> , 77, 471-486	4.7	24
44	Problematic plate reconstruction. <i>Nature Geoscience</i> , <b>2012</b> , 5, 676-677	18.3	23
43	Thickness of lithosphere deduced from gravity edge effects across the Mendocino Fault. <i>Nature</i> , <b>1974</b> , 252, 676-679	50.4	23
42	Spatial aftershock distribution of the 26 December 2004 great Sumatra-Andaman earthquake in the northern Sumatra area. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2009</b> , 10, n/a-n/a	3.6	21
41	Formation of non-volcanic passive margins: A composite model applies to the conjugate Galicia and southeastern Flemish cap margins. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 769-772	4.9	21
40	Constraints on Rifting Processes from Refraction and Deep-Tow Magnetic Data: The Example of the Galicia Continental Margin (West Iberia) <b>1995</b> , 197-217		21
39	Could a Sumatra-like megathrust earthquake occur in the south Ryukyu subduction zone?. <i>Earth, Planets and Space</i> , <b>2014</b> , 66,	2.9	20
38	Melting features along the Ryukyu slab tear, beneath the southwestern Okinawa Trough. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	20
37	Gravimetric model of the Atlantic equatorial fracture zones. <i>Journal of Geophysical Research</i> , <b>1980</b> , 85, 943		20
36	Crustal structure of the Celtic Sea and western approaches from gravity data and deep seismic profiles: Constraints on the formation of continental basins. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 10999		18

35	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> , <b>2016</b> , 121, 139-152	2.8	16
34	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. <i>International Journal of Earth Sciences</i> , <b>2009</b> , 98, 823-837	2.2	15
33	Continental-Ocean Transition of the Northern South China Sea and off Southwestern Taiwan. <i>Marine Geophysical Researches</i> , <b>2004</b> , 25, 1-4	2.3	14
32	Geodynamic Context of the Taiwan Orogen. <i>Geophysical Monograph Series</i> , <b>2004</b> , 127-158	1.1	14
31	Tectonic implications of canyon directions over the Northeast Atlantic Continental Margin. <i>Tectonics</i> , <b>1986</b> , 5, 1125-1143	4.3	14
30	New pole for early opening of South Atlantic. <i>Nature</i> , <b>1974</b> , 252, 464-465	50.4	14
29	Geophysical constraints on the lithospheric structure in the northeastern South China Sea and its implications for the South China Sea geodynamics. <i>Tectonophysics</i> , <b>2018</b> , 742-743, 101-119	3.1	12
28	Paleoconstraints during rifting of the northeast Atlantic passive margins. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 7265		12
27	Tectonic Significance of the Taitung Canyon, Huatung Basin, East of Taiwan. <i>Marine Geophysical Researches</i> , <b>2004</b> , 25, 95-107	2.3	11
26	Structure et Évolution récente de l'entail turbiditique du Zaïre: premiers résultats scientifiques des missions d'exploration Zaïngo1 & 2 (marge Congo-Angola). <i>Comptes Rendus De L'Académie Des Sciences Earth &amp; Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , <b>2000</b> , 331, 211-220		11
25	Deep structure of the Celtic Sea: a discussion on the formation of basins. <i>Tectonophysics</i> , <b>1990</b> , 173, 435-444	3.44	11
24	Structure of the northern Bay of Bengal offshore Bangladesh: Evidences from new multi-channel seismic data. <i>Marine and Petroleum Geology</i> , <b>2017</b> , 84, 64-75	4.7	10
23	3D seismic structure of the Zhenbei-Huangyan seamounts chain in the East Sub-basin of the South China Sea and its mechanism of formation. <i>Geological Journal</i> , <b>2016</b> , 51, 448-463	1.7	10
22	Intermingled fates of the South China Sea and Philippine Sea plate. <i>National Science Review</i> , <b>2019</b> , 6, 886-890	10.8	10
21	Structure and development of the southeast Newfoundland continental passive margin: derived from SCREECH Transect 3. <i>Geophysical Journal International</i> , <b>2009</b> , 178, 1004-1020	2.6	10
20	Microseismicity and faulting in the southwestern Okinawa Trough. <i>Tectonophysics</i> , <b>2009</b> , 466, 268-280	3.1	10
19	Spatial variations in the frequency-magnitude distribution of earthquakes in the southwestern Okinawa Trough. <i>Earth, Planets and Space</i> , <b>2007</b> , 59, 221-225	2.9	9
18	Plate tearing in the northwestern corner of the subducting Philippine Sea Plate. <i>Journal of Asian Earth Sciences</i> , <b>2013</b> , 70-71, 1-7	2.8	8

17	Pasisar: Performances of a High and Very High Resolution Hybrid Deep-Towed Seismic Device. <i>Marine Geophysical Researches</i> , <b>1997</b> , 19, 379-395	2.3	8
16	South Armorican shear zone and continental fit before the opening of the Bay of Biscay. <i>Earth and Planetary Science Letters</i> , <b>1973</b> , 18, 153-157	5.3	8
15	Post-rift magmatism on the northern South China Sea margin. <i>Bulletin of the Geological Society of America</i> , <b>2020</b> , 132, 2382-2396	3.9	7
14	Earthquake off Japan could generate strong tsunami arrays. <i>Eos</i> , <b>2005</b> , 86, 169	1.5	7
13	Structure and evolution of the Atlantic passive margins: A review of existing rifting models from wide-angle seismic data and kinematic reconstruction. <i>Marine and Petroleum Geology</i> , <b>2021</b> , 126, 104898	4.7	7
12	The Neo-Tectonic Structure of the Southwestern Tip of the Okinawa Trough. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2009</b> , 20, 749	1.8	6
11	Isostatic response of the large-offset Atlantic Equatorial fracture zones. <i>Marine Geophysical Researches</i> , <b>1986</b> , 8, 243-264	2.3	6
10	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> , <b>1997</b> , 128, 188-196	2.6	5
9	Variations of b-values at the western edge of the Ryukyu Subduction Zone, north-east Taiwan. <i>Terra Nova</i> , <b>2008</b> , 20, 150-153	3	5
8	Rifting consequences of three plate separation. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 521-524	4.9	5
7	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> , <b>2017</b> , 88, 1126-1129	4.7	4
6	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> , <b>1999</b> , 18, 546-558	4.3	4
5	Galicia Continental Margin: Constraints on Formation of Nonvolcanic Passive Margins <b>1992</b> , 3-19		2
4	Oceanic mantle reflections in deep seismic profiles offshore Sumatra are faults or fakes. <i>Scientific Reports</i> , <b>2019</b> , 9, 13354	4.9	1
3	Geodynamic and plate kinematic context of South China Sea subduction during Okinawa trough opening and Taiwan orogeny. <i>Tectonophysics</i> , <b>2021</b> , 817, 229050	3.1	0
2	The South China Sea oceanic domain at the end of spreading. <i>Acta Geologica Sinica</i> , <b>2019</b> , 93, 90-91	0.7	
1	Sismicite et volcanisme dans le Sud-Ouest du bassin arrie re-arc d'Okinawa (Nord-Est Taiwan). <i>Bulletin - Societe Geologique De France</i> , <b>2009</b> , 180, 155-170	2.3	