Jean-Claude Sibuet

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	4,940 citations	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	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	4.7	7
87	Geodynamic and plate kinematic context of South China Sea subduction during Okinawa trough opening and Taiwan orogeny. *Tectonophysics*, **2021**, 817, 229050	3.1	0
86	Post-rift magmatism on the northern South China Sea margin. *Bulletin of the Geological Society of America*, **2020**, 132, 2382-2396	3.9	7
85	Oceanic mantle reflections in deep seismic profiles offshore Sumatra are faults or fakes. *Scientific Reports*, **2019**, 9, 13354	4.9	1
84	The South China Sea oceanic domain at the end of spreading. *Acta Geologica Sinica*, **2019**, 93, 90-91	0.7	
83	Intermingled fates of the South China Sea and Philippine Sea plate. *National Science Review*, **2019**, 6, 886-890	10.8	10
82	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	3.6	32
81	Geophysical constraints on the lithospheric structure in the northeastern South China Sea and its implications for the South China Sea geodynamics. *Tectonophysics*, **2018**, 742-743, 101-119	3.1	12
80	Structure of the northern Bay of Bengal offshore Bangladesh: Evidences from new multi-channel seismic data. *Marine and Petroleum Geology*, **2017**, 84, 64-75	4.7	10
79	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 *Marine and Petroleum Geology*, **2017**, 88, 1126-1129	4.7	4
78	3D seismic structure of the Zhenbei Huangyan seamounts chain in the East Sub-basin of the South China Sea and its mechanism of formation. *Geological Journal*, **2016**, 51, 448-463	1.7	10
77	Crustal structure across the post-spreading magmatic ridge of the East Sub-basin in the South China Sea: Tectonic significance. *Journal of Asian Earth Sciences*, **2016**, 121, 139-152	2.8	16
76	Geodynamics of the South China Sea. *Tectonophysics*, **2016**, 692, 98-119	3.1	132
75	Thinned continental crust intruded by volcanics beneath the northern Bay of Bengal. *Marine and Petroleum Geology*, **2016**, 77, 471-486	4.7	24
74	Could a Sumatra-like megathrust earthquake occur in the south Ryukyu subduction zone?. *Earth, Planets and Space*, **2014**, 66,	2.9	20
73	Plate tearing in the northwestern corner of the subducting Philippine Sea Plate. *Journal of Asian Earth Sciences*, **2013**, 70-71, 1-7	2.8	8
72	A mega-splay fault system and tsunami hazard in the southern Ryukyu subduction zone. *Earth and Planetary Science Letters*, **2013**, 362, 99-107	5.3	38

71	The geodynamic province of transitional lithosphere adjacent to magma-poor continental margins. *Geological Society Special Publication*, **2013**, 369, 429-452	1.7	24
70	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.. *Canadian Journal of Earth Sciences*, **2012**, 49, 1395-1415	1.5	54
69	Crustal features of the northeastern South China Sea: insights from seismic and magnetic interpretations. *Marine Geophysical Researches*, **2012**, 33, 307-326	2.3	32
68	Problematic plate reconstruction. *Nature Geoscience*, **2012**, 5, 676-677	18.3	23
67	Structure across the northeastern margin of Flemish Cap, offshore Newfoundland from Erable multichannel seismic reflection profiles: evidence for a transtensional rifting environment. *Geophysical Journal International*, **2010**, 183, 572-586	2.6	29
66	Tectonic evolution of the Northeastern South China Sea from seismic interpretation. *Journal of Geophysical Research*, **2010**, 115,		45
65	The Neo-Tectonic Structure of the Southwestern Tip of the Okinawa Trough. *Terrestrial, Atmospheric and Oceanic Sciences*, **2009**, 20, 749	1.8	6
64	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	2.2	15
63	Structure and development of the southeast Newfoundland continental passive margin: derived from SCREECH Transect 3. *Geophysical Journal International*, **2009**, 178, 1004-1020	2.6	10
62	Microseismicity and faulting in the southwestern Okinawa Trough. *Tectonophysics*, **2009**, 466, 268-280	3.1	10
61	Structure of the southernmost Okinawa Trough from reflection and wide-angle seismic data. *Tectonophysics*, **2009**, 466, 281-288	3.1	25
60	Spatial aftershock distribution of the 26 December 2004 great Sumatra-Andaman earthquake in the northern Sumatra area. *Geochemistry, Geophysics, Geosystems*, **2009**, 10, n/a-n/a	3.6	21
59	Sismicite et volcanisme dans le Sud-Ouest du bassin arrie re-arc d Okinawa (Nord-Est Taiwan). *Bulletin - Societie Geologique De France*, **2009**, 180, 155-170	2.3	
58	Variations of b-values at the western edge of the Ryukyu Subduction Zone, north-east Taiwan. *Terra Nova*, **2008**, 20, 150-153	3	5
57	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	5.3	57
56	Turbidity Currents, Submarine Landslides and the 2006 Pingtung Earthquake off SW Taiwan. *Terrestrial, Atmospheric and Oceanic Sciences*, **2008**, 19, 767	1.8	134
55	Spatial variations in the frequency-magnitude distribution of earthquakes in the southwestern Okinawa Trough. *Earth, Planets and Space*, **2007**, 59, 221-225	2.9	9
54	Exhumed mantle-forming transitional crust in the Newfoundland-Iberia rift and associated magnetic anomalies. *Journal of Geophysical Research*, **2007**, 112,		140

53	26th December 2004 great Sumatra–Andaman earthquake: Co-seismic and post-seismic motions in northern Sumatra. *Earth and Planetary Science Letters*, **2007**, 263, 88-103	5.3	79
52	Distribution of the East China Sea continental shelf basins and depths of magnetic sources. *Earth, Planets and Space*, **2005**, 57, 1063-1072	2.9	33
51	Earthquake off Japan could generate strong tsunami arrays. *Eos*, **2005**, 86, 169	1.5	7
50	Bathymetric map of the NE Atlantic Ocean and Bay of Biscay: kinematic implications. *Bulletin - Societie Geologique De France*, **2004**, 175, 429-442	2.3	27
49	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	2.6	143
48	Continent–Ocean Transition of the Northern South China Sea and off Southwestern Taiwan. *Marine Geophysical Researches*, **2004**, 25, 1-4	2.3	14
47	Tectonic Significance of the Taitung Canyon, Huatung Basin, East of Taiwan. *Marine Geophysical Researches*, **2004**, 25, 95-107	2.3	11
46	Pyrenean orogeny and plate kinematics. *Journal of Geophysical Research*, **2004**, 109,		236
45	Melting features along the Ryukyu slab tear, beneath the southwestern Okinawa Trough. *Geophysical Research Letters*, **2004**, 31,	4.9	20
44	Melting features along the western Ryukyu slab edge (northeast Taiwan): Tomographic evidence. *Journal of Geophysical Research*, **2004**, 109,		46
43	Geodynamic Context of the Taiwan Orogen. *Geophysical Monograph Series*, **2004**, 127-158	1.1	14
42	How was Taiwan created?. *Tectonophysics*, **2004**, 379, 159-181	3.1	203
41	East Asia plate tectonics since 15 Ma: constraints from the Taiwan region. *Tectonophysics*, **2002**, 344, 103-134	3.1	141
40	Structure et évolution récente de l'éventail turbiditique du Zaïre: premiers résultats scientifiques des missions d'exploration Zaïango1 & 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		11
39	Partition between collision and subduction accretionary prisms along an inherited transcurrent fault zone: New insights on the Taiwan fold and thrust belt. *Tectonics*, **1999**, 18, 546-558	4.3	4
38	Okinawa trough backarc basin: Early tectonic and magmatic evolution. *Journal of Geophysical Research*, **1998**, 103, 30245-30267		242
37	New Gravity and Magnetic Anomaly Maps in the Taiwan-Luzon Region and Their Preliminary Interpretation. *Terrestrial, Atmospheric and Oceanic Sciences*, **1998**, 9, 509	1.8	71
36	Geodynamics of the Taiwan arc-arc collision. *Tectonophysics*, **1997**, 274, 221-251	3.1	121

35	Variations in heat flow across the ocean□continent transition in the Iberia abyssal plain. *Earth and Planetary Science Letters*, **1997**, 151, 233-254	5.3	24
34	Thinning of the Goban Spur continental margin and formation of early oceanic crust: constraints from forward modelling and inversion of marine magnetic anomalies. *Geophysical Journal International*, **1997**, 128, 188-196	2.6	5
33	Pasisar: Performances of a High and Very High Resolution Hybrid Deep-Towed Seismic Device. *Marine Geophysical Researches*, **1997**, 19, 379-395	2.3	8
32	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		138
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	2.3	54
30	Is Taiwan the result of arc-continent or arc-arc collision?. *Earth and Planetary Science Letters*, **1995**, 136, 315-324	5.3	68
29	Constraints on Rifting Processes from Refraction and Deep-Tow Magnetic Data: The Example of the Galicia Continental Margin (West Iberia) **1995**, 197-217		21
28	Structural and Kinematic Evolutions of the Okinawa Trough Backarc Basin **1995**, 343-379		70
27	Crustal structure of the Goban Spur rifted continental margin, Ne Atlantic. *Geophysical Journal International*, **1994**, 119, 1-19	2.6	62
26	Rifting consequences of three plate separation. *Geophysical Research Letters*, **1994**, 21, 521-524	4.9	5
25	New constraints on the formation of the non-volcanic continental Galicia□Flemish Cap conjugate margins. *Journal of the Geological Society*, **1992**, 149, 829-840	2.7	60
24	Formation of non-volcanic passive margins: A composite model applies to the conjugate Galicia and southeastern Flemish cap margins. *Geophysical Research Letters*, **1992**, 19, 769-772	4.9	21
23	Galicia Continental Margin: Constraints on Formation of Nonvolcanic Passive Margins **1992**, 3-19		2
22	Triple junctions of Bay of Biscay and North Atlantic: New constraints on the kinematic evolution. *Geology*, **1991**, 19, 522	5	59
21	Deep structure of the Celtic Sea: a discussion on the formation of basins. *Tectonophysics*, **1990**, 173, 435-444	3.1	11
20	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		18
19	Heat flow anomaly in the middle Okinawa Trough. *Tectonophysics*, **1989**, 159, 307-318	3.1	50
18	Paleoconstraints during rifting of the northeast Atlantic passive margins. *Journal of Geophysical Research*, **1989**, 94, 7265		12

17	Back Arc Extension in the Okinawa Trough. *Journal of Geophysical Research*, **1987**, 92, 14041-14063		304
16	Isostatic response of the large-offset Atlantic Equatorial fracture zones. *Marine Geophysical Researches*, **1986**, 8, 243-264	2.3	6
15	Tectonic implications of canyon directions over the Northeast Atlantic Continental Margin. *Tectonics*, **1986**, 5, 1125-1143	4.3	14
14	Kinematic evolution of the Tethys belt from the Atlantic ocean to the pamirs since the Triassic. *Tectonophysics*, **1986**, 123, 1-35	3.1	266
13	Paleomagnetic implications on the evolution of the tethys belt from the atlantic ocean to the pamirs since the triassic. *Tectonophysics*, **1986**, 123, 37-82	3.1	203
12	Plate boundaries and extensional tectonics. *Tectonophysics*, **1982**, 81, 239-256	3.1	61
11	Passive margins: A model of formation. *Journal of Geophysical Research*, **1981**, 86, 3708		341
10	Gravimetric model of the Atlantic equatorial fracture zones. *Journal of Geophysical Research*, **1980**, 85, 943		20
9	Northeast Atlantic passive continental margins: Rifting and subsidence processes. *Maurice Ewing Series*, **1979**, 154-186		87
8	Plate kinematic implications of Atlantic equatorial fracture zone trends. *Journal of Geophysical Research*, **1978**, 83, 3401-3421		120
7	The fit of the continents around the North Atlantic Ocean. *Tectonophysics*, **1977**, 38, 169-209	3.1	186
6	New pole for early opening of South Atlantic. *Nature*, **1974**, 252, 464-465	50.4	14
5	Thickness of lithosphere deduced from gravity edge effects across the Mendocino Fault. *Nature*, **1974**, 252, 676-679	50.4	23
4	Bay of Biscay and Pyrenees. *Earth and Planetary Science Letters*, **1973**, 18, 109-118	5.3	65
3	South Armorican shear zone and continental fit before the opening of the Bay of Biscay. *Earth and Planetary Science Letters*, **1973**, 18, 153-157	5.3	8
2	Western extension of boundary between European and Iberian plates during the Pyrenean orogeny. *Earth and Planetary Science Letters*, **1971**, 12, 83-88	5.3	106
1	Comments on the evolution of the north-East atlantic. *Nature*, **1971**, 233, 257-8	50.4	34