Brian Taylor

List of Publications by Year
in descending order

54 papers	5,468 citations	101543 36 h-index	168389 53 g-index
55 all docs	55 docs citations	55 times ranked	3413 citing authors

#	Article	IF	Citations
1	Tectonics of the Papuaâ€Woodlark Region. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009209.	2.5	10
2	Ridge jump reorientation of the South China Sea revealed by highâ€resolution magnetic data. Terra Nova, 2021, 33, 475-482.	2.1	7
3	Itina Trough and Other SW Pacific Examples of Rifting Across Former Subduction/Collision Zones. Geophysical Research Letters, 2021, 48, e2020GL092286.	4.0	2
4	Shoreline Slope Breaks Revise Understanding of Hawaiian Shield Volcanoes Evolution. Geochemistry, Geophysics, Geosystems, 2019, 20, 4025-4045.	2.5	11
5	The Seagoing Scientist's Toolbox: Integrated Methods for Quality Control of Marine Geophysical Data at Sea. Geochemistry, Geophysics, Geosystems, 2019, 20, 5415-5424.	2.5	2
6	Tectonic Reconstruction of the Ellice Basin. Tectonics, 2019, 38, 3854-3865.	2.8	5
7	Producing marine geophysical archive files from raw underway data. Computers and Geosciences, 2019, 133, 104321.	4.2	2
8	Rapid spatiotemporal variations in rift structure during development of the Corinth Rift, central Greece. Tectonics, 2016, 35, 1225-1248.	2.8	91
9	A lowâ€relief shield volcano origin for the South Kauaâ€˜i Swell. Geochemistry, Geophysics, Geosystems, 2013, 14, 2328-2348.	2.5	7
10	Intrusive dike complexes, cumulate cores, and the extrusive growth of Hawaiian volcanoes. Geophysical Research Letters, 2013, 40, 3367-3373.	4.0	40
11	Reconstructing Ontong Java Nui: Implications for Pacific absolute plate motion, hotspot drift and true polar wander. Earth and Planetary Science Letters, 2012, 331-332, 140-151.	4.4	87
12	The structures, stratigraphy and evolution of the Gulf of Corinth rift, Greece. Geophysical Journal International, 2011, 185, 1189-1219.	2.4	81
13	Initiation of transform faults at rifted continental margins. Comptes Rendus - Geoscience, 2009, 341, 428-438.	1.2	84
14	Widespread Secondary Volcanism Near Northern Hawaiian Islands. Eos, 2008, 89, 542-543.	0.1	9
15	A seismic stratigraphic analysis of Mariana forearc basin evolution. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	16
16	Abundant hydrothermal venting along melt-rich and melt-free ridge segments in the Lau back-arc basin. Geophysical Research Letters, 2006, 33, .	4.0	40
17	Modes of crustal accretion in back-arc basins: Inferences from the Lau Basin. Geophysical Monograph Series, 2006, , 5-30.	0.1	26
18	Opposing trends in crustal thickness and spreading rate along the back-arc Eastern Lau Spreading Center: Implications for controls on ridge morphology, faulting, and hydrothermal activity. Earth and Planetary Science Letters, 2006, 245, 655-672.	4.4	97

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19	The single largest oceanic plateau: Ontong Javaâ€"Manihikiâ€"Hikurangi. Earth and Planetary Science Letters, 2006, 241, 372-380.	4.4	270
20	Crustal structure across the transition from rifting to spreading: the Woodlark rift system of Papua New Guinea. Geophysical Journal International, 2006, 166, 622-634.	2.4	40
21	Re-examination of the magnetic lineations of the Gascoyne and Cuvier Abyssal Plains, off NW Australia. Geophysical Journal International, 2005, 163, 42-55.	2.4	57
22	Streamer tomography velocity models for the Gulf of Corinth and Gulf of Itea, Greece. Geophysical Journal International, 2004, 159, 333-346.	2.4	29
23	The West Philippine Basin and the initiation of subduction, revisited. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	59
24	Back-arc basin basalt systematics. Earth and Planetary Science Letters, 2003, 210, 481-497.	4.4	388
25	Controls on back-arc crustal accretion: insights from the Lau, Manus and Mariana basins. Geological Society Special Publication, 2003, 219, 19-54.	1.3	35
26	Mantle compensation of active metamorphic core complexes at Woodlark rift in Papua New Guinea. Nature, 2002, 418, 862-865.	27.8	76
27	Mantle wedge control on back-arc crustal accretion. Nature, 2002, 416, 417-420.	27.8	151
28	Across-arc geochemical trends in the Izu-Bonin arc: Contributions from the subducting slab. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	217
29	A three-plate kinematic model for Lau Basin opening. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	128
30	Metamorphic core complex formation by density inversion and lower-crust extrusion. Nature, 2001, 411, 930-934.	27.8	82
31	Bathymetry of the Tonga Trench and Forearc: a map series. Marine Geophysical Researches, 2000, 21, 489-512.	1.2	54
32	Across-arc geochemical trends in the Izu-Bonin arc: Constraints on source composition and mantle melting. Journal of Geophysical Research, 2000, 105, 495-512.	3.3	129
33	How continents break up: Insights from Papua New Guinea. Journal of Geophysical Research, 1999, 104, 7497-7512.	3.3	199
34	Contrasting styles of seafloor spreading in the Woodlark Basin: Indications of rift-induced secondary mantle convection. Journal of Geophysical Research, 1999, 104, 12909-12926.	3.3	32
35	Synchronous reorientation of the Woodlark Basin spreading center. Earth and Planetary Science Letters, 1997, 146, 233-242.	4.4	54
36	Sea-floor spreading in the Lau back-arc basin. Earth and Planetary Science Letters, 1996, 144, 35-40.	4.4	170

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37	Backarc spreading, rifting, and microplate rotation, between transform faults in the Manus Basin. Marine Geophysical Researches, 1996, 18, 203-224.	1.2	108
38	Early arc volcanism and the ophiolite problem: A perspective from drilling in the western Pacific. Geophysical Monograph Series, 1995, , 1-30.	0.1	183
39	Geodetic observations of very rapid convergence and back-arc extension at the Tonga arc. Nature, 1995, 374, 249-251.	27.8	339
40	Continental rifting and initial sea-floor spreading in the Woodlark basin. Nature, 1995, 374, 534-537.	27.8	170
41	Intrusive volcanic rocks in western Pacific forearcs. Geophysical Monograph Series, 1995, , 31-43.	0.1	11
42	Structure and Quaternary tectonic history of the Woodlark triple junction region, Solomon Islands. Marine Geophysical Researches, 1994, 16, 65-89.	1.2	33
43	Extension in the northern Mariana inner forearc. Journal of Geophysical Research, 1994, 99, 15181.	3.3	36
44	Extensional transform zones and oblique spreading centers. Journal of Geophysical Research, 1994, 99, 19707-19718.	3.3	84
45	Back-arc rifting in the Izu-Bonin Island Arc: Structural evolution of Hachijo and Aoga Shima Rifts. Island Arc, 1992, 1, 16-31.	1.1	24
46	Structural development of Sumisu Rift, Izuâ€Bonin Arc. Journal of Geophysical Research, 1991, 96, 16113-16129.	3.3	68
47	Petrology and geochemistry of lavas from the Sumisu and Torishima backarc rifts. Earth and Planetary Science Letters, 1990, 100, 161-178.	4.4	115
48	Volcanism in the Sumisu Rift, I. Major element, volatile, and stable isotope geochemistry. Earth and Planetary Science Letters, 1990, 100, 179-194.	4.4	161
49	Seismotectonics of New Guinea: A model for arc reversal following arcâ€continent collision. Tectonics, 1987, 6, 53-67.	2.8	182
50	Polarity reversal in the Solomon Islands arc. Nature, 1985, 314, 428-430.	27.8	83
51	Origin and history of the South China Sea basin. Geophysical Monograph Series, 1983, , 23-56.	0.1	573
52	The opening of the Woodlark Basin, subduction of the Woodlark spreading system, and the evolution of Northern Melanesia since mid-pliocene time. Tectonophysics, 1982, 87, 253-277.	2.2	162
53	The tectonic evolution of the South China Basin. Geophysical Monograph Series, 1980, , 89-104.	0.1	344
54	Tectonic reconstructions in magnetic quiet zones: Insights from the Greater Ontong Java Plateau. Special Paper of the Geological Society of America, 0, , 185-193.	0.5	5