

# Brian Taylor

## List of Publications by Year in descending order

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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	Origin and history of the South China Sea basin. Geophysical Monograph Series, 1983, , 23-56.	0.1	573
2	Back-arc basin basalt systematics. Earth and Planetary Science Letters, 2003, 210, 481-497.	4.4	388
3	The tectonic evolution of the South China Basin. Geophysical Monograph Series, 1980, , 89-104.	0.1	344
4	Geodetic observations of very rapid convergence and back-arc extension at the Tonga arc. Nature, 1995, 374, 249-251.	27.8	339
5	The single largest oceanic plateau: Ontong Javaâ€“Manihikiâ€“Hikurangi. Earth and Planetary Science Letters, 2006, 241, 372-380.	4.4	270
6	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
7	How continents break up: Insights from Papua New Guinea. Journal of Geophysical Research, 1999, 104, 7497-7512.	3.3	199
8	Early arc volcanism and the ophiolite problem: A perspective from drilling in the western Pacific. Geophysical Monograph Series, 1995, , 1-30.	0.1	183
9	Seismotectonics of New Guinea: A model for arc reversal following arcâ€“continent collision. Tectonics, 1987, 6, 53-67.	2.8	182
10	Continental rifting and initial sea-floor spreading in the Woodlark basin. Nature, 1995, 374, 534-537.	27.8	170
11	Sea-floor spreading in the Lau back-arc basin. Earth and Planetary Science Letters, 1996, 144, 35-40.	4.4	170
12	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
13	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
14	Mantle wedge control on back-arc crustal accretion. Nature, 2002, 416, 417-420.	27.8	151
15	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
16	A three-plate kinematic model for Lau Basin opening. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	128
17	Petrology and geochemistry of lavas from the Sumisu and Torishima backarc rifts. Earth and Planetary Science Letters, 1990, 100, 161-178.	4.4	115
18	Backarc spreading, rifting, and microplate rotation, between transform faults in the Manus Basin. Marine Geophysical Researches, 1996, 18, 203-224.	1.2	108

#	ARTICLE	IF	CITATIONS
19	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. <i>Earth and Planetary Science Letters</i> , 2006, 245, 655-672.	4.4	97
20	Rapid spatiotemporal variations in rift structure during development of the Corinth Rift, central Greece. <i>Tectonics</i> , 2016, 35, 1225-1248.	2.8	91
21	Reconstructing Ontong Java Nui: Implications for Pacific absolute plate motion, hotspot drift and true polar wander. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 140-151.	4.4	87
22	Extensional transform zones and oblique spreading centers. <i>Journal of Geophysical Research</i> , 1994, 99, 19707-19718.	3.3	84
23	Initiation of transform faults at rifted continental margins. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 428-438.	1.2	84
24	Polarity reversal in the Solomon Islands arc. <i>Nature</i> , 1985, 314, 428-430.	27.8	83
25	Metamorphic core complex formation by density inversion and lower-crust extrusion. <i>Nature</i> , 2001, 411, 930-934.	27.8	82
26	The structures, stratigraphy and evolution of the Gulf of Corinth rift, Greece. <i>Geophysical Journal International</i> , 2011, 185, 1189-1219.	2.4	81
27	Mantle compensation of active metamorphic core complexes at Woodlark rift in Papua New Guinea. <i>Nature</i> , 2002, 418, 862-865.	27.8	76
28	Structural development of Sumisu Rift, Izu-Bonin Arc. <i>Journal of Geophysical Research</i> , 1991, 96, 16113-16129.	3.3	68
29	The West Philippine Basin and the initiation of subduction, revisited. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	59
30	Re-examination of the magnetic lineations of the Gascoyne and Cuvier Abyssal Plains, off NW Australia. <i>Geophysical Journal International</i> , 2005, 163, 42-55.	2.4	57
31	Synchronous reorientation of the Woodlark Basin spreading center. <i>Earth and Planetary Science Letters</i> , 1997, 146, 233-242.	4.4	54
32	Bathymetry of the Tonga Trench and Forearc: a map series. <i>Marine Geophysical Researches</i> , 2000, 21, 489-512.	1.2	54
33	Abundant hydrothermal venting along melt-rich and melt-free ridge segments in the Lau back-arc basin. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	40
34	Crustal structure across the transition from rifting to spreading: the Woodlark rift system of Papua New Guinea. <i>Geophysical Journal International</i> , 2006, 166, 622-634.	2.4	40
35	Intrusive dike complexes, cumulate cores, and the extrusive growth of Hawaiian volcanoes. <i>Geophysical Research Letters</i> , 2013, 40, 3367-3373.	4.0	40
36	Extension in the northern Mariana inner forearc. <i>Journal of Geophysical Research</i> , 1994, 99, 15181.	3.3	36

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37	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
38	Structure and Quaternary tectonic history of the Woodlark triple junction region, Solomon Islands. Marine Geophysical Researches, 1994, 16, 65-89.	1.2	33
39	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
40	Streamer tomography velocity models for the Gulf of Corinth and Gulf of Itea, Greece. Geophysical Journal International, 2004, 159, 333-346.	2.4	29
41	Modes of crustal accretion in back-arc basins: Inferences from the Lau Basin. Geophysical Monograph Series, 2006, , 5-30.	0.1	26
42	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
43	A seismic stratigraphic analysis of Mariana forearc basin evolution. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	16
44	Intrusive volcanic rocks in western Pacific forearcs. Geophysical Monograph Series, 1995, , 31-43.	0.1	11
45	Shoreline Slope Breaks Revise Understanding of Hawaiian Shield Volcanoes Evolution. Geochemistry, Geophysics, Geosystems, 2019, 20, 4025-4045.	2.5	11
46	Tectonics of the Papua-Woodlark Region. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009209.	2.5	10
47	Widespread Secondary Volcanism Near Northern Hawaiian Islands. Eos, 2008, 89, 542-543.	0.1	9
48	A low-relief shield volcano origin for the South Kauai Swell. Geochemistry, Geophysics, Geosystems, 2013, 14, 2328-2348.	2.5	7
49	Ridge jump reorientation of the South China Sea revealed by high-resolution magnetic data. Terra Nova, 2021, 33, 475-482.	2.1	7
50	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
51	Tectonic Reconstruction of the Ellice Basin. Tectonics, 2019, 38, 3854-3865.	2.8	5
52	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
53	Producing marine geophysical archive files from raw underway data. Computers and Geosciences, 2019, 133, 104321.	4.2	2
54	Itina Trough and Other SW Pacific Examples of Rifting Across Former Subduction/Collision Zones. Geophysical Research Letters, 2021, 48, e2020GL092286.	4.0	2