

Anne Briais

List of Publications by Year in descending order

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54
papers

3,606
citations

279798

23
h-index

345221

36
g-index

58
all docs

58
docs citations

58
times ranked

2470
citing authors

#	ARTICLE	IF	CITATIONS
1	Updated interpretation of magnetic anomalies and seafloor spreading stages in the south China Sea: Implications for the Tertiary tectonics of Southeast Asia. <i>Journal of Geophysical Research</i> , 1993, 98, 6299-6328.	3.3	1,135
2	Ages and magnetic structures of the South China Sea constrained by deep tow magnetic surveys and IODP Expedition 349. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4958-4983.	2.5	419
3	Spherical harmonic modelling to ultra-high degree of Bouguer and isostatic anomalies. <i>Journal of Geodesy</i> , 2012, 86, 499-520.	3.6	269
4	Mid-Atlantic Ridge "Azores hotspot interactions: along-axis migration of a hotspot-derived event of enhanced magmatism 10 to 4 Ma ago. <i>Earth and Planetary Science Letters</i> , 1999, 173, 257-269.	4.4	190
5	Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. <i>Nature Geoscience</i> , 2018, 11, 782-789.	12.9	183
6	Seismic stratigraphy of the central South China Sea basin and implications for neotectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1377-1399.	3.4	155
7	The Southwest Indian Ridge between 49°15'E and 57°E: focused accretion and magma redistribution. <i>Earth and Planetary Science Letters</i> , 2001, 192, 303-317.	4.4	121
8	Active thrusting offshore Mount Lebanon: Source of the tsunamigenic A.D. 551 Beirut-Tripoli earthquake. <i>Geology</i> , 2007, 35, 755.	4.4	108
9	Spreading direction in the central South China Sea. <i>Nature</i> , 1986, 321, 150-154.	27.8	102
10	Direct evidence for the distribution and occurrence of hydrothermal activity between 27°N-30°N on the Mid-Atlantic Ridge. <i>Earth and Planetary Science Letters</i> , 1994, 125, 119-128.	4.4	71
11	Extreme mantle uplift and exhumation along a transpressive transform fault. <i>Nature Geoscience</i> , 2016, 9, 619-623.	12.9	70
12	Segmentation of mid-ocean ridges with an axial valley induced by small-scale mantle convection. <i>Nature</i> , 1995, 374, 795-798.	27.8	54
13	The Mid-Atlantic Ridge between 29°N and 31°30'N in the last 10 Ma. <i>Earth and Planetary Science Letters</i> , 1995, 130, 45-55.	4.4	46
14	Structural analysis of the segmentation of the Central Indian Ridge between 20½°S and 25½°S (Rodriguez Triple Junction). <i>Marine Geophysical Researches</i> , 1995, 17, 431-467.	1.2	45
15	Seismic evidence for Neogene and active shortening offshore of Lebanon (Shalimar cruise). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	42
16	TOBI sidescan sonar imagery of the very slow-spreading Southwest Indian Ridge: evidence for along-axis magma distribution. <i>Earth and Planetary Science Letters</i> , 2002, 199, 81-95.	4.4	40
17	Evolution of the Pacific-Antarctic Ridge South of the Udintsev Fracture Zone. <i>Science</i> , 1997, 278, 1281-1284.	12.6	36
18	Segmentation of the Central Indian Ridge between 12°12' S and the Indian Ocean Triple Junction. <i>Marine Geophysical Researches</i> , 1993, 15, 265-282.	1.2	34

#	ARTICLE	IF	CITATIONS
19	Constraints of Sea Beam data on crustal fabrics and seafloor spreading in the South China Sea. <i>Earth and Planetary Science Letters</i> , 1989, 95, 307-320.	4.4	32
20	Messinian Salinity Crisis deposits widespread over the Balearic Promontory: Insights from new high-resolution seismic data. <i>Marine and Petroleum Geology</i> , 2015, 66, 41-54.	3.3	32
21	Temporal variations of the segmentation of slow to intermediate spreading mid-ocean ridges 1. Synoptic observations based on satellite altimetry data. <i>Journal of Geophysical Research</i> , 2002, 107, ECV 3-1.	3.3	31
22	Expedition 349 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	31
23	Title is missing!. <i>Marine Geophysical Researches</i> , 2000, 21, 87-119.	1.2	30
24	Time scales of melt extraction revealed by distribution of lava composition across a ridge axis. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	27
25	Microseismicity of the BÅ©arn range: Reactivation of inversion and collision structures at the northern edge of the Iberian plate. <i>Tectonics</i> , 2015, 34, 934-950.	2.8	23
26	Evidence for transform motion along the South Balearic margin and implications for the kinematics of opening of the Algerian basin. <i>Bulletin - Societie Geologique De France</i> , 2015, 186, 353-370.	2.2	22
27	Record of the Messinian Salinity Crisis in the SW Mallorca area (Balearic Promontory, Spain). <i>Marine Geology</i> , 2014, 357, 304-320.	2.1	21
28	Temporal variations of the segmentation of slow to intermediate spreading mid-ocean ridges 2. A three-dimensional model in terms of lithosphere accretion and convection within the partially molten mantle beneath the ridge axis. <i>Journal of Geophysical Research</i> , 2002, 107, ECV 2-1.	3.3	20
29	Analysis of propagators along the Pacificâ€™Antarctic Ridge: evidence for triggering by kinematic changes. <i>Earth and Planetary Science Letters</i> , 2002, 199, 415-428.	4.4	19
30	Expedition 367/368 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	18
31	Variations in axial morphology, segmentation, and seafloor roughness along the Pacific-Antarctic Ridge between 56Å°S and 66Å°S. <i>Journal of Geophysical Research</i> , 2001, 106, 8521-8546.	3.3	15
32	Near-axis seamount distribution and its relationship with the segmentation of the East Pacific Rise and northern Pacificâ€™Antarctic Ridge, 17Å°Nâ€™56Å°S. <i>Earth and Planetary Science Letters</i> , 2000, 175, 233-246.	4.4	13
33	Origin of volcanism on the flanks of the Pacificâ€™Antarctic ridge between 41Å°30â€™S and 52Å°S. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	13
34	Correlated patterns in hydrothermal plume distribution and apparent magmatic budget along 2500 km of the Southeast Indian Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3198-3211.	2.5	11
35	Site U1433. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	11
36	Expedition 367/368 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	11

#	ARTICLE	IF	CITATIONS
37	Site U1500. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	10
38	New structural and geochemical observations from the Pacific-Antarctic Ridge between 52°45'S and 41°15'S. Geophysical Research Letters, 2006, 33, .	4.0	9
39	Contrasted hydrothermal activity along the Southward Indian Ridge (130°E-140°E): From crustal to ultramafic circulation. Geochemistry, Geophysics, Geosystems, 2017, 18, 2446-2458.	2.5	9
40	Site U1431. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	8
41	Site U1435. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	8
42	Site U1501. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	7
43	Tectonics at the axis of the very slow spreading Southwest Indian Ridge: Insights from TOBI side-scan sonar imagery. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	6
44	Site U1499. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6
45	Site U1502. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5
46	Site U1504. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
47	Site U1503. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3
48	Site U1432. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
49	Site U1505. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
50	Return to Site U1503. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
51	Expedition 368X summary. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	1
52	Expedition 368X methods supplement. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	1
53	Multichannel 2D seismic reflection study of Mid-Atlantic Ridge: The St. Paul fracture zone region. , 2015, , .		0
54	Site U1434. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	0