

Barbara E John

List of Publications by Year in descending order

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39
papers

2,907
citations

186265

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1881
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemistry of serpentinized and multiphase altered Atlantis Massif peridotites (IODP Expedition) Tj ETQq1 1 0.784314 rgBT /Overl 594, 120681.	3.3	9
2	Three-dimensional magnetic stripes require slow cooling in fast-spread lower ocean crust. Nature, 2021, 597, 511-515.	27.8	12
3	Magmatism, serpentinization and life: Insights through drilling the Atlantis Massif (IODP Expedition) Tj ETQq1 1 0.784314 rgBT /Overl 58	1.4	58
4	Synextensional dike emplacement across the footwall of a continental core complex, Chemehuevi Mountains, southeastern California. , 2017, 13, 1867-1886.		2
5	The temporal and spatial distribution of magmatism during lower crustal accretion at an ultraslow-spreading ridge: High-precision Uâ€Pb zircon dating of ODP Holes 735B and 1105A, Atlantis Bank, Southwest Indian Ridge. Earth and Planetary Science Letters, 2016, 449, 395-406.	4.4	30
6	Primitive layered gabbros from fast-spreading lower oceanic crust. Nature, 2014, 505, 204-207.	27.8	125
7	Mylonitic deformation at the Kane oceanic core complex: Implications for the rheological behavior of oceanic detachment faults. Geochemistry, Geophysics, Geosystems, 2013, 14, 3085-3108.	2.5	56
8	The internal structure of an oceanic core complex: An integrated analysis of oriented borehole imagery from IODP Hole U1309D (Atlantis Massif). Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	12
9	The cooling history and the depth of detachment faulting at the Atlantis Massif oceanic core complex. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	22
10	Cooling rates and the depth of detachment faulting at oceanic core complexes: Evidence from zircon Pb/U and (Uâ€Th)/He ages. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	34
11	Uniformly mantle-like $\delta^{18}O$ in zircons from oceanic plagiogranites and gabbros. Contributions To Mineralogy and Petrology, 2011, 161, 13-33.	3.1	116
12	Strain localization along the Atlantis Bank oceanic detachment fault system, Southwest Indian Ridge. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	37
13	Dissolutionâ€reprecipitation of igneous zircon in mid-ocean ridge gabbro, Atlantis Bank, Southwest Indian Ridge. Chemical Geology, 2010, 274, 68-81.	3.3	38
14	Deformation and alteration associated with oceanic and continental detachment fault systems: Are they similar?. Geophysical Monograph Series, 2010, , 175-205.	0.1	17
15	On the occurrence, trace element geochemistry, and crystallization history of zircon from in situ ocean lithosphere. Contributions To Mineralogy and Petrology, 2009, 158, 757-783.	3.1	242
16	SHRIMP Pb/U zircon ages constrain gabbroic crustal accretion at Atlantis Bank on the ultraslow-spreading Southwest Indian Ridge. Earth and Planetary Science Letters, 2009, 287, 540-550.	4.4	62
17	Cooling history of Atlantis Bank oceanic core complex: Evidence for hydrothermal activity 2.6 Ma off axis. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	24
18	The rate of oceanic detachment faulting at Atlantis Bank, SW Indian Ridge. Earth and Planetary Science Letters, 2008, 273, 105-114.	4.4	62

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19	Protracted construction of gabbroic crust at a slow spreading ridge: Constraints from ²⁰⁶ Pb/ ²³⁸ U zircon ages from Atlantis Massif and IODP Hole U1309D (30°N), Tj ETQq12150.7843145rgBT	12.5	145
20	Evolution of the Southwest Indian Ridge from 55°45'E to 62°E: Changes in plate-boundary geometry since 26 Ma. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	44
21	Dating the Growth of Oceanic Crust at a Slow-Spreading Ridge. <i>Science</i> , 2005, 310, 654-657.	12.6	90
22	Strain localization on an oceanic detachment fault system, Atlantis Massif, 30°N, Mid-Atlantic Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	137
23	Determining the cooling history of in situ lower oceanic crust—Atlantis Bank, SW Indian Ridge. <i>Earth and Planetary Science Letters</i> , 2004, 222, 145-160.	4.4	87
24	Mechanism for generating the anomalous uplift of oceanic core complexes: Atlantis Bank, southwest Indian Ridge. <i>Geology</i> , 2003, 31, 1105.	4.4	61
25	Temporal Changes in Deformation Mode: From Failure to Flow in the Colorado River Extensional Corridor. <i>International Geology Review</i> , 2002, 44, 512-527.	2.1	10
26	Geology of the Atlantis Massif (Mid-Atlantic Ridge, 30°N): Implications for the evolution of an ultramafic oceanic core complex. <i>Marine Geophysical Researches</i> , 2002, 23, 443-469.	1.2	185
27	A long in situ section of the lower ocean crust: results of ODP Leg 176 drilling at the Southwest Indian Ridge. <i>Earth and Planetary Science Letters</i> , 2000, 179, 31-51.	4.4	456
28	Mechanisms for accommodation of Miocene extension: Low-angle normal faulting, magmatism, and secondary breakaway faulting in the southern Sacramento Mountains, southeastern California. <i>Tectonics</i> , 2000, 19, 566-587.	2.8	22
29	Quantifying tectonic exhumation in an extensional orogen with thermochronology: examples from the southern Basin and Range Province. <i>Geological Society Special Publication</i> , 1999, 154, 343-364.	1.3	69
30	Ultra high-temperature and subsolidus shear zones: examples from the Poe Mountain anorthosite, Wyoming. <i>Journal of Structural Geology</i> , 1998, 20, 945-955.	2.3	40
31	Constraints on extension-related plutonism from modeling of the Colorado River gravity high. <i>Bulletin of the Geological Society of America</i> , 1996, 108, 1242.	3.3	12
32	Syn-emplacement recrystallization and deformation microstructures in the Poe Mountain anorthosite, Wyoming. <i>Contributions To Mineralogy and Petrology</i> , 1996, 122, 431-440.	3.1	44
33	Rapid extension recorded by cooling-age patterns and brittle deformation, Naxos, Greece. <i>Journal of Geophysical Research</i> , 1995, 100, 9969-9979.	3.3	66
34	Emplacement-related deformation of granitoid magmas, southern Adamello Massif, Italy. <i>Bulletin of the Geological Society of America</i> , 1993, 105, 1517-1541.	3.3	125
35	Structural and thermal constraints on the initiation angle of detachment faulting in the southern Basin and Range: The Chemehuevi Mountains case study. <i>Bulletin of the Geological Society of America</i> , 1993, 105, 1091-1108.	3.3	121
36	Footwall rocks to the Mid-Tertiary Chemehuevi Detachment Fault: A window into the middle crust in the Southern Cordillera. <i>Journal of Geophysical Research</i> , 1990, 95, 463-485.	3.3	30

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37	Detached strata in a Tertiary low-angle normal fault terrane, southeastern California: A sedimentary record of unroofing, breaching, and continued slip. <i>Geology</i> , 1988, 16, 645.	4.4	46
38	Crustal extension along a rooted system of imbricate low-angle faults: Colorado River extensional corridor, California and Arizona. <i>Geological Society Special Publication</i> , 1987, 28, 299-311.	1.3	82
39	Geometry and evolution of a mid-crustal extensional fault system: Chemehuevi Mountains, southeastern California. <i>Geological Society Special Publication</i> , 1987, 28, 313-335.	1.3	83