

# Julie A Bowles

## List of Publications by Year in descending order

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34  
papers

1,498  
citations

471509

17  
h-index

377865

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Paleomagnetism and rock magnetism as tools for volcanology. <i>Bulletin of Volcanology</i> , 2022, 84, 1.	3.0	5
2	Magnetic Mineral Populations in Lower Oceanic Crustal Gabbros (Atlantis Bank, SW Indian Ridge): Implications for Marine Magnetic Anomalies. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008847.	2.5	2
3	Dynamic Accretion Beneath a Slow-Spreading Ridge Segment: IODP Hole 1473A and the Atlantis Bank Oceanic Core Complex. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12631-12659.	3.4	53
4	Curie Temperature Enhancement and Cation Ordering in Titanomagnetites: Evidence From Magnetic Properties, XMCD, and Mössbauer Spectroscopy. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2272-2289.	2.5	7
5	Absolute Paleointensity Study of Miocene Tiva Canyon Tuff, Yucca Mountain, Nevada: Role of Fine-Particle Grain-Size Variations. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5818-5830.	2.5	1
6	Malleable Curie Temperatures of Natural Titanomagnetites: Occurrences, Modes, and Mechanisms. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 921-940.	3.4	13
7	Geology of the Alarcon Rise, Southern Gulf of California. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 807-837.	2.5	29
8	Paleointensity Estimates From Ignimbrites: The Bishop Tuff Revisited. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3811-3831.	2.5	8
9	Assessing New and Old Methods in Paleomagnetic Paleothermometry: A Test Case at Mt. St. Helens, USA. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1714-1730.	2.5	5
10	Effects of titanomagnetite reordering processes on thermal demagnetization and paleointensity experiments. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4848-4858.	2.5	8
11	Early non-marine life: Evaluating the biogenicity of Mesoproterozoic fluvial-lacustrine stromatolites. <i>Precambrian Research</i> , 2016, 275, 105-118.	2.7	26
12	Geomagnetic paleointensity in historical pyroclastic density currents: Testing the effects of emplacement temperature and postemplacement alteration. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3607-3625.	2.5	12
13	Influence of redox conditions on the intensity of Mars crustal magnetic anomalies. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1703-1717.	1.6	1
14	Full vector low-temperature magnetic measurements of geologic materials. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 301-314.	2.5	14
15	Contribution of multidomain titanomagnetite to the intensity and stability of Mars crustal magnetic anomalies. <i>Geophysical Research Letters</i> , 2014, 41, 7997-8005.	4.0	2
16	Curie temperatures of titanomagnetite in ignimbrites: Effects of emplacement temperatures, cooling rates, exsolution, and cation ordering. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4343-4368.	2.5	20
17	Eruptive timing and 200 year episodicity at 92°W on the hot spot-influenced Galapagos Spreading Center derived from geomagnetic paleointensity. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2211-2224.	2.5	12
18	Inferred time- and temperature-dependent cation ordering in natural titanomagnetites. <i>Nature Communications</i> , 2013, 4, 1916.	12.8	50

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19	Multicomponent cubic oxide exsolution in synthetic basalts: Temperature dependence and implications for magnetic properties. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
20	Effects of variable magma supply on mid-ocean ridge eruptions: Constraints from mapped lava flow fields along the Galápagos Spreading Center. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	42
21	Timing of magnetite formation in basaltic glass: Insights from synthetic analogs and relevance for geomagnetic paleointensity analyses. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	17
22	Paleointensity estimates from ignimbrites: An evaluation of the Bishop Tuff. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	20
23	Deconvolution of u channel magnetometer data: Experimental study of accuracy, resolution, and stability of different inversion methods. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	21
24	Effects of open and closed system oxidation on texture and magnetic response of remelted basaltic glass. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	3
25	Magnetic and petrologic characterization of synthetic Martian basalts and implications for the surface magnetization of Mars. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	17
26	Astronomical calibration of the Paleocene time. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 257, 377-403.	2.3	259
27	Coring-related deformation of Leg 208 sediments from Walvis Ridge: Implications for paleomagnetic data. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 161, 161-169.	1.9	9
28	On the duration of magnetochrons C24r and C25n and the timing of early Eocene global warming events: Implications from the Ocean Drilling Program Leg 208 Walvis Ridge depth transect. <i>Paleoceanography</i> , 2007, 22, .	3.0	183
29	Paleointensity applications to timing and extent of eruptive activity, 9°-10°N East Pacific Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	40
30	Astronomical pacing of late Palaeocene to early Eocene global warming events. <i>Nature</i> , 2005, 435, 1083-1087.	27.8	492
31	Cooling rate effects on paleointensity estimates in submarine basaltic glass and implications for dating young flows. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	56
32	Source of tiny wiggles in Chron C5: A comparison of sedimentary relative intensity and marine magnetic anomalies. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, n/a-n/a.	2.5	27
33	Archaeomagnetic intensity results from California and Ecuador: evaluation of regional data. <i>Earth and Planetary Science Letters</i> , 2002, 203, 967-981.	4.4	28
34	Behavior of oceanic crustal magnetization at high temperatures: Viscous magnetization and the marine magnetic anomaly source layer. <i>Geophysical Research Letters</i> , 1999, 26, 2279-2282.	4.0	5