

# Deborah K Smith

## List of Publications by Year in descending order

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27  
papers

1,179  
citations

516710

16  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

945  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroacoustic Monitoring of Seafloor Spreading and Transform Faulting in the Equatorial Atlantic Ocean. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	6
2	The Evolution of Seafloor Spreading Behind the Tip of the Westward Propagating Cocos-Nazca Spreading Center. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008957.	2.5	4
3	Opening of Hess Deep Rift at the Galapagos Triple Junction. <i>Geophysical Research Letters</i> , 2018, 45, 3942-3950.	4.0	7
4	Tectonic structure of the Mid-Atlantic Ridge near 16°30'N. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3993-4010.	2.5	9
5	Tectonic evolution of 200 km of Mid-Atlantic Ridge over 10 million years: Interplay of volcanism and faulting. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2303-2321.	2.5	26
6	Development and evolution of detachment faulting along 50 km of the Mid-Atlantic Ridge near 16.5°N. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4692-4711.	2.5	32
7	The recent history of the Galapagos triple junction preserved on the Pacific plate. <i>Earth and Planetary Science Letters</i> , 2013, 371-372, 6-15.	4.4	10
8	Seismicity of the Atlantis Massif detachment fault, 30°N at the Mid-Atlantic Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	13
9	Distributed deformation ahead of the Cocos-Nazca Rift at the Galapagos triple junction. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	16
10	Tectonic versus magmatic extension in the presence of core complexes at slow-spreading ridges from a visualization of faulted seafloor topography. <i>Geology</i> , 2010, 38, 615-618.	4.4	49
11	Ocean Drilling: Forty Years of International Collaboration. <i>Eos</i> , 2010, 91, 393-394.	0.1	4
12	Fault rotation and core complex formation: Significant processes in seafloor formation at slow-spreading mid-ocean ridges (Mid-Atlantic Ridge, 13°-15°N). <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	186
13	Cracking of lithosphere north of the Galapagos triple junction. <i>Geology</i> , 2008, 36, 339.	4.4	22
14	Hydroacoustic events located at the intersection of the Atlantis (30°N) and Kane (23°40'N) Transform Faults with the Mid-Atlantic Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	37
15	Widespread active detachment faulting and core complex formation near 13°N on the Mid-Atlantic Ridge. <i>Nature</i> , 2006, 442, 440-443.	27.8	243
16	Counter-rotating microplates at the Galapagos triple junction. <i>Nature</i> , 2005, 433, 855-858.	27.8	22
17	Evolution of volcanism and faulting in a segment of the Mid-Atlantic Ridge at 25°N. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	26
18	Parallel bands of seismicity at the Mid-Atlantic Ridge, 12-14°N. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	23

#	ARTICLE	IF	CITATIONS
19	Volcanic morphology of the submarine Puna Ridge, Kilauea Volcano. Geophysical Monograph Series, 2002, , 125-142.	0.1	17
20	Hydroacoustic monitoring of seismicity at the slow-spreading Mid-Atlantic Ridge. Geophysical Research Letters, 2002, 29, 13-1.	4.0	88
21	Petrological systematics of submarine basalt glasses from the Puna Ridge, Hawai'i: Implications for rift zone plumbing and magmatic processes. Geophysical Monograph Series, 2002, , 143-159.	0.1	12
22	Title is missing!. Marine Geophysical Researches, 1997, 19, 339-362.	1.2	28
23	Fault scarp identification in side-scan sonar and bathymetry images from the Mid-Atlantic Ridge using wavelet-based digital filters. Marine Geophysical Researches, 1996, 18, 741-755.	1.2	10
24	Building the crust at the Mid-Atlantic Ridge. Nature, 1993, 365, 707-715.	27.8	135
25	Hundreds of small volcanoes on the median valley floor of the Mid-Atlantic Ridge at 24°30' N. Nature, 1990, 348, 152-155.	27.8	110
26	Seafloor topography: A record of a chaotic dynamical system?. Geophysical Research Letters, 1990, 17, 1541-1544.	4.0	5
27	The size distribution of Pacific Seamounts. Geophysical Research Letters, 1987, 14, 1119-1122.	4.0	39