

Barry B Hanan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

3,238

citations

32

h-index

56

g-index

61

ext. papers

3,523

ext. citations

7.2

avg, IF

4.82

L-index

#	Paper	IF	Citations
58	Post-delamination magmatism in south-central Anatolia. <i>Lithos</i> , 2021 , 398-399, 106299	2.9	3
57	Sulfide mantle source heterogeneity recorded in basaltic lavas from the Azores. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 268, 422-445	5.5	11
56	Distinguishing Plume and Metasomatized Lithospheric Mantle Contributions to Post-Flood Basalt Volcanism on the Southeastern Ethiopian Plateau. <i>Journal of Petrology</i> , 2019 , 60, 1063-1094	3.9	18
55	Titanite Mineralization of Microbial Bioalteration Textures in Jurassic Volcanic Glass, Coast Range Ophiolite, California. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	5
54	Melting the lithosphere: Metasomes as a source for mantle-derived magmas. <i>Earth and Planetary Science Letters</i> , 2017 , 461, 105-118	5.3	46
53	Contrasted hydrothermal activity along the South-East Indian Ridge (130°E–140°E): From crustal to ultramafic circulation. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 2446-2458	3.6	7
52	Unusual $\delta^{66}\text{Fe}$ values in Samoan rejuvenated lavas generated in the mantle. <i>Earth and Planetary Science Letters</i> , 2016 , 450, 221-232	5.3	45
51	Source components and magmatic processes in the genesis of Miocene to Quaternary lavas in western Turkey: constraints from HSE distribution and Hf/Pb isotopes. <i>Contributions To Mineralogy and Petrology</i> , 2015 , 170, 1	3.5	18
50	The role of continental lithosphere metasomes in the production of HIMU-like magmatism on the northeast African and Arabian plates. <i>Geology</i> , 2014 , 42, 419-422	5	70
49	Helium Isotope Variations and Mantle Plume-Spreading Ridge Interactions Along the Galapagos Spreading Center. <i>Geophysical Monograph Series</i> , 2014 , 393-414	1.1	5
48	Helium isotopic textures in Earth's upper mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 2048-2074	3.1	31
47	Yellowstone hotspot–continental lithosphere interaction. <i>Earth and Planetary Science Letters</i> , 2014 , 389, 119-131	5.3	19
46	The origin of the asymmetry in the Iceland hotspot along the Mid-Atlantic Ridge from continental breakup to present-day. <i>Earth and Planetary Science Letters</i> , 2014 , 392, 143-153	5.3	21
45	Geochemical diversity in submarine HIMU basalts from Austral Islands, French Polynesia. <i>Contributions To Mineralogy and Petrology</i> , 2013 , 166, 1285-1304	3.5	14
44	Pb and Hf isotope variations along the Southeast Indian Ridge and the dynamic distribution of MORB source domains in the upper mantle. <i>Earth and Planetary Science Letters</i> , 2013 , 375, 196-208	5.3	22
43	The Steens Basalt: Earliest lavas of the Columbia River Basalt Group 2013 ,		17
42	Os/Hf isotopic insight into mantle plume dynamics beneath the East African Rift System. <i>Chemical Geology</i> , 2012 , 320-321, 66-79	4.2	26

41	An overview of the volatile systematics of the Lau Basin [Resolving the effects of source variation, magmatic degassing and crustal contamination. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 85, 88-113	5.5	32
40	Upper Mantle Pollution during Afar Plume-Continental Rift Interaction. <i>Journal of Petrology</i> , 2012 , 53, 365-389	3.9	74
39	Major and trace element and Sr-Nd isotope signatures of the northern Lau Basin lavas: Implications for the composition and dynamics of the back-arc basin mantle. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		33
38	Geochemical portray of the Pacific Ridge: New isotopic data and statistical techniques. <i>Earth and Planetary Science Letters</i> , 2011 , 302, 154-162	5.3	36
37	Hafnium isotopic variations in East Atlantic intraplate volcanism. <i>Contributions To Mineralogy and Petrology</i> , 2011 , 162, 21-36	3.5	24
36	Geochemistry of 24 Ma basalts from NE Egypt: source components and fractionation history. <i>Geological Society Special Publication</i> , 2011 , 357, 265-283	1.7	14
35	Fore-arc basalts and subduction initiation in the Izu-Bonin-Mariana system. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	467
34	Sr-Nd-Hf isotopes along the Pacific Antarctic Ridge from 41 to 53°S. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	21
33	Seamounts in the Subduction Factory. <i>Oceanography</i> , 2010 , 23, 176-181	2.3	23
32	Isotopic geochemistry of Hualalai shield-stage tholeiitic basalts from submarine North Kona region, Hawaii. <i>Journal of Volcanology and Geothermal Research</i> , 2009 , 185, 223-230	2.8	15
31	Geochemical stages at Jasper Seamount and the origin of intraplate volcanoes. <i>Geochemistry, Geophysics, Geosystems</i> , 2009 , 10, n/a-n/a	3.6	27
30	Major and trace element and Sr-Nd isotope signatures of lavas from the Central Lau Basin: Implications for the nature and influence of subduction components in the back-arc mantle. <i>Journal of Volcanology and Geothermal Research</i> , 2008 , 178, 657-670	2.8	73
29	Geochemistry of post-collisional mafic lavas from the North Anatolian Fault zone, Northwestern Turkey. <i>Lithos</i> , 2008 , 101, 416-434	2.9	32
28	Lithospheric topography, tilted plumes, and the track of the Snake River-Yellowstone hot spot. <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	46
27	One hundred million years of mantle geochemical history suggest the retiring of mantle plumes is premature. <i>Earth and Planetary Science Letters</i> , 2008 , 275, 285-295	5.3	45
26	A plume-triggered delamination origin for the Columbia River Basalt Group 2008 , 4, 480		74
25	Petrogenesis of Volcanic Rocks from Saipan and Rota, Mariana Islands, and Implications for the Evolution of Nascent Island Arcs. <i>Journal of Petrology</i> , 2008 , 49, 441-464	3.9	72
24	Yellowstone plume-continental lithosphere interaction beneath the Snake River Plain. <i>Geology</i> , 2008 , 36, 51	5	59

23	Layered mafic sill complex beneath the eastern Snake River Plain: Evidence from cyclic geochemical variations in basalt. <i>Geology</i> , 2006 , 34, 365	5	64
22	Tertiary Mafic Lavas of Turkana, Kenya: Constraints on East African Plume Structure and the Occurrence of High- γ Volcanism in Africa. <i>Journal of Petrology</i> , 2006 , 47, 1221-1244	3.9	85
21	Heads and tails: 30 million years of the Afar plume. <i>Geological Society Special Publication</i> , 2006 , 259, 95-119		60
20	Morphological and geochemical variations along the eastern Galapagos Spreading Center. <i>Geochemistry, Geophysics, Geosystems</i> , 2005 , 6, n/a-n/a	3.6	44
19	Radioisotopic and biostratigraphic age relations in the Coast Range Ophiolite, northern California: Implications for the tectonic evolution of the Western Cordillera. <i>Bulletin of the Geological Society of America</i> , 2005 , 117, 633	3.9	70
18	The Stonyford Volcanic Complex: a Forearc Seamount in the Northern California Coast Ranges. <i>Journal of Petrology</i> , 2005 , 46, 2091-2128	3.9	40
17	Basaltic volcanism of the central and western Snake River Plain: A guide to field relations between Twin Falls and Mountain Home, Idaho 2005 , 27-52		10
16	Multi-Stage Origin of the Coast Range Ophiolite, California: Implications for the Life Cycle of Supra-Subduction Zone Ophiolites. <i>International Geology Review</i> , 2004 , 46, 289-315	2.3	93
15	Contrasting origins of the upper mantle revealed by hafnium and lead isotopes from the Southeast Indian Ridge. <i>Nature</i> , 2004 , 432, 91-4	50.4	142
14	Hafnium isotopic variations in volcanic rocks from the Caribbean Large Igneous Province and Galapagos hot spot tracks. <i>Geochemistry, Geophysics, Geosystems</i> , 2003 , 4,	3.6	49
13	Primordial helium isotope signature from Plio-Quaternary alkaline basalts in Yemen. <i>Island Arc</i> , 2001 , 10, 145-157	2	9
12	Geochemical evidence for the Trindade hotspot trace: Columbia seamount ankaramite. <i>Lithos</i> , 2000 , 51, 293-304	2.9	41
11	Depleted Iceland mantle plume geochemical signature: Artifact of multicomponent mixing?. <i>Geochemistry, Geophysics, Geosystems</i> , 2000 , 1, n/a-n/a	3.6	75
10	Chaotic topography, mantle flow and mantle migration in the Australian-Antarctic discordance. <i>Nature</i> , 1998 , 394, 637-644	50.4	65
9	Investigating solid mantle upwelling beneath mid-ocean ridges using U-series disequilibria. II. A local study at 33°S Mid-Atlantic Ridge. <i>Earth and Planetary Science Letters</i> , 1998 , 157, 167-181	5.3	54
8	Helium isotope composition of the early Iceland mantle plume inferred from the Tertiary picrites of West Greenland. <i>Earth and Planetary Science Letters</i> , 1998 , 160, 241-255	5.3	102
7	Igneous and metamorphic U-Pb zircon ages from the Baltimore mafic complex, Maryland Piedmont 1997 ,		3
6	The dynamic evolution of the Iceland mantle plume: the lead isotope perspective. <i>Earth and Planetary Science Letters</i> , 1997 , 151, 43-60	5.3	87

5	Nd-Sr-Pb isotopic variations along the Gulf of Aden: Evidence for Afar Mantle Plume-Continental Lithosphere Interaction. <i>Journal of Geophysical Research</i> , 1992 , 97, 10927		198
4	SrNdPb geochemical morphology between 10° and 17°N on the Mid-Atlantic Ridge: A new MORB isotope signature. <i>Earth and Planetary Science Letters</i> , 1991 , 106, 29-43	53	109
3	Easter microplate evolution: Pb isotope evidence. <i>Journal of Geophysical Research</i> , 1989 , 94, 7432		115
2	Jurassic volcanic glass from the Stonyford volcanic complex, Franciscan assemblage, northern California Coast Ranges. <i>Geology</i> , 1989 , 17, 510	5	24
1	Pb isotope evidence in the South Atlantic for migrating ridge-hotspot interactions. <i>Nature</i> , 1986 , 322, 137-144	50.4	150