

James B Gill

List of Publications by Year in descending order

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36
papers

3,569
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304743

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36
all docs

36
docs citations

36
times ranked

2412
citing authors

#	ARTICLE	IF	CITATIONS
1	Orogenic Andesites and Plate Tectonics. Minerals and Rocks, 1981, , .	0.3	1,561
2	Composition and age of Lau Basin and Ridge volcanic rocks: Implications for evolution of an interarc basin and remnant arc. Bulletin of the Geological Society of America, 1976, 87, 1384.	3.3	191
3	Volcanism in the Sumisu Rift, I. Major element, volatile, and stable isotope geochemistry. Earth and Planetary Science Letters, 1990, 100, 179-194.	4.4	161
4	Volcanism in the Sumisu Rift, II. Subduction and non-subduction related components. Earth and Planetary Science Letters, 1990, 100, 195-209.	4.4	146
5	Mantle Melting and Basalt Extraction by Equilibrium Porous Flow. Science, 1995, 270, 1958-1961.	12.6	129
6	Across-arc geochemical trends in the Izu-Bonin arc: Constraints on source composition and mantle melting. Journal of Geophysical Research, 2000, 105, 495-512.	3.3	129
7	Early rifting of an oceanic island arc (Fiji) produced shoshonitic to tholeiitic basalts. Journal of Geophysical Research, 1989, 94, 4561-4578.	3.3	120
8	SrPbNd isotopic evidence that both MORB and OIB sources contribute to oceanic island arc magmas in Fiji. Earth and Planetary Science Letters, 1984, 68, 443-458.	4.4	115
9	Silicic Magmas in the Izu-Bonin Oceanic Arc and Implications for Crustal Evolution. Journal of Petrology, 2009, 50, 685-723.	2.8	112
10	Hafnium systematics of the Mariana arc: Evidence for sediment melt and residual phases. Geology, 2005, 33, 737.	4.4	98
11	The May 2003 eruption of Anatahan volcano, Mariana Islands: Geochemical evolution of a silicic island-arc volcano. Journal of Volcanology and Geothermal Research, 2005, 146, 139-170.	2.1	94
12	Explosive Deep Water Basalt in the Sumisu Backarc Rift. Science, 1990, 248, 1214-1217.	12.6	88
13	Diverse magmatic effects of subducting a hot slab in SW Japan: Results from forward modeling. Geochemistry, Geophysics, Geosystems, 2014, 15, 691-739.	2.5	78
14	A variably enriched mantle wedge and contrasting melt types during arc stages following subduction initiation in Fiji and Tonga, southwest Pacific. Earth and Planetary Science Letters, 2012, 335-336, 180-194.	4.4	66
15	Endeavour Segment of the Juan de Fuca Ridge: One of the Most Remarkable Places on Earth. Oceanography, 2012, 25, 44-61.	1.0	65
16	Sources of constructional cross-chain volcanism in the southern Havre Trough: New insights from HFSE and REE concentration and isotope systematics. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	51
17	Hf isotopic evidence for small-scale heterogeneity in the mode of mantle wedge enrichment: Southern Havre Trough and South Fiji Basin back arcs. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	47
18	Origin of geochemical mantle components: Role of subduction filter. Geochemistry, Geophysics, Geosystems, 2016, 17, 3289-3325.	2.5	47

#	ARTICLE	IF	CITATIONS
19	Eruptive and tectonic history of the Endeavour Segment, Juan de Fuca Ridge, based on AUV mapping data and lava flow ages. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3364-3391.	2.5	37
20	Volcanologic and tectonic evolution of the Kasuga seamounts, northern Mariana Trough: Alvin submersible investigations. <i>Journal of Volcanology and Geothermal Research</i> , 1997, 79, 277-311.	2.1	32
21	Spatial and Temporal Scale of Mantle Enrichment at the Endeavour Segment, Juan de Fuca Ridge. <i>Journal of Petrology</i> , 2016, 57, 863-896.	2.8	25
22	Petrological variability of recent magmatism at Axial Seamount summit, Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4306-4333.	2.5	24
23	Thorium isotope evidence for melting of the mafic oceanic crust beneath the Izu arc. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 186, 49-70.	3.9	24
24	The missing half of the subduction factory: shipboard results from the Izu rear arc, IODP Expedition 350. <i>International Geology Review</i> , 2017, 59, 1677-1708.	2.1	23
25	Origin of geochemical mantle components: Role of spreading ridges and thermal evolution of mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 697-734.	2.5	20
26	Tuffaceous Mud is a Volumetrically Important Volcaniclastic Facies of Submarine Arc Volcanism and Record of Climate Change. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1217-1243.	2.5	19
27	Reply to comment by I. Pineda-Velasco, T. T. Nguyen, H. Kitagawa, and E. Nakamura on "Diverse magmatic effects of subducting a hot slab in SW Japan: Results from forward modeling". <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2853-2857.	2.5	16
28	Basalt Geochemistry and Mantle Flow During Early Backarc Basin Evolution: Havre Trough and Kermadec Arc, Southwest Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009339.	2.5	10
29	Ar-Ar age constraints on the timing of Havre Trough opening and magmatism. <i>New Zealand Journal of Geology, and Geophysics</i> , 2019, 62, 371-377.	1.8	8
30	The earliest stage of Izu rear-arc volcanism revealed by drilling at Site U1437, International Ocean Discovery Program Expedition 350. <i>Island Arc</i> , 2020, 29, e12340.	1.1	8
31	Rescue of long-tail data from the ocean bottom to the Moon: IEDA Data Rescue Mini-Awards. <i>GeoResJ</i> , 2015, 6, 108-114.	1.4	6
32	Across-Arc Diversity in Rhyolites From an Intra-oceanic Arc: Evidence From IODP Site U1437, Izu-Bonin Rear Arc, and Surrounding Area. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008353.	2.5	6
33	Juvenile continental crust evolution in a modern oceanic arc setting: Petrogenesis of Cenozoic felsic plutons in Fiji, SW Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 339-365.	3.9	6
34	Sr, Nd, Hf and Pb isotope geochemistry of Early Miocene shoshonitic lavas from the South Fiji Basin: note. <i>New Zealand Journal of Geology, and Geophysics</i> , 2022, 65, 374-379.	1.8	3
35	Spreading Dynamics of an Intermediate Ridge: Insights from U-series Disequilibria, Endeavour Segment, Juan de Fuca Ridge. <i>Journal of Petrology</i> , 2018, 59, 1847-1868.	2.8	2
36	The First 10 Million Years of Rear-arc Magmas Following Backarc Basin Formation Behind the Izu Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009114.	2.5	2