

# Julie Prytulak

## List of Publications by Year in descending order

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57  
papers

2,771  
citations

186265

28  
h-index

182427

51  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of the Popocatepetl Volcanic Complex: constraints on periodic edifice construction and destruction by sector collapse. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	2
2	Magma recharge patterns control eruption styles and magnitudes at Popocatepetl volcano (Mexico). <i>Geology</i> , 2022, 50, 366-370.	4.4	9
3	Identifying Tethys oceanic fingerprint in post-collisional potassium-rich lavas in Tibet using thallium isotopes. <i>Chemical Geology</i> , 2022, 607, 121013.	3.3	4
4	Magmatic Response to Subduction Initiation, Part II: Boninites and Related Rocks of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	2.5	52
5	Nature of the Cuvier Abyssal Plain crust, offshore NW Australia. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	8
6	Thallium elemental and isotopic systematics in ocean island lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 301, 187-210.	3.9	6
7	Thallium Isotopic Compositions in Hawaiian Lavas: Evidence for Recycled Materials on the Kea Side of the Hawaiian Mantle Plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009765.	2.5	5
8	Formation mechanisms of macroscopic globules in andesitic glasses from the Izu-Bonin-Mariana forearc (IODP Expedition 352). <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	4
9	Thallium isotopic composition of phlogopite in kimberlite-hosted MARID and PIC mantle xenoliths. <i>Chemical Geology</i> , 2020, 531, 119347.	3.3	7
10	A multi-proxy investigation of mantle oxygen fugacity along the Reykjanes Ridge. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115973.	4.4	13
11	A Pyroxenic View on Magma Hybridization and Crystallization at Popocatepetl Volcano, Mexico. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	25
12	Nitrogen Mass Fraction and Stable Isotope Ratios for Fourteen Geological Reference Materials: Evaluating the Applicability of Elemental Analyser Versus Sealed Tube Combustion Methods. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 537-551.	3.1	15
13	Rapid subduction initiation and magmatism in the Western Pacific driven by internal vertical forces. <i>Nature Communications</i> , 2020, 11, 1874.	12.8	66
14	Cu and Zn isotope fractionation during extreme chemical weathering. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 263, 85-107.	3.9	49
15	Radiogenic isotopes document the start of subduction in the Western Pacific. <i>Earth and Planetary Science Letters</i> , 2019, 518, 197-210.	4.4	90
16	The vanadium isotopic composition of lunar basalts. <i>Earth and Planetary Science Letters</i> , 2019, 511, 12-24.	4.4	12
17	Magmatic Response to Subduction Initiation: Part 1. Forearc Basalts of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 314-338.	2.5	113
18	Nucleosynthetic vanadium isotope heterogeneity of the early solar system recorded in chondritic meteorites. <i>Earth and Planetary Science Letters</i> , 2019, 505, 131-140.	4.4	23

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19	Interplian effusive activity at Popocatepetl volcano, Mexico: New insights into evolution and dynamics of the plumbing system. <i>Volcanica</i> , 2019, 2, 45-72.	1.8	19
20	Interplay of crystal fractionation, sulfide saturation and oxygen fugacity on the iron isotope composition of arc lavas: An example from the Marianas. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 226, 224-243.	3.9	60
21	Thallium Mass Fraction and Stable Isotope Ratios of Sixteen Geological Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 339-360.	3.1	11
22	Experimental calibration of vanadium partitioning and stable isotope fractionation between hydrous granitic melt and magnetite at 800°C and 0.5 GPa. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	29
23	Assessing Thallium Elemental Systematics and Isotope Ratio Variations in Porphyry Ore Systems: A Case Study of the Bingham Canyon District. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 548.	2.0	6
24	Mantle wedge temperatures and their potential relation to volcanic arc location. <i>Earth and Planetary Science Letters</i> , 2018, 501, 67-77.	4.4	52
25	Thallium concentration and thallium isotope composition of lateritic terrains. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 446-462.	3.9	27
26	Subduction initiation and ophiolite crust: new insights from IODP drilling. <i>International Geology Review</i> , 2017, 59, 1439-1450.	2.1	145
27	Investigation and Application of Thallium Isotope Fractionation. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 759-798.	4.8	70
28	Application of a handheld X-ray fluorescence spectrometer for real-time, high-density quantitative analysis of drilled igneous rocks and sediments during IODP Expedition 352. <i>Chemical Geology</i> , 2017, 451, 55-66.	3.3	44
29	Thallium isotopes as tracers of recycled materials in subduction zones: Review and new data for lavas from Tonga-Kermadec and Central America. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 339, 23-40.	2.1	30
30	Thallium elemental behavior and stable isotope fractionation during magmatic processes. <i>Chemical Geology</i> , 2017, 448, 71-83.	3.3	36
31	Stable vanadium isotopes as a redox proxy in magmatic systems?. <i>Geochemical Perspectives Letters</i> , 2017, , 75-84.	5.0	33
32	Tracking along-arc sediment inputs to the Aleutian arc using thallium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 181, 217-237.	3.9	56
33	Reconciling mantle wedge thermal structure with arc lava thermobarometric determinations in oceanic subduction zones. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4105-4127.	2.5	31
34	The stable isotope composition of vanadium, nickel, and molybdenum in crude oils. <i>Applied Geochemistry</i> , 2015, 59, 104-117.	3.0	65
35	Vanadium isotopic difference between the silicate Earth and meteorites. <i>Earth and Planetary Science Letters</i> , 2014, 389, 167-175.	4.4	35
36	Melting versus contamination effects on $^{238}\text{U}$ - $^{230}\text{Th}$ - $^{226}\text{Ra}$ and $^{235}\text{U}$ - $^{231}\text{Pa}$ disequilibria in lavas from São Miguel, Azores. <i>Chemical Geology</i> , 2014, 381, 94-109.	3.3	20

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37	A new method for the determination of low-level actinium-227 in geological samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 279-283.	1.5	7
38	The stable vanadium isotope composition of the mantle and mafic lavas. <i>Earth and Planetary Science Letters</i> , 2013, 365, 177-189.	4.4	68
39	Assessing the utility of thallium and thallium isotopes for tracing subduction zone inputs to the Mariana arc. <i>Chemical Geology</i> , 2013, 345, 139-149.	3.3	63
40	Recent volcanic accretion at 9°N East Pacific Rise as resolved by combined geochemical and geological observations. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2547-2574.	2.5	19
41	The Hf-Nd isotopic composition of marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5903-5926.	3.9	449
42	Understanding melt generation beneath the slow-spreading Kolbeinsey Ridge using <sup>238</sup> U, <sup>230</sup> Th, and <sup>231</sup> Pa excesses. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6300-6329.	3.9	33
43	Determination of Precise and Accurate <sup>51</sup> V/ <sup>50</sup> V Isotope Ratios by Multi-Collector ICP-MS, Part 2: Isotopic Composition of Six Reference Materials plus the Allende Chondrite and Verification Tests. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 307-318.	3.1	50
44	Determination of Precise and Accurate <sup>51</sup> V/ <sup>50</sup> V Isotope Ratios by MC-ICP-MS, Part 1: Chemical Separation of Vanadium and Mass Spectrometric Protocols. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 293-306.	3.1	60
45	Determining melt productivity of mantle sources from <sup>238</sup> U- <sup>230</sup> Th and <sup>235</sup> U- <sup>231</sup> Pa disequilibria; an example from Pico Island, Azores. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2103-2122.	3.9	49
46	Assessment of USGS BCR-2 as a Reference Material for Silicate Rock U-Pa Disequilibrium Measurements. <i>Geostandards and Geoanalytical Research</i> , 2008, 32, 55-63.	1.9	22
47	An Inter-Laboratory Assessment of the Thorium Isotopic Composition of Synthetic and Rock Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2008, 32, 65-91.	1.9	130
48	No change in the neodymium isotope composition of deep water exported from the North Atlantic on glacial-interglacial time scales. <i>Geology</i> , 2007, 35, 37.	4.4	55
49	TiO <sub>2</sub> enrichment in ocean island basalts. <i>Earth and Planetary Science Letters</i> , 2007, 263, 388-403.	4.4	222
50	Procedures for accurate U and Th isotope measurements by high precision MC-ICPMS. <i>International Journal of Mass Spectrometry</i> , 2007, 264, 97-109.	1.5	161
51	Astoria Fan sediments, DSDP site 174, Cascadia Basin: Hf-Nd-Pb constraints on provenance and outburst flooding. <i>Chemical Geology</i> , 2006, 233, 276-292.	3.3	45
52	Expedition 352 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	9
53	Expedition 352 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	32
54	Site U1439. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	9

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55	Site U1440. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6
56	Site U1441. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5
57	Site U1442. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5