

# Philip E Janney

## List of Publications by Year in descending order

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42  
papers

4,049  
citations

136950

32  
h-index

276875

41  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Petrology and geochemistry of Camiguin Island, southern Philippines: insights to the source of adakites and other lavas in a complex arc setting. <i>Contributions To Mineralogy and Petrology</i> , 1999, 134, 33-51.	3.1	917
2	Magnesium isotope heterogeneity of the isotopic standard SRM980 and new reference materials for magnesium-isotope-ratio measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1352.	3.0	367
3	Clues from Fe Isotope Variations on the Origin of Early Archean BIFs from Greenland. <i>Science</i> , 2004, 306, 2077-2080.	12.6	254
4	Magnesium isotope fractionation in silicate melts by chemical and thermal diffusion. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 206-220.	3.9	201
5	The early differentiation history of Mars from $^{182}\text{W}$ - $^{142}\text{Nd}$ isotope systematics in the SNC meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4557-4571.	3.9	173
6	Chromatographic Separation and Multicollection-ICPMS Analysis of Iron. Investigating Mass-Dependent and -Independent Isotope Effects. <i>Analytical Chemistry</i> , 2004, 76, 5855-5863.	6.5	150
7	$^{238}\text{U}$ / $^{235}\text{U}$ Variations in Meteorites: Extant $^{247}\text{Cm}$ and Implications for Pb-Pb Dating. <i>Science</i> , 2010, 327, 449-451.	12.6	150
8	Elemental and isotopic fractionation of Type B CAI-like liquids by evaporation. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5544-5564.	3.9	128
9	Mesozoic thermal evolution of the southern African mantle lithosphere. <i>Lithos</i> , 2003, 71, 273-287.	1.4	118
10	Rapid accretion and differentiation of iron meteorite parent bodies inferred from $^{182}\text{Hf}$ – $^{182}\text{W}$ chronometry and thermal modeling. <i>Earth and Planetary Science Letters</i> , 2008, 273, 94-104.	4.4	115
11	Hafnium Isotope and Trace Element Constraints on the Nature of Mantle Heterogeneity beneath the Central Southwest Indian Ridge ( $13^{\circ}\text{E}$ to $47^{\circ}\text{E}$ ). <i>Journal of Petrology</i> , 2005, 46, 2427-2464.	2.8	113
12	A Chemical and Multi-Isotope Study of the Western Cape Olivine Melilitite Province, South Africa: Implications for the Sources of Kimberlites and the Origin of the HIMU Signature in Africa. <i>Journal of Petrology</i> , 2002, 43, 2339-2370.	2.8	94
13	Tungsten Nuclear Anomalies in Planetary Cores. <i>Astrophysical Journal</i> , 2008, 674, 1234-1241.	4.5	78
14	Iron isotope, major and trace element characterization of early Archean supracrustal rocks from SW Greenland: Protolith identification and metamorphic overprint. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4745-4770.	3.9	75
15	Isotopic mass fractionation laws for magnesium and their effects on $^{26}\text{Al}$ – $^{26}\text{Mg}$ systematics in solar system materials. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 158, 245-261.	3.9	74
16	Geochemistry of Mesozoic Pacific mid-ocean ridge basalt: Constraints on melt generation and the evolution of the Pacific upper mantle. <i>Journal of Geophysical Research</i> , 1997, 102, 5207-5229.	3.3	71
17	Age, Composition and Thermal Characteristics of South African Off-Craton Mantle Lithosphere: Evidence for a Multi-Stage History. <i>Journal of Petrology</i> , 2010, 51, 1849-1890.	2.8	71
18	Basalts from the Central Pacific Basin: Evidence for the origin of Cretaceous igneous complexes in the Jurassic western Pacific. <i>Journal of Geophysical Research</i> , 1996, 101, 2875-2893.	3.3	68

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19	$^{26}\text{Al}$ - $^{26}\text{Mg}$ systematics in Dâ€™Orbigny and Sahara 99555 angrites: Implications for high-resolution chronology using extinct chronometers. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5202-5211.	3.9	67
20	EARLY SOLAR NEBULA CONDENSATES WITH CANONICAL, NOT SUPRACANONICAL, INITIAL $^{26}\text{Al}/^{27}\text{Al}$ RATIOS. <i>Astrophysical Journal Letters</i> , 2010, 711, L117-L121.	8.3	67
21	Kimberlites as Geochemical Probes of Earthâ€™s Mantle. <i>Elements</i> , 2019, 15, 387-392.	0.5	66
22	Ancient relative and absolute ages for a basaltic meteorite: Implications for timescales of planetesimal accretion and differentiation. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5189-5201.	3.9	59
23	Geochemical evidence from the Pukapuka volcanic ridge system for a shallow enriched mantle domain beneath the South Pacific Superswell. <i>Earth and Planetary Science Letters</i> , 2000, 181, 47-60.	4.4	58
24	Arago Seamount: The missing hotspot found in the Austral Islands. <i>Geology</i> , 2002, 30, 1023.	4.4	55
25	Geochemistry of the oldest Atlantic oceanic crust suggests mantle plume involvement in the early history of the central Atlantic Ocean. <i>Earth and Planetary Science Letters</i> , 2001, 192, 291-302.	4.4	52
26	New geochemical constraints on the origins of MARID and PIC rocks: Implications for mantle metasomatism and mantle-derived potassic magmatism. <i>Lithos</i> , 2018, 318-319, 478-493.	1.4	50
27	Progressive metasomatism of the mantle by kimberlite melts: Srâ€™Ndâ€™Hfâ€™Pb isotope compositions of MARID and PIC minerals. <i>Earth and Planetary Science Letters</i> , 2019, 509, 15-26.	4.4	43
28	Absence of a high time-integrated $^3\text{He}/(\text{U}+\text{Th})$ source in the mantle beneath continents. <i>Geology</i> , 2005, 33, 733.	4.4	42
29	Isotope geochemistry of the Darwin Rise seamounts and the nature of long-term mantle dynamics beneath the south central Pacific. <i>Journal of Geophysical Research</i> , 1999, 104, 10571-10589.	3.3	41
30	Experimental evaporation of Mg- and Si-rich melts: Implications for the origin and evolution of FUN CAIs. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 368-384.	3.9	39
31	High Precision Measurements of Non-Mass-Dependent Effects in Nickel Isotopes in Meteoritic Metal via Multicollector ICPMS. <i>Analytical Chemistry</i> , 2006, 78, 8477-8484.	6.5	36
32	Matrix effects in the analysis of Mg and Si isotope ratios in natural and synthetic glasses by laser ablation-multicollector ICPMS: A comparison of single- and double-focusing mass spectrometers. <i>Chemical Geology</i> , 2011, 281, 26-40.	3.3	35
33	Oxygen isotope systematics of South African olivine melilitites and implications for HIMU mantle reservoirs. <i>Lithos</i> , 2014, 202-203, 76-84.	1.4	33
34	Massâ€™dependent fractionation of nickel isotopes in meteoritic metal. <i>Meteoritics and Planetary Science</i> , 2007, 42, 2067-2077.	1.6	31
35	Analytical Developments for High-Precision Measurements of W Isotopes in Iron Meteorites. <i>Analytical Chemistry</i> , 2007, 79, 3148-3154.	6.5	18
36	Nickel isotopic anomalies in troilite from iron meteorites. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	17

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37	Cratons, kimberlites and diamonds: selected papers of the 11th International Kimberlite Conference. <i>Mineralogy and Petrology</i> , 2018, 112, 1-3.	1.1	6
38	Cr-poor and Cr-rich clinopyroxene and garnet megacrysts from southern African Group 1 and Group 2 kimberlites: Clues to megacryst origins and their relationship to kimberlites. <i>Lithos</i> , 2021, 396-397, 106231.	1.4	6
39	A Technology of Multiple Smelting Furnaces per Termite Mound: Iron Production in Chongwe, Lusaka, Zambia. <i>Journal of African Archaeology</i> , 2020, 18, 67-85.	0.6	5
40	A Systems Approach to Modeling Watershed Ecohydrology and Pesticide Transport. <i>Journal of Environmental Quality</i> , 2019, 48, 1047-1056.	2.0	3
41	Passive sampling and ecohydrologic modeling to investigate pesticide surface water loading in the Zollner Creek watershed, Oregon, USA. <i>Science of the Total Environment</i> , 2022, 819, 152955.	8.0	1
42	Emplacement age of the Tshibwe kimberlite, Democratic Republic of Congo, by in-situ LAM-ICPMS U/Pb dating of groundmass perovskite. <i>Journal of African Earth Sciences</i> , 2019, 157, 103502.	2.0	0