

# Neil R Bennett

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

248  
citations

1307594

7  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Results on Fractionation of the Highly Siderophile Elements (HSE) at Variable Pressures and Temperatures during Planetary and Magmatic Differentiation. <i>Reviews in Mineralogy and Geochemistry</i> , 2016, 81, 1-87.	4.8	90
2	Early episodes of high-pressure core formation preserved in plume mantle. <i>Nature</i> , 2018, 553, 491-495.	27.8	38
3	Insufficient Energy From MgO Exsolution to Power Early Geodynamo. <i>Geophysical Research Letters</i> , 2017, 44, 11,376.	4.0	24
4	Abundance of highly siderophile elements in lunar basalts controlled by iron sulfide melt. <i>Nature Geoscience</i> , 2019, 12, 701-706.	12.9	24
5	The isotope effect for Mg-Fe interdiffusion in olivine and its dependence on crystal orientation, composition and temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 463-480.	3.9	21
6	Controls on the solubility of rhenium in silicate melt: Implications for the osmium isotopic composition of Earth's mantle. <i>Earth and Planetary Science Letters</i> , 2013, 361, 320-332.	4.4	19
7	Iron isotope fractionation at the core-mantle boundary by thermodiffusion. <i>Nature Geoscience</i> , 2020, 13, 382-386.	12.9	13
8	Soret separation of highly siderophile elements in Fe-Ni-S melts: Implications for solid metal-liquid metal partitioning. <i>Earth and Planetary Science Letters</i> , 2010, 298, 299-305.	4.4	7
9	Additive manufacturing of platinum group element (PGE) reference materials with a silica matrix. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8627.	1.5	6
10	Incompatibility of argon during magma ocean crystallization. <i>Earth and Planetary Science Letters</i> , 2021, 553, 116598.	4.4	4
11	Metal-silicate Partitioning at High Pressure and Temperature: Experimental Methods and a Protocol to Suppress Highly Siderophile Element Inclusions. <i>Journal of Visualized Experiments</i> , 2015, , e52725.	0.3	1
12	Pressure, sulfur, and metal-silicate partitioning: The effect of sulfur species on the parameterization of experimental results. <i>American Mineralogist</i> , 2018, 103, 1068-1079.	1.9	1
13	A Synthesis of Instrumental Analytical Techniques for Examination of the Thermal History of Pallasite Meteorites. <i>Microscopy and Microanalysis</i> , 2014, 20, 1690-1691.	0.4	0