

# Elise Knittle

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,849  
citations

471371

17  
h-index

887953

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical equation of state of cubic boron nitride. <i>Nature</i> , 1989, 337, 349-352.	13.7	307
2	Thermal expansion of silicate perovskite and stratification of the Earth's mantle. <i>Nature</i> , 1986, 319, 214-216.	13.7	240
3	Simulating the core-mantle boundary: An experimental study of high-pressure reactions between silicates and liquid iron. <i>Geophysical Research Letters</i> , 1989, 16, 609-612.	1.5	189
4	High-pressure metallization of FeO and implications for the Earth's core. <i>Geophysical Research Letters</i> , 1986, 13, 1541-1544.	1.5	121
5	Melting curve of (Mg,Fe)SiO <sub>3</sub> perovskite to 96 GPa: Evidence for a structural transition in lower mantle melts. <i>Geophysical Research Letters</i> , 1989, 16, 421-424.	1.5	102
6	Stability and equation of state of Fe <sub>3</sub> C to 73 GPa: Implications for carbon in the Earth's core. <i>Geophysical Research Letters</i> , 2001, 28, 1875-1878.	1.5	97
7	Carbonate stability in the Earth's mantle: A vibrational spectroscopic study of aragonite and dolomite at high pressures and temperatures. <i>Journal of Geophysical Research</i> , 1991, 96, 17997-18009.	3.3	94
8	The high-pressure phase diagram of Fe <sub>0.94</sub> O: A possible constituent of the Earth's core. <i>Journal of Geophysical Research</i> , 1991, 96, 16169-16180.	3.3	89
9	Static Compression Measurements of Equations of State. <i>AGU Reference Shelf</i> , 0, , 98-142.	0.6	86
10	High-pressure X-Ray diffraction and optical absorption studies of CsI. <i>Journal of Physics and Chemistry of Solids</i> , 1985, 46, 1179-1184.	1.9	79
11	High-pressure phase transition in CsBr. <i>Physical Review B</i> , 1985, 31, 588-590.	1.1	76
12	The high-pressure melting curve of iron: A technical discussion. <i>Journal of Geophysical Research</i> , 1991, 96, 2171-2184.	3.3	76
13	The equation of state, amorphization, and high-pressure phase diagram of muscovite. <i>Journal of Geophysical Research</i> , 1994, 99, 19785-19792.	3.3	59
14	Ultralow Compressibility Silicate without Highly Coordinated Silicon. <i>Physical Review Letters</i> , 2001, 88, 015506.	2.9	59
15	Static compression of $\mu$ -FeSi and an evaluation of reduced silicon as a deep Earth constituent. <i>Geophysical Research Letters</i> , 1995, 22, 445-448.	1.5	47
16	Static compression of chondrodite: Implications for water in the upper mantle. <i>Geophysical Research Letters</i> , 1994, 21, 1935-1938.	1.5	37
17	Reduction of Mantle and Core Properties to a Standard State by Adiabatic Decompression. , 1986, , 275-309.		33
18	The solid/liquid partitioning of major and radiogenic elements at lower mantle pressures: Implications for the core-mantle boundary region. <i>Geodynamic Series</i> , 1998, , 119-130.	0.1	29

#	ARTICLE	IF	CITATIONS
19	A high-pressure infrared and Raman spectroscopic study of BaCO <sub>3</sub> : the aragonite, trigonal and Pmmn structures. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 83-93.	0.3	29
20	Thermal expansion of silicate perovskite and atratification of the Earth's mantle. , 1988, , 521-523.		0