

Evan Abramson

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,123
citations

361413

20
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

1656
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbonic acid monohydrate. <i>American Mineralogist</i> , 2018, 103, 1468-1472.	1.9	4
2	Water-carbon dioxide solid phase equilibria at pressures above 4 GPa. <i>Scientific Reports</i> , 2017, 7, 821.	3.3	12
3	Thermal Diffusivity of Methanol to a Pressure of 5 GPa. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2128-2131.	1.9	1
4	The water-carbon dioxide miscibility surface to 450 Å°C and 7 GPa. <i>Numerische Mathematik</i> , 2017, 317, 967-989.	1.4	12
5	Three-Phase Melting Curves in the Binary System of Carbon Dioxide and Water. <i>Journal of Physics: Conference Series</i> , 2017, 950, 042019.	0.4	4
6	Recovery of hexagonal Si-IV nanowires from extreme GPa pressure. <i>Journal of Applied Physics</i> , 2016, 119, 185902.	2.5	7
7	Elasticity of calcium and calcium-sodium amphiboles. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 261, 161-171.	1.9	36
8	Speculation on measurements of the viscosity of shocked fluid water. <i>Shock Waves</i> , 2015, 25, 103-106.	1.9	9
9	Viscosity of Fluid Nitrogen to Pressures of 10 GPa. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11792-11796.	2.6	32
10	Experimental determination of chemical diffusion within secondary organic aerosol particles. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2983.	2.8	167
11	Synergy between Secondary Organic Aerosols and Long-Range Transport of Polycyclic Aromatic Hydrocarbons. <i>Environmental Science & Technology</i> , 2012, 46, 12459-12466.	10.0	110
12	Melting curves of argon and methane. <i>High Pressure Research</i> , 2011, 31, 549-554.	1.2	21
13	Viscosity of methane to 6 GPa and 673 K. <i>Physical Review E</i> , 2011, 84, 062201.	2.1	12
14	Viscosity of argon to 5ÅGPa and 673ÅK. <i>High Pressure Research</i> , 2011, 31, 544-548.	1.2	16
15	Viscosity of carbon dioxide measured to a pressure of 8 GPa and temperature of 673 K. <i>Physical Review E</i> , 2009, 80, 021201.	2.1	47
16	Viscosity of nitrogen measured to pressures of 7 GPa and temperatures of 573 K. <i>Physical Review E</i> , 2008, 77, 041202.	2.1	45
17	Speeds of Sound in Fluid Ammonia to 3.8 GPa and 680 K. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 1986-1987.	1.9	4
18	Viscosity of water measured to pressures of 6 and temperatures of 300 Å°	2.1	86

#	ARTICLE	IF	CITATIONS
19	Triclinic elastic constants for low albite. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 256-265.	0.8	98
20	The shear viscosity of supercritical oxygen at high pressure. <i>Journal of Chemical Physics</i> , 2005, 122, 084501.	3.0	12
21	Equation of state of water based on speeds of sound measured in the diamond-anvil cell. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1827-1835.	3.9	91
22	MEASURED SOUND VELOCITIES OF H ₂ O AND CH ₃ OH. <i>High Pressure Research</i> , 2003, 23, 229-233.	1.2	9
23	IMPULSIVE STIMULATED LIGHT SCATTERING AT HIGH PRESSURE-PRECISE DETERMINATION OF ELASTIC CONSTANTS OF OPAQUE MATERIALS. <i>High Pressure Research</i> , 2003, 23, 373-377.	1.2	9
24	Measuring Speed of Sound and Thermal Diffusivity in the Diamond-Anvil Cell. <i>International Journal of Thermophysics</i> , 2001, 22, 405-414.	2.1	8
25	Surface acoustic waves in the diamond anvil cell: An application of impulsive stimulated light scattering. <i>Physical Review B</i> , 2001, 64, .	3.2	19
26	The thermal diffusivity of water at high pressures and temperatures. <i>Journal of Chemical Physics</i> , 2001, 115, 10461.	3.0	36
27	Thermal diffusivity of fluid oxygen to 12 GPa and 300 K. <i>Journal of Chemical Physics</i> , 1999, 111, 9357-9360.	3.0	14
28	Speed of sound and equation of state for fluid oxygen to 10 GPa. <i>Journal of Chemical Physics</i> , 1999, 110, 10493-10497.	3.0	29
29	APPLICATIONS OF IMPULSIVE STIMULATED SCATTERING IN THE EARTH AND PLANETARY SCIENCES. <i>Annual Review of Physical Chemistry</i> , 1999, 50, 279-313.	10.8	46
30	The elastic constants of San Carlos olivine to 17 GPa. <i>Journal of Geophysical Research</i> , 1997, 102, 12253-12263.	3.3	306
31	The thermal diffusivity tensor and lattice dynamics of ¹⁶ O ₂ oxygen at high pressure. <i>Journal of Chemical Physics</i> , 1996, 104, 5424-5428.	3.0	5
32	Elastic constants, interatomic forces, and equation of state of ¹⁶ O ₂ oxygen at high pressure. <i>Journal of Chemical Physics</i> , 1994, 100, 4518-4526.	3.0	15
33	Sound Velocities in Olivine at Earth Mantle Pressures. <i>Science</i> , 1993, 260, 1487-1489.	12.6	102
34	C ₁ Σ ⁺ A ₁ g emission in H ₂ O following two-photon excitation: Dissociation dynamics in the A ₁ g state for different initial states. <i>Journal of Chemical Physics</i> , 1991, 95, 6536-6543.	3.0	10
35	A linear B ₂ state of the water molecule. <i>Journal of Chemical Physics</i> , 1990, 93, 947-950.	3.0	18
36	Fluorescence and stimulated emission S ₁ →S ₀ spectra of acetylene: Regular and ergodic regions. <i>Journal of Chemical Physics</i> , 1985, 83, 453-465.	3.0	167

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37	Evidence of quantum ergodicity in stimulated emission pumping spectra of acetylene. Journal of Chemical Physics, 1985, 83, 466-475.	3.0	112
38	Stimulated emission pumping of acetylene: Evidence for quantum chaotic behavior near 27 \times 10 ³ cm ⁻¹ of excitation?. Journal of Chemical Physics, 1984, 80, 2298-2300.	3.0	141
39	Excitation spectroscopy of the acetylene $\tilde{\nu}_1$ transition in the 220 nm wavelength region. Journal of Chemical Physics, 1982, 76, 2293-2295.	3.0	51
40	Selective vibrational excitation by stimulated emission pumping. Journal of Chemical Physics, 1981, 75, 2056-2059.	3.0	197
41	CHAPTER 4. Viscometers. , 0, , 96-131.		3