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List of articles citing

P-V-T equation of state of platinum to 80GPa and 1900K from internal resistive heating/x-ray diffraction meas

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Journal of Applied Physics, 2008, 103, 054908.

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#	Paper	IF	Citations
57	Lattice dynamics and thermal equation of state of platinum. <i>Physical Review B</i> , 2008 , 78,	3.3	33
56	Experimental method for in situ determination of material textures at simultaneous high pressure and high temperature by means of radial diffraction in the diamond anvil cell. <i>Review of Scientific Instruments</i> , 2009 , 80, 104501	1.7	38
55	An electrical microheater technique for high-pressure and high-temperature diamond anvil cell experiments. <i>Review of Scientific Instruments</i> , 2009 , 80, 013905	1.7	21
54	The equation of state for periclase. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2009 , 33, 737-743	1.9	8
53	In-situ X-ray diffraction measurements of the α/β transition boundary of iron in an internally-heated diamond anvil cell. <i>Earth and Planetary Science Letters</i> , 2009 , 282, 252-257	5.3	55
52	The temperature-pressure-volume equation of state of platinum. <i>Journal of Applied Physics</i> , 2009 , 105, 013505	2.5	46
51	PVT equations of state of MgO and thermodynamics. <i>Physics and Chemistry of Minerals</i> , 2010 , 37, 677-684	4.6	24
50	The physical process of melting and freezing. <i>Solid State Communications</i> , 2010 , 150, 1710-1714	1.6	1
49	X-ray diffraction in the pulsed laser heated diamond anvil cell. <i>Review of Scientific Instruments</i> , 2010 , 81, 113902	1.7	40
48	A simple external resistance heating diamond anvil cell and its application for synchrotron radiation x-ray diffraction. <i>Review of Scientific Instruments</i> , 2010 , 81, 053903	1.7	22
47	Thermodynamics in high-temperature pressure scales on example of MgO. <i>Journal of Physics: Conference Series</i> , 2010 , 215, 012198	0.3	1
46	Space Efficient Opposed-Anvil High-Pressure Cell and Its Application to Optical and NMR Measurements up to 9 GPa. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 024001	1.5	39
45	Compression of FeSi, Fe ₃ C, Fe _{0.95} O, and FeS under the core pressures and implication for light element in the Earth's core. <i>Journal of Geophysical Research</i> , 2010 , 115,		96
44	Thermoelastic properties of ReB ₂ at high pressures and temperatures and comparison with Pt, Os, and Re. <i>Journal of Applied Physics</i> , 2011 , 110, 093518	2.5	6
43	Pressure-volume-temperature equations of state of Au and Pt up to 300 GPa and 3000 K: internally consistent pressure scales. <i>High Pressure Research</i> , 2011 , 31, 560-580	1.6	12
42	The thermodynamics of several elements at high pressure. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011 , 35, 72-81	1.9	35
41	Elastic, thermal and structural properties of platinum. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 169-175	3.9	18

40	Equation of state of the NaCl-B2 phase up to 304 GPa. <i>Journal of Applied Physics</i> , 2011 , 109, 084912	2.5	30
39	Electrical Transport Experiments at High Pressure. <i>Scottish Graduate Series</i> , 2012 , 43-59		
38	Intercomparison of pressure standards (Au, Pt, Mo, MgO, NaCl and Ne) to 2.5 Mbar. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		45
37	Reactivity of xenon with ice at planetary conditions. <i>Physical Review Letters</i> , 2013 , 110, 265501	7.4	36
36	Self-consistent pressure scales based on the equations of state for ruby, diamond, MgO, B2NaCl, as well as Au, Pt, and other metals to 4 Mbar and 3000 K. <i>Russian Geology and Geophysics</i> , 2013 , 54, 181-199	1.7	60
35	Efficient graphite ring heater suitable for diamond-anvil cells to 1300 K. <i>Review of Scientific Instruments</i> , 2013 , 84, 024502	1.7	20
34	Electrical and thermal transport properties of iron and iron-silicon alloy at high pressure. <i>Geophysical Research Letters</i> , 2013 , 40, 5377-5381	4.9	74
33	X-Ray Diffraction at Extreme Conditions: Today and Tomorrow. 2015 , 255-313		1
32	The large volume press facility at ID06 beamline of the European synchrotron radiation facility as a High Pressure-High Temperature deformation apparatus. <i>Review of Scientific Instruments</i> , 2015 , 86, 085112	1.7	29
31	In situ synchrotron X-ray diffraction with laser-heated diamond anvil cells study of Pt up to 95 GPa and 3150 K. <i>RSC Advances</i> , 2015 , 5, 14603-14609	3.7	7
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27	Evaluation of Pt and Au pressure scales based on MgO absolute pressure scale. <i>Science China Earth Sciences</i> , 2017 , 60, 114-123	4.6	
26	First Principles Thermodynamics of Minerals at HPHT Conditions: MgO as a Prototypical Material. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 183	2.4	18
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23	In situ characterization of the high pressure - high temperature melting curve of platinum. <i>Scientific Reports</i> , 2019 , 9, 13034	4.9	44

22	Laser heating setup for diamond anvil cells for in situ synchrotron and in house high and ultra-high pressure studies. <i>Review of Scientific Instruments</i> , 2019 , 90, 104501	1.7	27
21	Melting curve of iron to 290 GPa determined in a resistance-heated diamond-anvil cell. <i>Earth and Planetary Science Letters</i> , 2019 , 510, 45-52	5.3	48
20	Reevaluation of metal interconnectivity in a partially molten silicate matrix using 3D microtomography. <i>Physics of the Earth and Planetary Interiors</i> , 2020 , 308, 106571	2.3	1
19	A tungsten external heater for BX90 diamond anvil cells with a range up to 1700 K. <i>Review of Scientific Instruments</i> , 2021 , 92, 013903	1.7	7
18	FEM simulation of temperature field in a resistance-heated diamond anvil cell. <i>Journal of Applied Physics</i> , 2021 , 129, 055901	2.5	1
17	Latent heat method to detect melting and freezing of metals at megabar pressures. <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
16	P-V-T Equation of State of Iridium Up to 80 GPa and 3100 K. <i>Crystals</i> , 2021 , 11, 452	2.3	15
15	Evaluation of Force Fields for Molecular Dynamics Simulations of Platinum in Bulk and Nanoparticle Forms. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 4486-4498	6.4	3
14	Internal resistive heating of non-metallic samples to 3000 K and >60 GPa in the diamond anvil cell. <i>Review of Scientific Instruments</i> , 2021 , 92, 063904	1.7	1
13	Establishing gold and platinum standards to 1 terapascal using shockless compression. <i>Science</i> , 2021 , 372, 1063-1068	33.3	18
12	Modification of Lu's (2005) high pressure model for improved high pressure/high temperature extrapolations. Part I: Modeling of platinum at high pressure/high temperature. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2021 , 74, 102304	1.9	1
11	Liquid structure under extreme conditions: high-pressure x-ray diffraction studies. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	1
10	Deformation of NaCoF ₃ perovskite and post-perovskite up to 30 GPa and 1013 K: implications for plastic deformation and transformation mechanism. <i>European Journal of Mineralogy</i> , 2021 , 33, 591-603	2.2	
9	A wide-range multiphase equation of state for platinum. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 435403	1.8	3
8	Hugoniot-Measurement Experiment for the Purpose of Improvement of Pressure Scale. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2010 , 20, 221-229	0	
7	MgO, Au, and Pt Pressure Scales at High Temperatures. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2010 , 20, 202-209	0	
6	Comparison of Room-Temperature Pressure Scales Using Simultaneous Volume Measurements with Laser Annealing Technique. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2010 , 20, 240-243	0	
5	P-V-T Equation of state of gold to high pressure and temperature, derived from statistical moment method. <i>Vacuum</i> , 2022 , 198, 110815	3.7	0

4	Effects of pressure on diffusion creep in wet olivine aggregates. <i>Physics of the Earth and Planetary Interiors</i> , 2022 , 324, 106840	2.3	o
3	Platinum equation of state to greater than two terapascals: Experimental data and analytical models. <i>Physical Review B</i> , 2022 , 105,	3.3	o
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