Jinyuan Yan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Pressure-Dependent Thermal Expansion Coefficient by a Diamond Anvil Cell. International Journal of Thermophysics, 2022, 43, 1.	2.1	1
2	High-pressure phase transitions and melt structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pb</mml:mi><mml:msub><mml:mi mathvariant="normal">O<mml:mn>2</mml:mn></mml:mi </mml:msub></mml:mrow> : An analog for silica. Physical Review B, 2022, 105, .</mml:math 	3.2	1
3	A tungsten external heater for BX90 diamond anvil cells with a range up to 1700 K. Review of Scientific Instruments, 2021, 92, 013903.	1.3	9
4	In situ study on the compression deformation of MoNbTaVW high-entropy alloy. Journal of Alloys and Compounds, 2021, 871, 159557.	5.5	7
5	Performance of Carbide Alloy Compounds in Carbon Doped MoNbTaW. Crystals, 2021, 11, 1073.	2.2	0
6	Origin of Plasticity in Nanostructured Silicon. Physical Review Letters, 2020, 124, 185701.	7.8	13
7	High-pressure strengthening in ultrafine-grained metals. Nature, 2020, 579, 67-72.	27.8	96
8	Radial Xâ€Ray Diffraction Study of Superhard Early Transition Metal Dodecaborides under High Pressure. Advanced Functional Materials, 2019, 29, 1900293.	14.9	12
9	Pressure-induced phase transition in the AlCoCrFeNi high-entropy alloy. Scripta Materialia, 2019, 161, 88-92.	5.2	33
10	Implementation and application of the peak scaling method for temperature measurement in the laser heated diamond anvil cell. Review of Scientific Instruments, 2018, 89, 083903.	1.3	19
11	Polymorphism in a high-entropy alloy. Nature Communications, 2017, 8, 15687.	12.8	192
12	Deformation Behavior across the Zircon-Scheelite Phase Transition. Physical Review Letters, 2016, 117, 135701.	7.8	37
13	Detecting grain rotation at the nanoscale. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3350-3353.	7.1	54
14	Texture of Nanocrystalline Nickel: Probing the Lower Size Limit of Dislocation Activity. Science, 2012, 338, 1448-1451.	12.6	101
15	HgO at high pressures: the transition to the NaCl structure (HgO-III) and the equation of state of tetragonal HgO-II. Physics and Chemistry of Minerals, 2012, 39, 269-275.	0.8	3
16	Determination of the variation of the fluorescence line positions of ruby, strontium tetraborate, alexandrite, and samarium-doped yttrium aluminum garnet with pressure and temperature. Journal of Applied Physics, 2011, 110, .	2.5	31
17	Investigation of phase transition of mercury decomposed from mercury oxide up to 20ÂGPa. High Pressure Research, 2011, 31, 555-559.	1.2	2
18	The resistive-heating characterization of laser heating system and LaB6 characterization of X-ray diffraction of beamline 12.2.2 at advanced light source. Journal of Physics and Chemistry of Solids, 2010. 71. 1179-1182.	4.0	12