

Jinyuan Yan

List of Publications by Year in descending order

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1051969

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18
times ranked

1144
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-Dependent Thermal Expansion Coefficient by a Diamond Anvil Cell. <i>International Journal of Thermophysics</i> , 2022, 43, 1.	1.0	1
2	High-pressure phase transitions and melt structure of PbO_2 : An analog for silica. <i>Physical Review B</i> , 2022, 105, .	1.1	1
3	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.	0.6	9
4	In situ study on the compression deformation of MoNbTaVW high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159557.	2.8	7
5	Performance of Carbide Alloy Compounds in Carbon Doped MoNbTaW. <i>Crystals</i> , 2021, 11, 1073.	1.0	0
6	Origin of Plasticity in Nanostructured Silicon. <i>Physical Review Letters</i> , 2020, 124, 185701.	2.9	13
7	High-pressure strengthening in ultrafine-grained metals. <i>Nature</i> , 2020, 579, 67-72.	13.7	96
8	Radial X-ray Diffraction Study of Superhard Early Transition Metal Dodecaborides under High Pressure. <i>Advanced Functional Materials</i> , 2019, 29, 1900293.	7.8	12
9	Pressure-induced phase transition in the AlCoCrFeNi high-entropy alloy. <i>Scripta Materialia</i> , 2019, 161, 88-92.	2.6	33
10	Implementation and application of the peak scaling method for temperature measurement in the laser heated diamond anvil cell. <i>Review of Scientific Instruments</i> , 2018, 89, 083903.	0.6	19
11	Polymorphism in a high-entropy alloy. <i>Nature Communications</i> , 2017, 8, 15687.	5.8	192
12	Deformation Behavior across the Zircon-Scheelite Phase Transition. <i>Physical Review Letters</i> , 2016, 117, 135701.	2.9	37
13	Detecting grain rotation at the nanoscale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3350-3353.	3.3	54
14	Texture of Nanocrystalline Nickel: Probing the Lower Size Limit of Dislocation Activity. <i>Science</i> , 2012, 338, 1448-1451.	6.0	101
15	HgO at high pressures: the transition to the NaCl structure (HgO-III) and the equation of state of tetragonal HgO-II. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 269-275.	0.3	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. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	31
17	Investigation of phase transition of mercury decomposed from mercury oxide up to 20 GPa. <i>High Pressure Research</i> , 2011, 31, 555-559.	0.4	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. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1179-1182.	1.9	12