

Jinyuan Yan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6114120/publications.pdf>

Version: 2024-02-01

18
papers

623
citations

933447

10
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphism in a high-entropy alloy. <i>Nature Communications</i> , 2017, 8, 15687.	12.8	192
2	Texture of Nanocrystalline Nickel: Probing the Lower Size Limit of Dislocation Activity. <i>Science</i> , 2012, 338, 1448-1451.	12.6	101
3	High-pressure strengthening in ultrafine-grained metals. <i>Nature</i> , 2020, 579, 67-72.	27.8	96
4	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.	7.1	54
5	Deformation Behavior across the Zircon-Scheelite Phase Transition. <i>Physical Review Letters</i> , 2016, 117, 135701.	7.8	37
6	Pressure-induced phase transition in the AlCoCrFeNi high-entropy alloy. <i>Scripta Materialia</i> , 2019, 161, 88-92.	5.2	33
7	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, .	2.5	31
8	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.	1.3	19
9	Origin of Plasticity in Nanostructured Silicon. <i>Physical Review Letters</i> , 2020, 124, 185701.	7.8	13
10	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.	4.0	12
11	Radial X-ray Diffraction Study of Superhard Early Transition Metal Dodecaborides under High Pressure. <i>Advanced Functional Materials</i> , 2019, 29, 1900293.	14.9	12
12	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.	1.3	9
13	In situ study on the compression deformation of MoNbTaVW high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159557.	5.5	7
14	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.	0.8	3
15	Investigation of phase transition of mercury decomposed from mercury oxide up to 20 GPa. <i>High Pressure Research</i> , 2011, 31, 555-559.	1.2	2
16	Pressure-Dependent Thermal Expansion Coefficient by a Diamond Anvil Cell. <i>International Journal of Thermophysics</i> , 2022, 43, 1.	2.1	1
17	High-pressure phase transitions and melt structure of PbO : An analog for silica. <i>Physical Review B</i> , 2022, 105, .	3.2	1
18	Performance of Carbide Alloy Compounds in Carbon Doped MoNbTaW. <i>Crystals</i> , 2021, 11, 1073.	2.2	0