

Chuanlong Lin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4371113/publications.pdf>

Version: 2024-02-01

28
papers

536
citations

623574

14
h-index

642610

23
g-index

30
all docs

30
docs citations

30
times ranked

1217
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced iso-structural phase transition and metallization in WSe ₂ . Scientific Reports, 2017, 7, 46694.	1.6	50
2	New developments in micro-X-ray diffraction and X-ray absorption spectroscopy for high-pressure research at 16-BM-D at the Advanced Photon Source. Review of Scientific Instruments, 2015, 86, 072205.	0.6	45
3	Pressure-induced reemergence of superconductivity in topological insulator Sr _{0.065} Bi ₂ Se ₃ . Physical Review B, 2016, 93, .	1.1	44
4	Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. Nature Chemistry, 2014, 6, 835-839.	6.6	42
5	Defect accumulation in ThO ₂ irradiated with swift heavy ions. Nuclear Instruments & Methods in Physics Research B, 2014, 326, 169-173.	0.6	41
6	Charge transfer in spinel Co ₃ O ₄ at high pressures. Journal of Physics Condensed Matter, 2012, 24, 435401.	0.7	36
7	Topological Dirac line nodes and superconductivity coexist in SnSe at high pressure. Physical Review B, 2017, 96, .	1.1	35
8	A metastable liquid melted from a crystalline solid under decompression. Nature Communications, 2017, 8, 14260.	5.8	26
9	Pressure-induced superconductivity in topological semimetal NbAs ₂ . Npj Quantum Materials, 2018, 3, .	1.8	25
10	Calcium with the Å-tin structure at high pressure and low temperature. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16459-16462.	3.3	23
11	Long-Range Ordered Amorphous Atomic Chains as Building Blocks of a Superconducting Quasi-One-Dimensional Crystal. Advanced Materials, 2020, 32, e2002352.	11.1	20
12	Experimental evidence of crystal symmetry protection for the topological nodal line semimetal state in ZrSiS. Physical Review B, 2019, 100, .	1.1	19
13	X-ray Diffraction, Lattice Structure, and Equation of State of PdH _x and PdD _x to Megabar Pressures. Journal of Physical Chemistry C, 2017, 121, 27327-27331.	1.5	16
14	Structural characteristic correlated to the electronic band gap in MoS_2 . Physical Review B, 2016, 94, .	1.1	14
15	Robust high pressure stability and negative thermal expansion in sodium-rich antiperovskites Na ₃ OBr and Na ₄ OI ₂ . Journal of Applied Physics, 2016, 119, .	1.1	13
16	High pressure Laue diffraction and its application to study microstructural changes during the $\hat{\Gamma}_6^- \rightarrow \hat{\Gamma}_2^+$ phase transition in Si. Review of Scientific Instruments, 2015, 86, 072204.	0.6	12
17	Pressure-induced anomalous enhancement of insulating state and isosymmetric structural transition in quasi-one-dimensional TiS_3 . Physical Review B, 2016, 94, .	1.1	12
18	Pressure-induced topological insulator-to-metal transition and superconductivity in Sn-doped Bi_2Se_3 . Physical Review B, 2016, 94, .	1.1	9

#	ARTICLE	IF	CITATIONS
19	Probing disorder in high-pressure cubic tin (IV) oxide: a combined X-ray diffraction and absorption study. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1245-1252.	1.0	8
20	High pressure and temperature equation of state and spectroscopic study of CeO ₂ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 155401.	0.7	7
21	Cationic Dependence of X-ray Induced Damage in Strontium and Barium Nitrate. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8722-8728.	1.1	6
22	Orientation-Dependent Hydration Structures at Yttria-Stabilized Cubic Zirconia Surfaces. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29089-29097.	1.5	5
23	High pressure structural study of samarium doped CeO ₂ oxygen vacancy conductor " Insight into the dopant concentration relationship to the strain effect in thin film ionic conductors. <i>Solid State Ionics</i> , 2016, 292, 59-65.	1.3	4
24	Anomalous Conductivity in the Rutile Structure Driven by Local Disorder. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5351-5356.	2.1	4
25	Real time study of grain enlargement in zirconium under room-temperature compression across the β to β' phase transition. <i>Scientific Reports</i> , 2019, 9, 15712.	1.6	4
26	Shear strength measurements and hydrostatic compression of rhenium diboride under high pressures. <i>Journal of Applied Physics</i> , 2021, 129, 205901.	1.1	4
27	X-Ray Diffraction and Electron Microscopy Studies of the Size Effects on Pressure-Induced Phase Transitions in CdS Nanocrystals. <i>MRS Advances</i> , 2020, 5, 2447-2455.	0.5	3