

# 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	Shear strength measurements and hydrostatic compression of rhenium diboride under high pressures. <i>Journal of Applied Physics</i> , 2021, 129, 205901.	1.1	4
2	Long-Range Ordered Amorphous Atomic Chains as Building Blocks of a Superconducting Quasi-One-Dimensional Crystal. <i>Advanced Materials</i> , 2020, 32, e2002352.	11.1	20
3	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
4	Anomalous Conductivity in the Rutile Structure Driven by Local Disorder. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5351-5356.	2.1	4
5	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
6	Experimental evidence of crystal symmetry protection for the topological nodal line semimetal state in ZrSiS. <i>Physical Review B</i> , 2019, 100, .	1.1	19
7	Real time study of grain enlargement in zirconium under room-temperature compression across the $\hat{\Gamma}_4$ to $\hat{\Gamma}_6$ phase transition. <i>Scientific Reports</i> , 2019, 9, 15712.	1.6	4
8	Tunable multiferroic order parameters in $\text{Sr}_{1-x}\text{Ca}_x\text{Mn}_2\text{O}_7$ . <i>Physical Review B</i> , 2019, 100, .	1.1	19
9	Pressure-induced superconductivity in topological semimetal NbAs <sub>2</sub> . <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	25
10	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
11	Pressure-induced topological insulator-to-metal transition and superconductivity in Sn-doped $\text{Bi}_2\text{Te}_3$ . <i>Physical Review B</i> , 2017, 96, .	1.1	9
12	A metastable liquid melted from a crystalline solid under decompression. <i>Nature Communications</i> , 2017, 8, 14260.	5.8	26
13	Pressure-induced iso-structural phase transition and metallization in WSe <sub>2</sub> . <i>Scientific Reports</i> , 2017, 7, 46694.	1.6	50
14	Topological Dirac line nodes and superconductivity coexist in SnSe at high pressure. <i>Physical Review B</i> , 2017, 96, .	1.1	35
15	Pressure-induced anomalous enhancement of insulating state and isosymmetric structural transition in quasi-one-dimensional $\text{TiS}_3$ . <i>Physical Review B</i> , 2017, 96, .	1.1	12
16	X-ray Diffraction, Lattice Structure, and Equation of State of PdH <sub>x</sub> and Pd <sub>x</sub> to Megabar Pressures. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27327-27331.	1.5	16
17	Orientation-Dependent Hydration Structures at Ytria-Stabilized Cubic Zirconia Surfaces. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29089-29097.	1.5	5
18	Robust high pressure stability and negative thermal expansion in sodium-rich antiperovskites Na <sub>3</sub> OB <sub>2</sub> and Na <sub>4</sub> OI <sub>2</sub> . <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	13

#	ARTICLE	IF	CITATIONS
19	High pressure structural study of samarium doped CeO <sub>2</sub> oxygen vacancy conductor $\delta\epsilon$ Insight into the dopant concentration relationship to the strain effect in thin film ionic conductors. Solid State Ionics, 2016, 292, 59-65.	1.3	4
20	High pressure and temperature equation of state and spectroscopic study of CeO <sub>2</sub> . Journal of Physics Condensed Matter, 2016, 28, 155401.	0.7	7
21	Pressure-induced reemergence of superconductivity in topological insulator Sr <sub>0.065</sub> Bi <sub>2</sub> Se <sub>3</sub> . Physical Review B, 2016, 93, .	1.1	44
22	Structural characteristic correlated to the electronic band gap in $\text{MoS}_2$ . Physical Review B, 2016, 94, .	1.1	14
23	High pressure Laue diffraction and its application to study microstructural changes during the $\hat{\Gamma}_\pm \hat{\Gamma}' \hat{\Gamma}^2$ phase transition in Si. Review of Scientific Instruments, 2015, 86, 072204.	0.6	12
24	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
25	Defect accumulation in ThO <sub>2</sub> irradiated with swift heavy ions. Nuclear Instruments & Methods in Physics Research B, 2014, 326, 169-173.	0.6	41
26	Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. Nature Chemistry, 2014, 6, 835-839.	6.6	42
27	Charge transfer in spinel Co <sub>3</sub> O <sub>4</sub> at high pressures. Journal of Physics Condensed Matter, 2012, 24, 435401.	0.7	36
28	Calcium with the $\hat{A}$ -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