

# Chuanlong Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

575  
citations

623188

14  
h-index

610482

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Online remote control systems for static and dynamic compression and decompression using diamond anvil cells. <i>Review of Scientific Instruments</i> , 2015, 86, 072209.	0.6	64
2	High-pressure x-ray diffraction and Raman spectroscopy of phase transitions in Sm <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	51
3	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. <i>Review of Scientific Instruments</i> , 2015, 86, 072205.	0.6	45
4	Pressure-induced phase transition in cubic Lu <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	39
5	Experimental evidence of low-density liquid water upon rapid decompression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2010-2015.	3.3	39
6	Phase transformation of Ho <sub>2</sub> O <sub>3</sub> at high pressure. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	36
7	Developments in time-resolved high pressure x-ray diffraction using rapid compression and decompression. <i>Review of Scientific Instruments</i> , 2015, 86, 072208.	0.6	32
8	A metastable liquid melted from a crystalline solid under decompression. <i>Nature Communications</i> , 2017, 8, 14260.	5.8	26
9	Pressure-induced structural change in orthorhombic perovskite GdMnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , 2012, 24, 115402.	0.7	24
10	Radial x-ray diffraction of tungsten tetraboride to 86â€‰GPa under nonhydrostatic compression. <i>Journal of Applied Physics</i> , 2013, 113, 033507.	1.1	23
11	Kinetically Controlled Two-Step Amorphization and Amorphous-Amorphous Transition in Ice. <i>Physical Review Letters</i> , 2017, 119, 135701.	2.9	22
12	Venture into Waterâ€™s No Mana€™s Land: Structural Transformations of Solid $H_2O$ under Rapid Compression and Decompre	2.9	21
13	Temperature- and Rate-Dependent Pathways in Formation of Metastable Silicon Phases under Rapid Decompression. <i>Physical Review Letters</i> , 2020, 125, 155702.	2.9	18
14	Pressure-Induced Valence Change and Semiconductorâ€™Metal Transition in PbCrO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2014, 118, 23274-23278.	1.5	17
15	Phase transitions in PbTe under quasi-hydrostatic pressure up to 50 GPa. <i>High Pressure Research</i> , 2013, 33, 713-719.	0.4	14
16	Kinetics of the B1-B2 phase transition in KCl under rapid compression. <i>Journal of Applied Physics</i> , 2016, 119, 045902.	1.1	14
17	Synthesis of Two-Dimensional CsPb <sub>2</sub> X <sub>5</sub> (X = Br and I) with a Stable Structure and Tunable Bandgap by CsPbX <sub>3</sub> Phase Separation. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2555-2562.	2.1	14
18	Phase transformation in hexagonal ErMnO <sub>3</sub> under high pressure. <i>Journal of Applied Physics</i> , 2012, 112, 113512.	1.1	13

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19	High pressure-induced phase transitions in CdS up to 1 Mbar. Journal of Applied Physics, 2013, 113, .	1.1	11
20	Garnet-to-Perovskite Transition in $Gd_3Sc_2Ga_3O_{12}$ at High Pressure and High Temperature. Inorganic Chemistry, 2013, 52, 431-434.	1.9	10
21	Structure determination of the high-pressure phase of CdSe. Journal of Applied Physics, 2014, 115, 223507.	1.1	10
22	Temperature-dependent kinetic pathways featuring distinctive thermal-activation mechanisms in structural evolution of ice VII. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15437-15442.	3.3	9
23	Structures of two intermediate phases between the B1 and B2 phases of PbS under high pressure. AIP Advances, 2014, 4, .	0.6	8
24	Enhanced Structural Stability of $Sb_2Se_3$ via Pressure-Induced Alloying and Amorphization. Journal of Physical Chemistry C, 2020, 124, 3421-3428.	1.5	8
25	High-Pressure Nonequilibrium Dynamics on Second-to-Microsecond Time Scales: Application of Time-Resolved X-ray Diffraction and Dynamic Compression in Ice. Journal of Physical Chemistry Letters, 2021, 12, 8024-8038.	2.1	5
26	Effect of stress on melting of rhombohedral bismuth. Applied Physics Letters, 2017, 110, 161904.	1.5	2