

Christian M Childs

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

141
citations

1478280

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h-index

1199470

12
g-index

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all docs

13
docs citations

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times ranked

288
citing authors

#	ARTICLE	IF	CITATIONS
1	Postaragonite phases of CaCO_3 at lower mantle pressures. <i>Physical Review Materials</i> , 2018, 2, .		
2	Revisit of Pressure-Induced Phase Transition in PbSe: Crystal Structure, and Thermoelastic and Electrical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 4981-4989.	1.9	25
3	Pressure-Tuneable Visible-Range Band Gap in the Ionic Spinel Tin Nitride. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11623-11628.	7.2	22
4	A CO ₂ laser heating system for <i>in situ</i> high pressure-temperature experiments at HPCAT. <i>Review of Scientific Instruments</i> , 2018, 89, 083901.	0.6	18
5	Colossal Density-Driven Resistance Response in the Negative Charge Transfer Insulator MnS ₂ . <i>Physical Review Letters</i> , 2021, 127, 016401.	2.9	11
6	Covalency is Frustrating: La ₂ Sn ₂ O ₇ and the Nature of Bonding in Pyrochlores under High Pressure-Temperature Conditions. <i>Inorganic Chemistry</i> , 2018, 57, 15051-15061.	1.9	10
7	High-Pressure Investigation of 2,4,6-Trinitro-3-bromoanisole (TNBA): Structural Determination and Piezochromism. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1176-1187.	1.5	5
8	Anomalous Conductivity in the Rutile Structure Driven by Local Disorder. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5351-5356.	2.1	4
9	Optical and electronic solutions for power stabilization of CO ₂ lasers. <i>Review of Scientific Instruments</i> , 2020, 91, 103003.	0.6	4
10	Response of the mode Gr ^{1/4} neisen parameters with anisotropic compression: A pressure and temperature dependent Raman study of $\text{Pb}_2\text{-Sn}$. <i>Physical Review B</i> , 2020, 102, .	1.1	4
11	Pressure-Tuneable Visible-Range Band Gap in the Ionic Spinel Tin Nitride. <i>Angewandte Chemie</i> , 2018, 130, 11797-11802.	1.6	3
12	¹²⁷ I-Techneium: An allotrope with a nonstandard volume-pressure relationship. <i>Physical Review Materials</i> , 2021, 5, .	0.9	2
13	Deviation between quartz-garnet elastic geobarometry and equilibrium-based pressure-temperature modelling in Barrovian metamorphic rocks. <i>Journal of Metamorphic Geology</i> , 2022, 40, 1067-1086.	1.6	2