

Christian M Childs

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Colossal Density-Driven Resistance Response in the Negative Charge Transfer Insulator MnS ₂ . <i>Physical Review Letters</i> , 2021, 127, 016401.	2.9	11
4	$\hat{\Gamma}^2$ -Technetium: An allotrope with a nonstandard volume-pressure relationship. <i>Physical Review Materials</i> , 2021, 5, .	0.9	2
5	Optical and electronic solutions for power stabilization of CO ₂ lasers. <i>Review of Scientific Instruments</i> , 2020, 91, 103003.	0.6	4
6	Response of the mode Grüneisen parameters with anisotropic compression: A pressure and temperature dependent Raman study of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{\Gamma}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Sn. <i>Physical Review B</i> , 2020, 102, .	1.1	4
7	Anomalous Conductivity in the Rutile Structure Driven by Local Disorder. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5351-5356.	2.1	4
8	Pressure-tunable Visible-Range Band Gap in the Ionic Spinel Tin Nitride. <i>Angewandte Chemie</i> , 2018, 130, 11797-11802.	1.6	3
9	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
10	Pressure-tunable Visible-Range Band Gap in the Ionic Spinel Tin Nitride. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11623-11628.	7.2	22
11	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
12	Postaragonite phases of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{CaCO}_3 \langle \text{mml:mn} \rangle 3 \langle \text{mml:ron} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle$ at lower mantle pressures. <i>Physical Review Materials</i> , 2018, 2, .	0.6	11
13	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