

Jason L Baker

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

205
citations

6
h-index

14
g-index

20
ext. papers

253
ext. citations

3.3
avg, IF

2.38
L-index

#	Paper	IF	Citations
19	Effect of Pressure and Temperature on Structural Stability of MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3230-3235	3.8	84
18	Pressure induced structural transitions in CuSbS ₂ and CuSbSe ₂ thermoelectric compounds. <i>Journal of Alloys and Compounds</i> , 2015 , 643, 186-194	5.7	41
17	Structural stability of WS ₂ under high pressure. <i>International Journal of Modern Physics B</i> , 2014 , 28, 1450168	1.68	20
16	Pressure induced high spin-low spin transition in FeSe superconductor studied by x-ray emission spectroscopy and ab initio calculations. <i>Applied Physics Letters</i> , 2011 , 99, 061913	3.4	12
15	Giant Pressure-Induced Enhancement of Seebeck Coefficient and Thermoelectric Efficiency in SnTe. <i>ChemPhysChem</i> , 2017 , 18, 3315-3319	3.2	7
14	Compressibility and thermoelectric behavior of TiCoSb half-Heusler compound at high pressures. <i>Intermetallics</i> , 2018 , 95, 137-143	3.5	6
13	High-pressure Seebeck coefficients and thermoelectric behaviors of Bi and PbTe measured using a Paris-Edinburgh cell. <i>Journal of Synchrotron Radiation</i> , 2016 , 23, 1368-1378	2.4	6
12	Pressure-induced superconductivity in LaFeAsO: The role of anionic height and magnetic ordering. <i>Applied Physics Letters</i> , 2014 , 105, 251902	3.4	6
11	High pressure transport and structural studies on Nb ₃ Ga superconductor. <i>Physica B: Condensed Matter</i> , 2015 , 459, 21-23	2.8	5
10	The Role of Water and Hydroxyl Groups in the Structures of Stetindite and Coffinite, MSiO (M = Ce, U). <i>Inorganic Chemistry</i> , 2021 , 60, 718-735	5.1	5
9	Uranium carbonate complexes demonstrate drastic decrease in stability at elevated temperatures. <i>Communications Chemistry</i> , 2021 , 4,	6.3	3
8	Synthesis, Characterization, and Enthalpies of Formation of Uranium Substituted Zirconolites. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 1878-1887	3.2	2
7	High-pressure structural behavior and elastic properties of U ₃ Si ₅ : A combined synchrotron XRD and DFT study. <i>Journal of Nuclear Materials</i> , 2020 , 540, 152373	3.3	2
6	Uptake of uranium by carbonate crystallization from reduced and oxidized hydrothermal fluids. <i>Chemical Geology</i> , 2021 , 564, 120054	4.2	2
5	Pressure-Induced Enhancement of Thermoelectric Figure of Merit and Structural Phase Transition in TiNiSn. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1046-1051	6.4	2
4	Design of a containment apparatus for synchrotron XAS measurements of radioactive fluid samples under high temperatures and pressures. <i>Review of Scientific Instruments</i> , 2019 , 90, 083108	1.7	1
3	In situ x-ray diffraction, electrical resistivity and thermal measurements using a Paris-Edinburgh cell at HPCAT 16BM-B beamline. <i>Journal of Physics: Conference Series</i> , 2014 , 500, 142003	0.3	1

- 2 Heat capacity, entropy, formation energy and spin-fluctuation behavior of U₃Si₅ from 2.4 to 397.4 K. *Journal of Nuclear Materials*, **2021**, 557, 153282 3.3 0
- 1 High Pressure Materials Physics Research at UNLV. *Materials Science Forum*, **2014**, 783-786, 1836-1838 0.4