

Curtis Kenney-Benson

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

522
citations

759233

12
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

819
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralow viscosity of carbonate melts at high pressures. Nature Communications, 2014, 5, 5091.	12.8	124
2	Toward comprehensive studies of liquids at high pressures and high temperatures: Combined structure, elastic wave velocity, and viscosity measurements in the Paris-Edinburgh cell. Physics of the Earth and Planetary Interiors, 2014, 228, 269-280.	1.9	96
3	Online remote control systems for static and dynamic compression and decompression using diamond anvil cells. Review of Scientific Instruments, 2015, 86, 072209.	1.3	64
4	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.	1.3	45
5	High-pressure viscosity of liquid Fe and FeS revisited by falling sphere viscometry using ultrafast X-ray imaging. Physics of the Earth and Planetary Interiors, 2015, 241, 57-64.	1.9	38
6	A metastable liquid melted from a crystalline solid under decompression. Nature Communications, 2017, 8, 14260.	12.8	26
7	Anomaly in the viscosity of liquid KCl at high pressures. Physical Review B, 2013, 87, .	3.2	25
8	Chain breakage in liquid sulfur at high pressures and high temperatures. Physical Review B, 2014, 89, .	3.2	23
9	Kinetically Controlled Two-Step Amorphization and Amorphous-Amorphous Transition in Ice. Physical Review Letters, 2017, 119, 135701.	7.8	22
10	Kinetics of the B1-B2 phase transition in KCl under rapid compression. Journal of Applied Physics, 2016, 119, 045902.	2.5	14
11	X-ray imaging for studying behavior of liquids at high pressures and high temperatures using Paris-Edinburgh press. Review of Scientific Instruments, 2015, 86, 072207.	1.3	13
12	Robust high pressure stability and negative thermal expansion in sodium-rich antiperovskites Na ₃ OBr and Na ₄ OI ₂ . Journal of Applied Physics, 2016, 119, .	2.5	13
13	Calibration of ruby (Cr ³⁺ :Al ₂ O ₃) and Sm ²⁺ :SrFCl luminescence lines from the melting of mercury: constraints on the initial slopes. High Pressure Research, 2019, 39, 100-104.	1.2	7
14	Tunable multiferroic order parameters in Sr _{1-x} Ba _x Mn ₂ TiO ₇ . Physical Review Materials, 2019, 3, .	2.4	4
15	Nature of polyamorphic transformations in H ₂ O under isothermal compression and decompression. Physical Review Materials, 2019, 3, .	2.4	4
16	In situ x-ray diffraction study of polyamorphism in H ₂ O under isothermal compression and decompression. Journal of Chemical Physics, 2019, 150, 244201.	3.0	3
17	10.1063/1.4927227.1. , 2015, , .		0
18	Tunable multiferroic order parameters in Sr- Ba Mn- Ti O. Physical Review Materials, 2019, 3, .	2.4	0