

Richard Briggs

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

452
citations

759233

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h-index

996975

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15
all docs

15
docs citations

15
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of Body-Centered Cubic Gold and Melting under Shock Compression. Physical Review Letters, 2019, 123, 045701.	7.8	67
2	Direct Observation of Melting in Shock-Compressed Bismuth With Femtosecond X-ray Diffraction. Physical Review Letters, 2015, 115, 095701.	7.8	64
3	X-Ray Diffraction of Solid Tin to 1.2ÂTPa. Physical Review Letters, 2015, 115, 075502.	7.8	52
4	Ultrafast X-Ray Diffraction Studies of the Phase Transitions and Equation of State of Scandium Shock Compressed to 82ÂGPa. Physical Review Letters, 2017, 118, 025501.	7.8	50
5	Identification of Phase Transitions and Metastability in Dynamically Compressed Antimony Using Ultrafast X-Ray Diffraction. Physical Review Letters, 2019, 122, 255704.	7.8	36
6	The Melting Curve of Nickel Up to 100ÂGPa Explored by XAS. Journal of Geophysical Research: Solid Earth, 2017, 122, 9921-9930.	3.4	35
7	Femtosecond diffraction studies of solid and liquid phase changes in shock-compressed bismuth. Scientific Reports, 2018, 8, 16927.	3.3	33
8	One-dimensional chain melting in incommensurate potassium. Physical Review B, 2015, 91, .	3.2	25
9	Ferrous Iron Under Oxygenâ€Rich Conditions in the Deep Mantle. Geophysical Research Letters, 2019, 46, 1348-1356.	4.0	22
10	Coordination changes in liquid tin under shock compression determined using <i>in situ</i> femtosecond x-ray diffraction. Applied Physics Letters, 2019, 115, .	3.3	22
11	Melting Curve and Phase Relations of Feâ€Ni Alloys: Implications for the Earth's Core Composition. Geophysical Research Letters, 2020, 47, e2020GL088169.	4.0	21
12	Recovery of metastable dense Bi synthesized by shock compression. Applied Physics Letters, 2019, 114, 120601.	3.3	12
13	Quantitative measurements of density in shock-compressed silver up to 330 GPa using x-ray diffraction. Journal of Applied Physics, 2022, 131, .	2.5	6
14	Quantitative analysis of diffraction by liquids using a pink-spectrum X-ray source. Journal of Synchrotron Radiation, 2022, 29, 1033-1042.	2.4	4
15	Development of slurry targets for high repetition-rate x-ray free electron laser experiments. Journal of Applied Physics, 2022, 131, .	2.5	3