

Richard Briggs

List of Publications by Year in descending order

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15
papers

452
citations

759055

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15
times ranked

569
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Quantitative measurements of density in shock-compressed silver up to 330 GPa using x-ray diffraction. <i>Journal of Applied Physics</i> , 2022, 131, . | 1.1 | 6 |
| 2 | Quantitative analysis of diffraction by liquids using a pink-spectrum X-ray source. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 1033-1042. | 1.0 | 4 |
| 3 | Development of slurry targets for high repetition-rate x-ray free electron laser experiments. <i>Journal of Applied Physics</i> , 2022, 131, . | 1.1 | 3 |
| 4 | Melting Curve and Phase Relations of Fe-Ni Alloys: Implications for the Earth's Core Composition. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088169. | 1.5 | 21 |
| 5 | Measurement of Body-Centered Cubic Gold and Melting under Shock Compression. <i>Physical Review Letters</i> , 2019, 123, 045701. | 2.9 | 67 |
| 6 | Identification of Phase Transitions and Metastability in Dynamically Compressed Antimony Using Ultrafast X-Ray Diffraction. <i>Physical Review Letters</i> , 2019, 122, 255704. | 2.9 | 36 |
| 7 | Ferrous Iron Under Oxygen-Rich Conditions in the Deep Mantle. <i>Geophysical Research Letters</i> , 2019, 46, 1348-1356. | 1.5 | 22 |
| 8 | Recovery of metastable dense Bi synthesized by shock compression. <i>Applied Physics Letters</i> , 2019, 114, 120601. | 1.5 | 12 |
| 9 | Coordination changes in liquid tin under shock compression determined using <i>in situ</i> femtosecond x-ray diffraction. <i>Applied Physics Letters</i> , 2019, 115, . | 1.5 | 22 |
| 10 | Femtosecond diffraction studies of solid and liquid phase changes in shock-compressed bismuth. <i>Scientific Reports</i> , 2018, 8, 16927. | 1.6 | 33 |
| 11 | Ultrafast X-Ray Diffraction Studies of the Phase Transitions and Equation of State of Scandium Shock Compressed to 82 GPa. <i>Physical Review Letters</i> , 2017, 118, 025501. | 2.9 | 50 |
| 12 | The Melting Curve of Nickel Up to 100 GPa Explored by XAS. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9921-9930. | 1.4 | 35 |
| 13 | One-dimensional chain melting in incommensurate potassium. <i>Physical Review B</i> , 2015, 91, . | 1.1 | 25 |
| 14 | Direct Observation of Melting in Shock-Compressed Bismuth With Femtosecond X-ray Diffraction. <i>Physical Review Letters</i> , 2015, 115, 095701. | 2.9 | 64 |
| 15 | X-Ray Diffraction of Solid Tin to 1.2 TPa. <i>Physical Review Letters</i> , 2015, 115, 075502. | 2.9 | 52 |