

Curtis Kenney-Benson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1080951/publications.pdf>

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 | Calibration of ruby ($\text{Cr}^{3+}:\text{Al}_2\text{O}_3$) and $\text{Sm}^{2+}:\text{SrFCl}$ luminescence lines from the melting of mercury: constraints on the initial slopes. High Pressure Research, 2021, 41, 175-183. | 1.2 | 7 |
| 2 | In situ x-ray diffraction study of polymorphism in H ₂ O under isothermal compression and decompression. Journal of Chemical Physics, 2019, 150, 244201. | 3.0 | 3 |
| 3 | Nature of polyamorphic transformations in H_2 under isothermal compression and decompression. Journal of Chemical Physics, 2019, 150, 244201. | 2.4 | 4 |
| 4 | Tunable multiferroic order parameters in Sr-Ba-Mn-Ti-O under isothermal compression and decompression. Physical Review Materials, 2019, 3, . | 2.4 | 0 |
| 5 | A metastable liquid melted from a crystalline solid under decompression. Nature Communications, 2017, 8, 14260. | 12.8 | 26 |
| 6 | Kinetically Controlled Two-Step Amorphization and Amorphous-Amorphous Transition in Ice. Physical Review Letters, 2017, 119, 135701. | 7.8 | 22 |
| 7 | Kinetics of the B1-B2 phase transition in KCl under rapid compression. Journal of Applied Physics, 2016, 119, 045902. | 2.5 | 14 |
| 8 | Robust high pressure stability and negative thermal expansion in sodium-rich antiperovskites Na_3OBr and Na_4OI_2 . Journal of Applied Physics, 2016, 119, . | 2.5 | 13 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 10.1063/1.4927227.1. , 2015, , . | | 0 |
| 14 | Ultralow viscosity of carbonate melts at high pressures. Nature Communications, 2014, 5, 5091. | 12.8 | 124 |
| 15 | Chain breakage in liquid sulfur at high pressures and high temperatures. Physical Review B, 2014, 89, . | 3.2 | 23 |
| 16 | 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 |
| 17 | Anomaly in the viscosity of liquid KCl at high pressures. Physical Review B, 2013, 87, . | 3.2 | 25 |