

Rachel Husband

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

129
citations

1307594

7
h-index

1588992

8
g-index

8
all docs

8
docs citations

8
times ranked

160
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic field screening in hydrogen-rich high-temperature superconductors. Nature Communications, 2022, 13, . Bulk modulus of H_2O	12.8	32
2	H_2O across the ice VII ice X transition measured by time-resolved x-ray diffraction in dynamic diamond anvil cell experiments. Physical Review B, 2021, 103.	3.2	24
3	Novel experimental setup for megahertz X-ray diffraction in a diamond anvil cell at the High Energy Density (HED) instrument of the European X-ray Free-Electron Laser (EuXFEL). Journal of Synchrotron Radiation, 2021, 28, 688-706.	2.4	21
4	Compression-rate dependence of pressure-induced phase transitions in Bi. Scientific Reports, 2021, 11, 14859.	3.3	15
5	A resistively-heated dynamic diamond anvil cell (RHdDAC) for fast compression x-ray diffraction experiments at high temperatures. Review of Scientific Instruments, 2020, 91, 073906.	1.3	14
6	Intense Reactivity in Sulfur-Hydrogen Mixtures at High Pressure under X-ray Irradiation. Journal of Physical Chemistry Letters, 2020, 11, 1828-1834.	4.6	11
7	X-ray free electron laser heating of water and gold at high static pressure. Communications Materials, 2021, 2, .	6.9	9
8	Simultaneous imaging and diffraction in the dynamic diamond anvil cell. Review of Scientific Instruments, 2022, 93, 053903.	1.3	3