

Ryan Stewart McWilliams

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

163
citations

1478505

6
h-index

1720034

7
g-index

8
all docs

8
docs citations

8
times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Properties of Fluid Hydrogen at the Transition to a Conducting State. <i>Physical Review Letters</i> , 2016, 116, 255501.	7.8	74
2	Metallization and molecular dissociation of dense fluid nitrogen. <i>Nature Communications</i> , 2018, 9, 2624.	12.8	38
3	Thermomechanical response of thickly tamped targets and diamond anvil cells under pulsed hard x-ray irradiation. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	16
4	X-ray Free Electron Laser-Induced Synthesis of μ -Iron Nitride at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3246-3252.	4.6	14
5	Intense Reactivity in Sulfur-Hydrogen Mixtures at High Pressure under X-ray Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1828-1834.	4.6	11
6	X-ray free electron laser heating of water and gold at high static pressure. <i>Communications Materials</i> , 2021, 2, .	6.9	9
7	Viscosity measurement from microscale convection at high pressure and temperature. <i>Physical Review B</i> , 2020, 101, .	3.2	1
8	Shock-wave study of the metallization of alkali halides up to 400 GPa. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0