

Amy Lazicki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7095483/publications.pdf>

Version: 2024-02-01

20
papers

869
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

918
citing authors

#	ARTICLE	IF	CITATIONS
1	Equation of state and strength of diamond in high-pressure ramp loading. <i>Physical Review B</i> , 2022, 105, .	3.2	4
2	Measuring the melting curve of iron at super-Earth core conditions. <i>Science</i> , 2022, 375, 202-205.	12.6	39
3	Dynamic compression of water to conditions in ice giant interiors. <i>Scientific Reports</i> , 2022, 12, 715.	3.3	6
4	Structure and density of silicon carbide to 1.5 TPa and implications for extrasolar planets. <i>Nature Communications</i> , 2022, 13, 2260.	12.8	11
5	Structural complexity in ramp-compressed sodium to 480 GPa. <i>Nature Communications</i> , 2022, 13, 2534.	12.8	14
6	Metastability of diamond ramp-compressed to 2 terapascals. <i>Nature</i> , 2021, 589, 532-535.	27.8	79
7	Melting of Tantalum at Multimegabar Pressures on the Nanosecond Timescale. <i>Physical Review Letters</i> , 2021, 126, 255701.	7.8	11
8	Techniques for studying materials under extreme states of high energy density compression. <i>Physics of Plasmas</i> , 2021, 28, 060901.	1.9	3
9	X-ray diffraction at the National Ignition Facility. <i>Review of Scientific Instruments</i> , 2020, 91, 043902.	1.3	42
10	Optimized x-ray sources for x-ray diffraction measurements at the Omega Laser Facility. <i>Review of Scientific Instruments</i> , 2019, 90, 125113.	1.3	25
11	Nonisentropic Release of a Shocked Solid. <i>Physical Review Letters</i> , 2019, 123, 245501.	7.8	11
12	Shock equation of state of LiH to 1.1 TPa. <i>Physical Review B</i> , 2017, 96, .	3.2	11
13	Compression Freezing Kinetics of Water to Ice VII. <i>Physical Review Letters</i> , 2017, 119, 025701.	7.8	60
14	X-Ray Diffraction of Solid Tin to 1.2 TPa. <i>Physical Review Letters</i> , 2015, 115, 075502.	7.8	52
15	X-ray area backlighter development at the National Ignition Facility (invited). <i>Review of Scientific Instruments</i> , 2014, 85, 11D502.	1.3	22
16	Ramp compression of diamond to five terapascals. <i>Nature</i> , 2014, 511, 330-333.	27.8	195
17	Experimental evidence for a phase transition in magnesium oxide at exoplanet pressures. <i>Nature Geoscience</i> , 2013, 6, 926-929.	12.9	170
18	Lithographically fabricated gratings for the interferometric measurement of material shear moduli under extreme conditions. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, 06F306.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Static compression of LiH to 250 GPa. Physical Review B, 2012, 85, .	3.2	27
20	Powder diffraction from solids in the terapascal regime. Review of Scientific Instruments, 2012, 83, 113904.	1.3	84