

# 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	Ramp compression of diamond to five terapascals. Nature, 2014, 511, 330-333.	27.8	195
2	Experimental evidence for a phase transition in magnesium oxide at exoplanet pressures. Nature Geoscience, 2013, 6, 926-929.	12.9	170
3	Powder diffraction from solids in the terapascal regime. Review of Scientific Instruments, 2012, 83, 113904.	1.3	84
4	Metastability of diamond ramp-compressed to 2 terapascals. Nature, 2021, 589, 532-535.	27.8	79
5	Compression Freezing Kinetics of Water to Ice VII. Physical Review Letters, 2017, 119, 025701.	7.8	60
6	X-Ray Diffraction of Solid Tin to 1.2 TPa. Physical Review Letters, 2015, 115, 075502.	7.8	52
7	X-ray diffraction at the National Ignition Facility. Review of Scientific Instruments, 2020, 91, 043902.	1.3	42
8	Measuring the melting curve of iron at super-Earth core conditions. Science, 2022, 375, 202-205.	12.6	39
9	Static compression of LiH to 250 GPa. Physical Review B, 2012, 85, .	3.2	27
10	Optimized x-ray sources for x-ray diffraction measurements at the Omega Laser Facility. Review of Scientific Instruments, 2019, 90, 125113.	1.3	25
11	X-ray area backlighter development at the National Ignition Facility (invited). Review of Scientific Instruments, 2014, 85, 11D502.	1.3	22
12	Structural complexity in ramp-compressed sodium to 480 GPa. Nature Communications, 2022, 13, 2534.	12.8	14
13	Shock equation of state of $\text{LiH}$ to 1.1 TPa. Physical Review B, 2017, 96, .	3.2	11
14	Nonisentropic Release of a Shocked Solid. Physical Review Letters, 2019, 123, 245501.	7.8	11
15	Melting of Tantalum at Multimegabar Pressures on the Nanosecond Timescale. Physical Review Letters, 2021, 126, 255701.	7.8	11
16	Structure and density of silicon carbide to 1.5 TPa and implications for extrasolar planets. Nature Communications, 2022, 13, 2260.	12.8	11
17	Dynamic compression of water to conditions in ice giant interiors. Scientific Reports, 2022, 12, 715.	3.3	6
18	Equation of state and strength of diamond in high-pressure ramp loading. Physical Review B, 2022, 105, .	3.2	4

#	ARTICLE	IF	CITATIONS
19	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
20	Techniques for studying materials under extreme states of high energy density compression. <i>Physics of Plasmas</i> , 2021, 28, 060901.	1.9	3