

# Shanti Deemyad

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/316610/publications.pdf>

Version: 2024-02-01

19  
papers

505  
citations

840776

11  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of vitreous and crystalline phases of H <sub>2</sub> O at ambient temperature. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	3
2	Pressure-induced ferroelectric-like transition creates a polar metal in defect antiperovskites Hg <sub>3</sub> Te <sub>2</sub> X <sub>2</sub> (X = Cl, Br). Nature Communications, 2021, 12, 1509.	12.8	14
3	Fermi surface studies of the low-temperature structure of sodium. Physical Review B, 2020, 101, .	3.2	5
4	Pressure-Induced Superconductivity in the Wide-Band-Gap Semiconductor Cu <sub>2</sub> Br <sub>2</sub> Se <sub>6</sub> with a Robust Framework. Chemistry of Materials, 2020, 32, 6237-6246.	6.7	6
5	Perovskites with a Twist: Strong In <sup>1+</sup> Off-Centering in the Mixed-Valent CsInX <sub>3</sub> (X = Cl, Br). Chemistry of Materials, 2019, 31, 9554-9566.	6.7	22
6	Pressure-Induced Superconductivity and Flattened Se <sub>6</sub> Rings in the Wide Band Gap Semiconductor Cu <sub>2</sub> I <sub>2</sub> Se <sub>6</sub> . Journal of the American Chemical Society, 2019, 141, 15174-15182.	13.7	9
7	Parallel background subtraction in diamond anvil cells for high pressure X-ray data analysis. High Pressure Research, 2019, 39, 628-639.	1.2	2
8	Probing quantum effects in lithium. Physica C: Superconductivity and Its Applications, 2018, 548, 68-71.	1.2	4
9	Piezochromism and structural and electronic properties of benz[a]anthracene under pressure. Physical Chemistry Chemical Physics, 2017, 19, 6216-6223.	2.8	19
10	Deuterium Isotope Effects in Polymerization of Benzene under Pressure. Journal of Physical Chemistry Letters, 2017, 8, 1856-1864.	4.6	12
11	Evidence from Fermi surface analysis for the low-temperature structure of lithium. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5389-5394.	7.1	22
12	Quantum and isotope effects in lithium metal. Science, 2017, 356, 1254-1259.	12.6	59
13	Reply to Martinez-Canales et al.: The structure(s) of lithium at low temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8810-E8811.	7.1	1
14	Effects of Nonhydrostatic Stress on Structural and Optoelectronic Properties of Methylammonium Lead Bromide Perovskite. Journal of Physical Chemistry Letters, 2017, 8, 3457-3465.	4.6	53
15	Note: Simple and portable setup for loading high purity liquids in diamond anvil cell. Review of Scientific Instruments, 2016, 87, 036103.	1.3	1
16	High-pressure superconducting phase diagram of <sup>6</sup> Li: Isotope effects in dense lithium. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 60-64.	7.1	27
17	Boundaries for martensitic transition of <sup>7</sup> Li under pressure. Nature Communications, 2015, 6, 8030.	12.8	16
18	High Pressure Melting of Lithium. Physical Review Letters, 2012, 109, 185702.	7.8	54

#	ARTICLE	IF	CITATIONS
19	Superconducting Phase Diagram of Li Metal in Nearly Hydrostatic Pressures up to 67ÅGPa. Physical Review Letters, 2003, 91, 167001.	7.8	176