Zamaan Raza

List of Publications by Year
in descending order

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15	677	567281 15	996975 15
papers	citations	h-index	g-index

15	15	15	1114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The microscopic features of heterogeneous ice nucleation may affect the macroscopic morphology of atmospheric ice crystals. Faraday Discussions, 2013, 167, 389.	3.2	80
2	GLYCOLALDEHYDE FORMATION VIA THE DIMERIZATION OF THE FORMYL RADICAL. Astrophysical Journal, 2013, 777, 90.	4.5	62
3	High Energy Density Mixed Polymeric Phase from Carbon Monoxide and Nitrogen. Physical Review Letters, 2013, 111, 235501.	7.8	62
4	Proton ordering in cubic ice and hexagonal ice; a potential new ice phaseâ€”XIc. Physical Chemistry Chemical Physics, 2011, 13, 19788.	2.8	60
5	Lattice Vibrations Change the Solid Solubility of an Alloy at High Temperatures. Physical Review Letters, 2016, 117, 205502.	7.8	60
6	Effect of salt on the H-bond symmetrization in ice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8216-8220.	7.1	58
7	Large scale and linear scaling DFT with the CONQUEST code. Journal of Chemical Physics, 2020, 152, 164112.	3.0	55
8	ON THE FORMATION OF GLYCOLALDEHYDE IN DENSE MOLECULAR CORES. Astrophysical Journal, 2012, 750, 19.	4.5	54
9	Temperature-dependent elastic properties of Ti1âˆ’xAlxN alloys. Applied Physics Letters, 2015, 107, .	3.3	46
10	From cellulose to kerogen: molecular simulation of a geological process. Chemical Science, 2017, 8, 8325-8335.	7.4	37
11	Novel superconducting skutterudite-type phosphorus nitride at high pressure from first-principles calculations. Scientific Reports, 2014, 4, 5889.	3.3	29
12	First-principles calculations of properties of orthorhombic iron carbide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>7</mml:mn></mml:r mathvariant="normal">C</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>at the Earth's core conditions. Physical Review B, 2015, 91, .	3.2	20
13	Impact of anharmonic effects on the phase stability, thermal transport, and electronic properties of AlN. Physical Review B, 2016, 94, .	3.2	20
14	Computer simulations of glasses: the potential energy landscape. Journal of Physics Condensed Matter, 2015, 27, 293201.	1.8	17
15	Highly accurate local basis sets for large-scale DFT calculations in conquest. Japanese Journal of Applied Physics, 2019, 58, 100503.	1.5	17