

Shubhadip Chakraborty

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dynamic Shock Wave-Induced Amorphous-to-Crystalline Switchable Phase Transition of Lithium Sulfate. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3194-3201.	3.1	16
2	Switchable crystalâ€“amorphous states of NiSO ₄ ·6H ₂ O induced by a Reddy tube. <i>New Journal of Chemistry</i> , 2022, 46, 5091-5099.	2.8	9
3	Ternary switchable phase transition of CaCO ₃ by shock waves. <i>Ceramics International</i> , 2022, 48, 8457-8465.	4.8	7
4	Assessment of sustainability on structure-optical properties of prismatic face ADP crystal at dynamic shocked conditions. <i>Physica B: Condensed Matter</i> , 2022, 634, 413793.	2.7	1
5	Dynamic shock wave driven simultaneous crystallographic and molecular switching between Î±-Fe ₂ O ₃ and Fe ₃ O ₄ nanoparticles â€“ a new finding. <i>Dalton Transactions</i> , 2022, 51, 9159-9166.	3.3	8
6	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 054301.	3.1	26
7	Anharmonic infrared spectra of thermally excited pyrene (C ₁₆ H ₁₀): A combined view of DFT-based GVPT2 with AnharmonicCaOs, and approximate DFT molecular dynamics with demonNano. <i>Journal of Molecular Spectroscopy</i> , 2021, 378, 111466.	1.2	12
8	Assessment of shock resistance of barium ferrite at dynamic shocked conditions. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22429-22439.	2.2	2
9	Dynamic Shock Wave-Induced Switchable Phase Transition of Magnesium Sulfate Heptahydrate. <i>Crystal Growth and Design</i> , 2021, 21, 5050-5057.	3.0	11
10	Room Temperature Gas Phase Infrared Spectra of H-bonded Oligomers of Methanol. <i>Vibrational Spectroscopy</i> , 2020, 106, 102981.	2.2	6
11	Absorption Spectroscopy of Solid-Phase Fullerene C ₆₀ between 1.65 and 2.78 Î¼m. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1540-1548.	2.7	0
12	Self-Assembled Fluorescent Pt(II) Metallacycles as Artificial Light-Harvesting Systems. <i>Journal of the American Chemical Society</i> , 2019, 141, 14565-14569.	13.7	170
13	Experimental Approach to the Study of Anharmonicity in the Infrared Spectrum of Pyrene from 14 to 723 K. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4139-4148.	2.5	8
14	Infrared Spectral Assignment of Pyrimidine and Pyrazine in the C H Stretching Region by an Effective Spectroscopic Hamiltonian. <i>Vibrational Spectroscopy</i> , 2018, 99, 196-203.	2.2	2
15	Building Block Dependent Morphology Modulation of Cage Nanoparticles and Recognition of Nitroaromatics. <i>Chemistry - A European Journal</i> , 2017, 23, 8482-8490.	3.3	13
16	Anharmonicity in the Vibrational Spectra of Naphthalene and Naphthalene-d ₈ : Experiment and Theory. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9707-9718.	2.5	16
17	Vibrational spectra of fluorene, 1-methylfluorene and 1,8-dimethylfluorene. <i>Vibrational Spectroscopy</i> , 2013, 68, 162-169.	2.2	12
18	Isomeric identification of methylated naphthalenes using gas phase infrared spectroscopy. <i>Indian Journal of Physics</i> , 2012, 86, 209-218.	1.8	3