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List of Publications

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1. **Manish Kumar Tripathi**, Arnav Paul, V. Ramanathan, Revisiting structure and conformational stability of ethanethiol, Journal of Molecular Structure, 1223, 2021, p. 128997.
2. **Manish Kumar Tripathi**, Venkatnarayan Ramanathan, Conformational stability and structural analysis of methanethiol clusters: a revisit, RSC advances, 11, 2021, pp. 29207-29214.
3. **Manish Kumar Tripathi**, Venkatnarayan Ramanathan, Conformational and structural stability of n and 2-propylthiols: a revisit, RSC advances 12, 2022, pp. 10336-10344.
4. **Manish Kumar Tripathi**, Venkatnarayan Ramanathan, Nature and strength of sulfur centered hydrogen bonds in methanethiol aqueous solution, Journal of Physical Chemistry A, (**Accepeted**) 2023.
5. Suresh Kumar Pandey, **Manish Kumar Tripathi**, V. Ramanathan, Pradeep Kumar Mishra, Dhanesh Tiwary, enhanced photocatalytic efficiency of hydrothermally synthesized g-C3N4/NiO heterostructure for mineralization of malachite green dye, Journal of Materials Research and Technology, 11, 2021, pp. 970-981.
6. Suresh Kumar Pandey, **Manish Kumar Tripathi**, V. Ramanathan, Pradeep Kumar Mishra, Dhanesh Tiwary, Highly facile Ag/NiO nanocomposite synthesized by sol-gel method for mineralization of rhodamine B, Journal of Physics and Chemistry of Solids, 159, 2021, pp. 110287.
7. Rajkumar Yadav, Vipin Amoli, Jitendra Singh, **Manish Kumar Tripathi**, Piyali Bhanja, Asim Bhaumik, Anil Kumar Sinha, Plasmonic gold deposited on mesoporous TixSi1− xO2 with isolated silica in lattice: an excellent photocatalyst for photocatalytic conversion of CO2 into methanol under visible light irradiation, Journal of CO2 Utilization, 27, 2018, pp. 11-21.
8. Poonam Bhadoria, **Manish Kumar Tripathi**, Ramanathan Venkatnarayan, To cleave or not—disulfide bond of cystine on nanocopper: a computational approach, Journal of Nanoparticle Research, 2023, 25:2.