

List of Publications, Department of Chemistry IIT Delhi (2013-14)

1. Garg, N.; Basu, M.; [Upadhyaya](#), K.; [Shivaprasad](#), S. M.; [Ganguli](#), A. K. Controlling the Aspect Ratio and Electrocatalytic Properties of Nickel Cobaltite Nanorods. *RSC Adv.* **2013**, *3*, 24328-24336.
2. Basu, M.; Garg, N.; Ganguli, A. K. A Type-II Semiconductor (ZnO/CuS Heterostructure) for Visible Light Photocatalysis. *J. Mater. Chem. A* **2014**, *2*, 7517-7525.
3. Sharma, S.; Ganguli, A. K. Spherical to Cylindrical Transformation of Reverse Micelles and Their Templating Effect on the Growth of Nanostructures. *J. Phys. Chem. B* **2014**, *118*, 4122-4131.
4. Kumar, B.; Saha, S.; Ganguly, A.; Ganguli, A. K. A Facile Low Temperature (350 °C) Synthesis of Cu₂O Nanoparticles and its Electrocatalytic and Photocatalytic Properties. *RSC Adv.* **2014**, *4*, 12043-12049.
5. Ganguli, A.K.; Prakash, J.; Thakur, G.S. The Iron-Age of Superconductivity: Structural Correlations and Commonalities among the Various Families having –Fe–Pn– Slabs (Pn = P, As and Sb). *Chem. Soc. Rev.* **2013**, *42* 569-598.
6. Thakur, G.S.; Haque, Z.; Neha, P.; Gupta, L.C.; Patnaik, S.; Ganguli, A.K. Effect of O- and Mn-Doping on Superconductivity in FeTe_{0.5}Se_{0.5} Superconductor. *Z. Anorg. Allg. Chem.* **2014**, *640*, 1159–1163
7. Pandey, A.; Rai, R.; Pal, M.; Pandey, S. How Polar are Choline Chloride-Based Deep Eutectic Solvents? *Phys.Chem.Chem.Phys.* **2014**, *16*, 1559-1568.
8. Kumar, V.; Pandey, A.; Pandey, S. Proton-Transfer Reactions of Acridine in Water-Containing Ionic-Liquid-Rich Mixtures. *Phys.Chem.Chem.Phys.* **2014**, *16*, 1559-1568.

9. Soni, A.; Menaria, K.; Ray, P.; Jayaram, B. Genomes to Hits in Silico - A Country Path Today, A Highway Tomorrow: A Case Study of Chikungunya. *Curr. Pharma. Des.* **2013**, *19*, 4687-4700.
10. Singh, M.; Srinivas, C.; Deb, M.; Kurur, N.D. Paramagnetic Relaxation of Long-Lived Coherences in Solution NMR. *Chem Phys Chem.* **2013**, *14*, 3977 – 3981
11. Haridas, V.; Sadanandan, S.; Gopalakrishna, M. V. S.; Bijesh, M. B.; Verma, R.P.; Chinthalapalli, S.; Shandilya, A.; Bispidine as a Helix Inducing Scaffold: Examples of Helically Folded Linear Peptides. *Chem. Commun.* **2013**, *49*, 10980-10982.
12. Haridas, V.; Naik, S.; Natural Macromolecular Antifreeze Agents to Synthetic Antifreeze Agents. *RSC Adv.* **2013**, *3*, 14199-14218.
13. [Haridas](#) , V.; [Sadanandan](#), S.; [Collart-Dutilleul](#), P.Y.; [Gronthos](#), S.; [Voelcker](#), N.H. Lysine-Appended Polydiacetylene Scaffolds for Human Mesenchymal Stem Cells. *Biomacromolecules* **2014**, *15*, 582–590.
14. Ram, R.N.; Soni, V.K. Synthesis of 3-Alkylbenzoxazolones from N-Alkyl-N-Arylhydroxylamines by Contiguous O-Trichloroacetylation, Trichloroacetoxy ortho-Shift and Cyclization Sequence. *J. Org. Chem.* **2013**, *78*, 11935-11947.
15. Soni, U.; Pal, A.; Singh, S.; Mittal, M.; Yadav, S.; Elangovan, R.; Sapra, S. Simultaneous Type-I/Type-II Emission from CdSe/CdS/ZnSe Nano-Heterostructures. *ACS Nano* **2014**, *8*, 113-119.
16. Soni, U.; Tripathy, P.; Sapra, S. Photocatalysis from Fluorescence-Quenched CdSe/Au Nanoheterostructures: A Size-Dependent Study. *J. Phys. Chem. Lett.* **2014**, *5*, 1909-1916.
17. Prakash, O.; Sharma, K. N.; Joshi, H.; Gupta, P. L.; Singh, A. K. Half-Sandwich Rhodium/Iridium (III) Complexes Designed with Cp* and 1,2-bis(phenylchalcogenomethyl) benzene as Catalysts for Transfer Hydrogenation in Glycerol. *Organometallics* **2014**, *33*, 2535-2543.

18. Joshi, H.; Sharma, K. N.; Sharma, A. K.; Singh, A. K. Palladium-Phosphorous/Sulfur Nanoparticles (NPs) Decorated on Graphene Oxide: Synthesis using Same Precursor for NPs and Catalytic Applications in Suzuki-Miyaura Coupling. *Nanoscale* **2014**, 6, 4588-4597.
19. Sharma, K. N.; Joshi, H.; Sharma, A. K.; Prakash, O.; Singh, A. K. Single Source Precursor Routes for Synthesis of PdTe Nanorods and Particles: Solvent Dependent Control on Shapes. *Chem. Commun.*, **2013**, 49, 9344-9346.
20. Rao, G. K.; Kumar, A.; Kumar, S.; Dupare, U. B.; Singh, A. K. Palladacycles of Thioethers Catalyzing Suzuki-Miyaura C–C coupling: Generation and Catalytic Activity of Nano-particles. *Organometallics*, **2013**, 32, 2452-2458.

Compiled by

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