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1. **A.K. De**, S Majumdar, S Pal, S Kumar, I Sinha, Zn doping induced band gap widening of Ag₂O nanoparticles, Journal of Alloys and Compounds 2020 (832) 154127
2. **A.K. De**, I. Sinha, Synergistic effect of Ni doping and oxygen vacancies on the visible light photocatalytic properties of Ag₂O nanoparticles, Journal of Physics and Chemistry of Solids 167 (2022) 110733.
3. N Jatav, J Kuntail, D Khan, **A.K. De**, I Sinha, AgI/CuWO₄ Z-scheme photocatalyst for the degradation of organic pollutants: Experimental and molecular dynamics studies, Journal of Colloid and Interface Science 2021 (599) 717-729,
4. N. Jatav, A. Shrivastava, **A.K. De**, I. Sinha, Experimental and molecular dynamics investigations on Z-scheme visible light Ag₃PO₄/CuWO₄ photocatalysts for antibiotic degradation, Journal of Environmental Chemical Engineering 10 (2022) 107975.
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6. S Pal, A Kumar, S Kumar, **A.K. De**, R Prakash, I Sinha, Visible Light Photocatalysis on Magnetically Recyclable Fe₃O₄/Cu₂O Nanostructures, Catalysis Letters 2022, 1-13.
7. I Sinha, **A.K. De**, An overview of synthesis techniques for preparing doped photocatalysts, Nano-Materials as Photocatalysts for Degradation of Environmental Pollutants 2020, 1-13.