

SOME OLDER IMPORTANT PUBLICATIONS

1. D.K. Padhi, A. Baral , K.M. Parida*, S.K. Singh, M.K. Ghoshc*,2017, Visible Light Active Single-Crystal Nanorod/Needle Like α -MnO₂ @RGO Nanocomposites For Efficient Photoreduction of Cr(VI), *Journal of Physical Chemistry C*,2017,121,6039-6049.
2. S. Sultana, S. Mansingh, **K.M. Parida***, 2017, Facile Synthesis of CeO₂ Nanosheets Decorated upon BiOI Microplate: A Surface Oxygen Vacancy Promoted Z-Scheme-Based 2D-2D Nanocomposite Photocatalyst, ***Journal of Physical Chemistry C*,122 (1), 808-819.**
3. The effect of sulfate pre-treatment to improve the deposition of Au-nanoparticles in a gold-modified sulfated g-C₃N₄ plasmonic photocatalyst towards visible light induced water reduction reaction, Sulagna Pattnaik, Satyabadi Martha, Giridhar Madras, **K. M. parida***, *Phys. Chem. Chem. Phys.*, 18 (2016), 28502-28514.
4. Visible light-driven novel g-C₃N₄/NiFe-LDH composite photocatalyst with enhanced photocatalytic activity towards water oxidation and reduction reaction, Susanginee Nayak , Lagnamayee Mohapatra and **Kulamani Parida ***, *J. Mater. Chem. A*, 2015, **3**, 18622-18635.
5. Plasmon Induced Nano Au Particle Decorated over S,N Modified TiO₂ for Exceptional Photocatalytic Hydrogen Evolution under Visible Light. Soumyashree Pany Brundabana Naik; Satyabadi Martha; **K. M. Parida**, *ACS Appl. Mater & Interfaces*, 6 (2014), 839–846.
6. Fabrication of In₂O₃ modified ZnO for enhancing stability, optical behaviour, electronic property and photocatalytic activity for hydrogen production under visible light. S. Martha, K.Hemalata Reddy and **K. M. Parida*** *Journal of Materials Chemistry A*. 12 (2014) 3621–3631.

7. Pd(0) nanoparticles supported organofunctionalized clay driving C–C coupling reactions under benign conditions through a Pd(0)/Pd(II) redox interplay. G. Bishwa Bidita Varadwaj, Surjyakanta Rana and **K. M. Parida*** **J. Phys. Chem. C** 118 (2014) 1640–1651.
8. Facile synthesis of highly active g-C₃N₄ for efficient hydrogen production under visible light, S. Martha, A. Nashim and **K. M. Parida***, **Journal of Materials Chemistry A**, 1(2013) 7816-7824.
9. Design and development of visible light harvesting Ni-Zn/Cr-CO₃- LDH system for hydrogen evolution. N. Baliarsingh, L.Mohapatra, **K. M. Parida*** **Journal of Material Chemistry A**, 1(2013) 4236-4243.
10. Gd₂Ti₂O₇/In₂O₃ : An efficient visible light driven heterojunction based composite photocatalysts for hydrogen production. Amtul Nashim, Satyabadi Martha and **K.M. Parida***, **Chem Cat Chem**. 5(8) (2013) 2352-2359.
11. Molybdate/Tungstate Intercalated Oxo-Bridged Zn/Y LDH for Solar Light Induced Photodegradation of Organic Pollutants. Lagnamayee Mohapatra, **Kulamani Parida***, Minarva Satpathy, **J. Physical Chemistry C** 116 (24), (2012) 13063–13070.
12. Incorporation of Fe⁺³ into Mg/Al Layered double hydroxide Framework; effects on textural properties and photocatalytic activity for H₂ generation. **K. M .Parida***, Lagnamayee Mohapatra and M. Satapathy, **J. Mater.Chem.** 22 (15) (2012) 7350–7357.
13. Facile synthesis of visible light responsive V₂O₅/N,S-TiO₂ composite photocatalyst: enhanced hydrogen production and phenol degradation. S. Martha, D.P. Das, N. Biswal and **K. M. Parida***, **J. Mater. Chem.** 22 (2012) 10695-10703.
14. Facile synthesis of mesoporous composite Fe/Al₂O₃–MCM-41: An efficient adsorbent/catalyst for swift removal of methylene blue and mixed dyes. Amaresh C. Pradhan and **K. M. Parida*** **J. Mater. Chem.**, 22 (15) (2012) 7567 – 7579.

15. Isopropylation of toluene to cymene. Gobinda C Behera, **Kulamani Parida*** and Dipti P Das, **Journal of Catalysis**, 289 (2012) 190-198.
16. Synthesis of multifunctional nanostructured zinc-iron mixed oxide photocatalyst by a simple solution-combustion technique. Gajendra Kumar Pradhan, Satyabadi Martha, **K. M. Parida***, **ACS Applied Materials and Interface**. 4(2012), 707–713.