

Brundabana Naik

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,704
citations

331670

21
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434195

31
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36
all docs

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docs citations

36
times ranked

2090
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Trioctylphosphine Oxide (TOPO)-Assisted Facile Fabrication of Phosphorus-Incorporated Nanostructured Carbon Nitride Toward Photoelectrochemical Water Splitting with Enhanced Activity. <i>Inorganic Chemistry</i> , 2022, 61, 1368-1376. | 4.0 | 10 |
| 2 | Artificial photosynthesis using ultrathin 2D materials. <i>Materials Today: Proceedings</i> , 2022, , . | 1.8 | 0 |
| 3 | Pd supported on 3D graphene aerogel as potential electrocatalyst for alkaline direct methanol fuel cells. <i>Materials Today: Proceedings</i> , 2021, 41, 150-155. | 1.8 | 4 |
| 4 | Dielectric behaviour of EVA/EPDM/HNT ternary nanocomposites. <i>Materials Today: Proceedings</i> , 2021, 41, 211-215. | 1.8 | 2 |
| 5 | Role of graphene nanocomposite photocatalysts in photo-reduction of Cr (VI) for wastewater treatment. <i>Materials Today: Proceedings</i> , 2021, 41, 324-328. | 1.8 | 4 |
| 6 | Phase transition, electronic transitions and visible light driven enhanced photocatalytic activity of Eu ²⁺ /Ni co-doped bismuth ferrite nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 110018. | 4.0 | 17 |
| 7 | Organic-inorganic hybrid hydroquinone bridged V-CdS/HAP/Pd-TCPP: A novel visible light active photocatalyst for phenol degradation. <i>Journal of Molecular Liquids</i> , 2021, 339, 116721. | 4.9 | 15 |
| 8 | Cu ²⁺ /Ag Bimetal Alloy Decorated SiO ₂ @TiO ₂ Hybrid Photocatalyst for Enhanced H ₂ Evolution and Phenol Oxidation under Visible Light. <i>Inorganic Chemistry</i> , 2020, 59, 10824-10834. | 4.0 | 44 |
| 9 | Surface-Plasmon-Resonance-Induced Photocatalysis by Core-Shell SiO ₂ @Ag NCs@Ag ₃ PO ₄ toward Water-Splitting and Phenol Oxidation Reactions. <i>Inorganic Chemistry</i> , 2019, 58, 9643-9654. | 4.0 | 48 |
| 10 | Serendipitous Assembly of Mixed Phase BiVO ₄ on B-Doped g-C ₃ N ₄ : An Appropriate π Heterojunction for Photocatalytic O ₂ evolution and Cr(VI) reduction. <i>Inorganic Chemistry</i> , 2019, 58, 12480-12491. | 4.0 | 85 |
| 11 | Quantum confinement chemistry of CdS QDs plus hot electron of Au over TiO ₂ nanowire protruding to be encouraging photocatalyst towards nitrophenol conversion and ciprofloxacin degradation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102821. | 6.7 | 38 |
| 12 | Synergistic Effects of Boron and Sulfur Co-doping into Graphitic Carbon Nitride Framework for Enhanced Photocatalytic Activity in Visible Light Driven Hydrogen Generation. <i>ACS Applied Energy Materials</i> , 2018, 1, 5936-5947. | 5.1 | 162 |
| 13 | Cr(VI) remediation from aqueous environment through modified-TiO ₂ -mediated photocatalytic reduction. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1448-1470. | 2.8 | 102 |
| 14 | Enhanced photocatalytic activity of nanoporous BiVO ₄ /MCM-41 co-joined nanocomposites for solar energy conversion and environmental pollution abatement. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4524-4530. | 6.7 | 10 |
| 15 | Coupling of Crumpled-Type Novel MoS ₂ with CeO ₂ Nanoparticles: A Noble-Metal-Free π Heterojunction Composite for Visible Light Photocatalytic H ₂ Production. <i>ACS Omega</i> , 2017, 2, 3745-3753. | 3.5 | 121 |
| 16 | Photocatalytic activity of metal-decorated SiO ₂ @TiO ₂ hybrid photocatalysts under water splitting. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2325-2329. | 2.7 | 16 |
| 17 | Photocatalytic H ₂ generation on macro-mesoporous oxide-supported Pt nanoparticles. <i>RSC Advances</i> , 2016, 6, 18198-18203. | 3.6 | 14 |
| 18 | Tailoring metal-oxide interfaces of oxide-encapsulated Pt/silica hybrid nanocatalysts with enhanced thermal stability. <i>Catalysis Today</i> , 2016, 265, 245-253. | 4.4 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Enhanced photocatalytic generation of hydrogen by Pt-deposited nitrogen-doped TiO ₂ hierarchical nanostructures. Applied Surface Science, 2015, 354, 347-352. | 6.1 | 44 |
| 20 | Titania-Encapsulated Hybrid Nanocatalysts as Active and Thermally Stable Model Catalysts. Catalysis Letters, 2015, 145, 930-938. | 2.6 | 3 |
| 21 | Enhanced H ₂ Generation of Au-Loaded, Nitrogen-Doped TiO ₂ Hierarchical Nanostructures under Visible Light. Advanced Materials Interfaces, 2014, 1, 1300018. | 3.7 | 67 |
| 22 | Plasmon Induced Nano Au Particle Decorated over S,N-Modified TiO ₂ for Exceptional Photocatalytic Hydrogen Evolution under Visible Light. ACS Applied Materials & Interfaces, 2014, 6, 839-846. | 8.0 | 99 |
| 23 | Hot Electron and Surface Plasmon-Driven Catalytic Reaction in Metal-Semiconductor Nanostructures. Catalysis Letters, 2014, 144, 1996-2004. | 2.6 | 49 |
| 24 | Catalytic activity of Pt/SiO ₂ nanocatalysts synthesized via ultrasonic spray pyrolysis process under CO oxidation. Applied Catalysis B: Environmental, 2014, 154-155, 171-176. | 20.2 | 34 |
| 25 | Green synthesis of fibrous hierarchical meso-macroporous N doped TiO ₂ nanophotocatalyst with enhanced photocatalytic H ₂ production. International Journal of Hydrogen Energy, 2013, 38, 3545-3553. | 7.1 | 52 |
| 26 | Facile fabrication of mesoporosity driven N-TiO ₂ @CS nanocomposites with enhanced visible light photocatalytic activity. RSC Advances, 2013, 3, 4976. | 3.6 | 46 |
| 27 | Facile Synthesis of Bi ₂ O ₃ /TiO ₂ -xN _x and its Direct Solar-Light-Driven Photocatalytic Selective Hydroxylation of Phenol. ChemCatChem, 2011, 3, 311-318. | 3.7 | 28 |
| 28 | Facile fabrication of Bi ₂ O ₃ /TiO ₂ -xN _x nanocomposites for excellent visible light driven photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2011, 36, 2794-2802. | 7.1 | 92 |
| 29 | Facile Synthesis of N- and S-Incorporated Nanocrystalline TiO ₂ and Direct Solar-Light-Driven Photocatalytic Activity. Journal of Physical Chemistry C, 2010, 114, 19473-19482. | 3.1 | 166 |
| 30 | Solar Light Active Photodegradation of Phenol over a Fe ₃ Ti ₁ O ₂ -xN _x Nanophotocatalyst. Industrial & Engineering Chemistry Research, 2010, 49, 8339-8346. | 3.7 | 45 |
| 31 | Synthesis of mesoporous TiO ₂ -xN _x spheres by template free homogeneous co-precipitation method and their photo-catalytic activity under visible light illumination. Journal of Colloid and Interface Science, 2009, 333, 269-276. | 9.4 | 102 |
| 32 | Preparation, characterization, and photocatalytic activity of sulfate-modified titania for degradation of methyl orange under visible light. Journal of Colloid and Interface Science, 2008, 318, 231-237. | 9.4 | 124 |