

Malay Chakraborty

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

310
citations

1307594

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h-index

1281871

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all docs

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docs citations

11
times ranked

298
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Phase control synthesis of $\hat{1}\pm$, $\hat{1}^2$ and $\hat{1}\pm/\hat{1}^2$ Bi ₂ O ₃ hetero-junction with enhanced and synergistic photocatalytic activity on degradation of toxic dye, Rhodamine-B under natural sunlight. Journal of Hazardous Materials, 2018, 352, 182-191. | 12.4 | 157 |
| 2 | Synthesis of $\hat{1}\pm$ - $\hat{1}^2$ Bi ₂ O ₃ heterojunction photocatalyst and evaluation of reaction mechanism for degradation of RhB dye under natural sunlight. Ceramics International, 2020, 46, 7667-7680. | 4.8 | 63 |
| 3 | LaNiO ₃ /g-C ₃ N ₄ nanocomposite: An efficient Z-scheme photocatalyst for wastewater treatment using direct sunlight. Journal of Rare Earths, 2022, 40, 725-736. | 4.8 | 24 |
| 4 | Significantly improved and synergistic effect of Pt@ZnO@Bi ₂ O ₃ ternary hetero-junctions toward anode-catalytic oxidation of methanol in alkali. Electrochimica Acta, 2019, 322, 134775. | 5.2 | 16 |
| 5 | A high-performance pseudocapacitive electrode based on CuO@MnO ₂ composite in redox-mediated electrolyte. Journal of Materials Science, 2021, 56, 3325-3335. | 3.7 | 15 |
| 6 | Visible light assisted photo-electrocatalytic oxidation of methanol using low Pt content NiO-rutile TiO ₂ ternary heterojunction. Applied Surface Science, 2021, 541, 148450. | 6.1 | 9 |
| 7 | Phase-dependent electrocatalytic activities of Pt-anchored rutile, anatase and mixed anatase-rutile TiO ₂ nano-composites for methanol oxidation in alkali. Solid State Sciences, 2022, 129, 106903. | 3.2 | 9 |
| 8 | Synthesis of mesoporous BiOI flower and facile in-situ preparation of BiOI/BiOCl mixture for enhanced photocatalytic degradation of toxic dye, Rhodamine-B. Journal of Photochemistry and Photobiology, 2021, 8, 100077. | 2.5 | 7 |
| 9 | Synthesis of Different Pt@ZnO Binary Composites for Synergistic Photo-Electrocatalytic Oxidation of Methanol in Alkali. ChemistrySelect, 2021, 6, 6586-6596. | 1.5 | 4 |
| 10 | Photo-electrocatalytic methanol oxidation on Pd decorated BiOI nanoparticles in alkali. Journal of Materials Science, 2022, 57, 2021-2038. | 3.7 | 4 |
| 11 | Anodic oxidation of sodium formate and methanol on Pd and Pt electrodes in alkali: a comparative study. IOP Conference Series: Materials Science and Engineering, 2021, 1080, 012013. | 0.6 | 2 |