

# Malay Chakraborty

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

310  
citations

1307594  
7  
h-index

1281871  
11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

298  
citing authors

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