

# Bhanu Chandra Marepally

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/400504/publications.pdf>

Version: 2024-02-01

12  
papers

268  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic conversion of CO <sub>2</sub> to produce solar fuels in electrolyte or electrolyte-less configurations of PEC cells. Faraday Discussions, 2015, 183, 125-145.	3.2	59
2	Enhanced formation of >C1 Products in Electroreduction of CO <sub>2</sub> by Adding a CO <sub>2</sub> Adsorption Component to a Gasâ€Diffusion Layerâ€Type Catalytic Electrode. ChemSusChem, 2017, 10, 4442-4446.	6.8	50
3	Role of small Cu nanoparticles in the behaviour of nanocarbon-based electrodes for the electrocatalytic reduction of CO <sub>2</sub> . Journal of CO <sub>2</sub> Utilization, 2017, 21, 534-542.	6.8	49
4	Water splitting on 3D-type meso/macro porous structured photoanodes based on Ti mesh. Solar Energy Materials and Solar Cells, 2018, 178, 98-105.	6.2	26
5	Electrocatalytic reduction of CO <sub>2</sub> over dendritic-type Cu- and Fe-based electrodes prepared by electrodeposition. Journal of CO <sub>2</sub> Utilization, 2020, 35, 194-204.	6.8	20
6	Solvothermal Preparation of ZnO/Graphene Nanocomposites and Its Photocatalytic Properties. Nanoscience and Nanotechnology Letters, 2013, 5, 349-354.	0.4	18
7	Area Optimization of CMOS Full Adder Design Using 3T XOR. , 2020, , .		18
8	Production of Solar Fuels Using CO <sub>2</sub> . Studies in Surface Science and Catalysis, 2019, , 7-30.	1.5	11
9	Supported metallic nanoparticles prepared by an organometallic route to boost the electrocatalytic conversion of CO <sub>2</sub> . Journal of CO <sub>2</sub> Utilization, 2021, 50, 101613.	6.8	5
10	Kinetics of Silver Nanoparticle Growth Using DMF as Reductant â€ Effect of Surfactants. Advanced Materials Research, 2014, 938, 30-35.	0.3	4
11	Plasmonic E-field enhancements and coupling effects of metallic structures using FDTD. Materials Today: Proceedings, 2021, 47, 1855-1861.	1.8	4
12	Performance of TiO <sub>2</sub> , Cu-TiO <sub>2</sub> , and N-TiO <sub>2</sub> nanoparticles sensitization with natural dyes for dye sensitized solar cells. Materials Today: Proceedings, 2021, , .	1.8	4