

# Md Golam Kibria

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8667709/publications.pdf>

Version: 2024-02-01

17  
papers

3,742  
citations

686830

13  
h-index

887659

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

4249  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> electroreduction to ethylene via hydroxide-mediated copper catalysis at an abrupt interface. <i>Science</i> , 2018, 360, 783-787.	6.0	1,638
2	Electrochemical CO <sub>2</sub> Reduction into Chemical Feedstocks: From Mechanistic Electrocatalysis Models to System Design. <i>Advanced Materials</i> , 2019, 31, e1807166.	11.1	769
3	Metal-free photocatalysts for hydrogen evolution. <i>Chemical Society Reviews</i> , 2020, 49, 1887-1931.	18.7	374
4	A Surface Reconstruction Route to High Productivity and Selectivity in CO <sub>2</sub> Electroreduction toward C <sub>2+</sub> Hydrocarbons. <i>Advanced Materials</i> , 2018, 30, e1804867.	11.1	200
5	Seawater electrolysis for hydrogen production: a solution looking for a problem?. <i>Energy and Environmental Science</i> , 2021, 14, 4831-4839.	15.6	187
6	Can sustainable ammonia synthesis pathways compete with fossil-fuel based Haber-Bosch processes?. <i>Energy and Environmental Science</i> , 2021, 14, 2535-2548.	15.6	162
7	Boosting Photocatalytic Activity Using Carbon Nitride Based 2D/2D van der Waals Heterojunctions. <i>Chemistry of Materials</i> , 2021, 33, 9012-9092.	3.2	88
8	Comparative life cycle assessment of electrochemical upgrading of CO <sub>2</sub> to fuels and feedstocks. <i>Green Chemistry</i> , 2021, 23, 867-880.	4.6	65
9	A review on electrocatalytic oxidation of methane to oxygenates. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15575-15590.	5.2	62
10	Ligand-Engineered Metal-Organic Frameworks for Electrochemical Reduction of Carbon Dioxide to Carbon Monoxide. <i>ACS Catalysis</i> , 2021, 11, 7350-7357.	5.5	62
11	Sunlight-Driven Biomass Photorefinery for Coproduction of Sustainable Hydrogen and Value-Added Biochemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15772-15781.	3.2	43
12	Polymeric carbon nitride-based photocatalysts for photoreforming of biomass derivatives. <i>Green Chemistry</i> , 2021, 23, 7435-7457.	4.6	39
13	Techno-economic analysis of a solar-powered biomass electrolysis pathway for coproduction of hydrogen and value-added chemicals. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5568-5577.	2.5	20
14	Electropolymerized metal-protoporphyrin electrodes for selective electrochemical reduction of CO <sub>2</sub> . <i>Catalysis Science and Technology</i> , 2021, 11, 1580-1589.	2.1	11
15	Plasmon-Enhanced 5-Hydroxymethylfurfural Production from the Photothermal Conversion of Cellulose in a Biphasic Medium. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16115-16122.	3.2	9
16	Confined synthesis of BiVO <sub>4</sub> nanodot and ZnO cluster co-decorated 3DOM TiO <sub>2</sub> for formic acid production from the xylan-based hemicellulose photorefinery. <i>Green Chemistry</i> , 2021, 23, 8124-8130.	4.6	7
17	Transition pathways towards net-zero emissions methanol production. <i>Green Chemistry</i> , 2021, 23, 9844-9854.	4.6	6