

# Soumitra Payra

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

576  
citations

623188

14  
h-index

839053

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of dihydropyrimidinones via multicomponent reaction route over acid functionalized Metal-Organic framework catalysts. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 729-741.	5.0	14
2	Photo- and Electrocatalytic Reduction of CO <sub>2</sub> over Metal-Organic Frameworks and Their Derived Oxides: A Correlation of the Reaction Mechanism with the Electronic Structure. <i>Inorganic Chemistry</i> , 2022, 61, 2476-2489.	1.9	31
3	Unprecedented Electroreduction of CO <sub>2</sub> over Metal Organic Framework-Derived Intermetallic Nano-Alloy Cu <sub>0.85</sub> Ni <sub>0.15</sub> /C. <i>ACS Applied Energy Materials</i> , 2022, 5, 4945-4955.	2.5	20
4	From Trash to Treasure: Probing Cycloaddition and Photocatalytic Reduction of CO <sub>2</sub> over Cerium-Based Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8497-8507.	1.5	41
5	Dual-Site Cooperation for High Benzyl Alcohol Oxidation Activity of MnO <sub>2</sub> in Biphasic MnO <sub>2</sub> /CeO <sub>2</sub> Catalyst Using Aerial O <sub>2</sub> in the Vapor Phase. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20831-20844.	1.5	12
6	A correlation story of syntheses of ZnO and their influence on photocatalysis. <i>Advanced Powder Technology</i> , 2020, 31, 510-520.	2.0	30
7	Low-Temperature Propylene Epoxidation Activity of CuO/CeO <sub>2</sub> Catalyst with CO + O <sub>2</sub> : Role of Metal-Support Interaction on the Reducibility and Catalytic Property of CuO Species. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14131-14146.	1.5	20
8	A trade-off between adsorption and photocatalysis over ZIF-derived composite. <i>Journal of Hazardous Materials</i> , 2020, 393, 122491.	6.5	42
9	Low temperature catalytic reduction of NO over porous Pt/ZIF-8. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103815.	3.3	15
10	Structure-Sensitive Electrocatalytic Reduction of CO <sub>2</sub> to Methanol over Carbon-Supported Intermetallic PtZn Nano-Alloys. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19402-19414.	4.0	78
11	Understanding the role of catalytic active sites for heterogeneous photocatalytic oxidation of methanol and thermal reduction of NO <sub>x</sub> . <i>Molecular Catalysis</i> , 2019, 476, 110505.	1.0	5
12	A hydrogen evolution reaction induced unprecedentedly rapid electrocatalytic reduction of 4-nitrophenol over ZIF-67 compare to ZIF-8. <i>Journal of Electroanalytical Chemistry</i> , 2019, 853, 113545.	1.9	36
13	Determination of band edges and their influences on photocatalytic reduction of nitrobenzene by bulk and exfoliated g-C <sub>3</sub> N <sub>4</sub> . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3174-3183.	1.3	45
14	Probing the photo- and electro-catalytic degradation mechanism of methylene blue dye over ZIF-derived ZnO. <i>Journal of Hazardous Materials</i> , 2019, 373, 377-388.	6.5	113
15	Role of synthesis of upconversion nanoparticles towards surface modification and photocatalysis. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	3
16	Surface morphology and active sites of TiO <sub>2</sub> for photoassisted catalysis. <i>Research on Chemical Intermediates</i> , 2018, 44, 2261-2273.	1.3	20
17	The structural and surface modification of zeolitic imidazolate frameworks towards reduction of encapsulated CO <sub>2</sub> . <i>New Journal of Chemistry</i> , 2018, 42, 19205-19213.	1.4	22
18	Enhanced Photoinduced Electrocatalytic Oxidation of Methanol Using Pt Nanoparticle-Decorated TiO <sub>2</sub> /Polyaniline Ternary Nanofibers. <i>ACS Omega</i> , 2018, 3, 17778-17788.	1.6	29