Sk Safdar Hossain

List of Publications by Year
in descending order

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30 papers	607 citations	687220 13 h-index	610775 24 g-index
30 all docs	30 docs citations	30 times ranked	802 citing authors

#	Article	IF	Citations
1	Facile synthesis of CuO/CdS heterostructure photocatalyst for the effective degradation of dye under visible light. Environmental Research, 2020, 188, 109803.	3.7	72
2	Nanoadsorbents for wastewater treatment: nextÂgeneration biotechnological solution. International Journal of Environmental Science and Technology, 2020, 17, 4095-4132.	1.8	64
3	Syngas production from CO 2 reforming of methane over neodymium sesquioxide supported cobalt catalyst. Journal of Natural Gas Science and Engineering, 2016, 34, 873-885.	2.1	48
4	Restoration of liquid effluent from oil palm agroindustry in Malaysia using UV/TiO 2 and UV/ZnO photocatalytic systems: A comparative study. Journal of Environmental Management, 2017, 196, 674-680.	3.8	42
5	Electrocatalytic reduction of carbon dioxide on SnO2/MWCNT in aqueous electrolyte solution. Journal of CO2 Utilization, 2016, 16, 346-353.	3.3	39
6	Hydrogen-rich syngas production via steam reforming of palm oil mill effluent (POME) â€“ A thermodynamics analysis. International Journal of Hydrogen Energy, 2019, 44, 20711-20724.	3.8	39
7	Modelling and optimization of syngas production by methane dry reforming over samarium oxide supported cobalt catalyst: response surface methodology and artificial neural networks approach. Clean Technologies and Environmental Policy, 2017, 19, 1181-1193.	2.1	36
8	Catalytic ethylene production from ethanol dehydration over non-modified and phosphoric acid modified Zeolite H-Y (80) catalysts. Fuel Processing Technology, 2017, 158, 85-95.	3.7	36
9	Electrochemical Reduction of Carbon Dioxide over CNT-Supported Nanoscale Copper Electrocatalysts. Journal of Nanomaterials, 2014, 2014, 1-10.	1.5	33
10	Synthesis and Evaluation of Copper-Supported Titanium Oxide Nanotubes as Electrocatalyst for the Electrochemical Reduction of Carbon Oxide to Organics. Catalysts, 2019, 9, 298.	1.6	26
11	WO3 modification effects on Ptâ€“Pd/WO3-OMC electrocatalysts for formic acid oxidation. Applied Catalysis A: General, 2014, 482, 309-317.	2.2	22
12	NiO/MWCNT Catalysts for Electrochemical Reduction of CO2. Electrocatalysis, 2015, 6, 544-553.	1.5	18
13	A Review of the Dynamic Mathematical Modeling of Heavy Metal Removal with the Biosorption Process. Processes, 2022, 10, 1154.	1.3	17
14	Preparation and Evaluation of Nickel Oxide-Carbon Nanotube Supported Palladium as Anode Electrocatalyst for Formic Acid Fuel Cells. International Journal of Electrochemical Science, 0, , 2686-2708.	0.5	12
15	Evaluation of Pd Nanoparticle-Decorated CeO2-MWCNT Nanocomposite as an Electrocatalyst for Formic Acid Fuel Cells. Journal of Electronic Materials, 2018, 47, 2277-2289.	1.0	12
16	Recent Advances in Anode Electrocatalysts for Direct Formic Acid Fuel Cells â€“ Part I â€“ Fundamentals and Pd Based Catalysts. Chemical Record, 2022, 22, .	2.9	10
17	Influence of CeO2 on Pt-Pd/CeO2-OMC Catalysts for Formic Acid Oxidation. Electrocatalysis, 2015, 6, 348-356.	1.5	9
18	Heteroatom-Doped Carbon Materials as Support for Anode Electrocatalysts for Direct Formic Acid Fuel Cells. International Journal of Electrochemical Science, 2021, 16, 150926.	0.5	9

#	Article	IF	Citations
19	Bimetallic Pdâ€“Fe Supported on Nitrogen-Doped Reduced Graphene Oxide as Electrocatalyst for Formic Acid Oxidation. Arabian Journal for Science and Engineering, 2021, 46, 6543-6556.	1.7	9
20	Bimetallic Pd-Co Nanoparticles Supported on Nitrogen-Doped Reduced Graphene Oxide as Efficient Electrocatalysts for Formic Acid Electrooxidation. Catalysts, 2021, 11, 910.	1.6	8
21	Interaction effect of process parameters and <scp>Pdâ€electrocatalyst</scp> in formic acid <scp>electroâ€oxidation</scp> for fuel cell applications: Implementing supervised machine learning algorithms. International Journal of Energy Research, 2022, 46, 21583-21597.	2.2	8
22	Application of Titanium Dioxide (TiO₂) Based Photocatalytic Nanomaterials in Solar and Hydrogen Energy: A Short Review. Materials Science Forum, 0, 712, 25-47.	0.3	7
23	Polymer nanocomposite materials in energy storage: Properties and applications. , 2018, , 239-282.		7
24	Comparative Analysis of Support Vector Machine Regression and Gaussian Process Regression in Modeling Hydrogen Production from Waste Effluent. Sustainability, 2022, 14, 7245.	1.6	7
25	Hydrogen highway: An overview. , 2010, , .		6
26	Dynamic modeling of the isoamyl acetate reactive distillation process. Polish Journal of Chemical Technology, 2017, 19, 59-66.	0.3	5
27	Energy Optimization and Effective Control of Reactive Distillation Process for the Production of High Purity Biodiesel. Processes, 2021, 9, 1340.	1.3	3
28	A Detailed Insight into Acoustic Attenuation in a Static Bed of Hydrophilic Nanosilica. Nanomaterials, 2022, 12, 1509.	1.9	3
29	A Two-Parameter Model for Water-Lubricated Pipeline Transportation of Unconventional Crudes. Energies, 2021, 14, 5665.	1.6	0
30	Application of adsorption techniques for sour and greenhouse gas treatment. Materials Research Foundations, 2017, , 193-226.	0.2	0