

Sk Safdar Hossain

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interaction effect of process parameters and Pd electrocatalyst in formic acid electrooxidation for fuel cell applications: Implementing supervised machine learning algorithms. <i>International Journal of Energy Research</i> , 2022, 46, 21583-21597.	2.2	8
2	A Detailed Insight into Acoustic Attenuation in a Static Bed of Hydrophilic Nanosilica. <i>Nanomaterials</i> , 2022, 12, 1509.	1.9	3
3	Comparative Analysis of Support Vector Machine Regression and Gaussian Process Regression in Modeling Hydrogen Production from Waste Effluent. <i>Sustainability</i> , 2022, 14, 7245.	1.6	7
4	A Review of the Dynamic Mathematical Modeling of Heavy Metal Removal with the Biosorption Process. <i>Processes</i> , 2022, 10, 1154.	1.3	17
5	Recent Advances in Anode Electrocatalysts for Direct Formic Acid Fuel Cells – Part I – Fundamentals and Pd Based Catalysts. <i>Chemical Record</i> , 2022, 22, .	2.9	10
6	Heteroatom-Doped Carbon Materials as Support for Anode Electrocatalysts for Direct Formic Acid Fuel Cells. <i>International Journal of Electrochemical Science</i> , 2021, 16, 150926.	0.5	9
7	Bimetallic Pd-Fe Supported on Nitrogen-Doped Reduced Graphene Oxide as Electrocatalyst for Formic Acid Oxidation. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6543-6556.	1.7	9
8	Bimetallic Pd-Co Nanoparticles Supported on Nitrogen-Doped Reduced Graphene Oxide as Efficient Electrocatalysts for Formic Acid Electrooxidation. <i>Catalysts</i> , 2021, 11, 910.	1.6	8
9	Energy Optimization and Effective Control of Reactive Distillation Process for the Production of High Purity Biodiesel. <i>Processes</i> , 2021, 9, 1340.	1.3	3
10	A Two-Parameter Model for Water-Lubricated Pipeline Transportation of Unconventional Crudes. <i>Energies</i> , 2021, 14, 5665.	1.6	0
11	Nanoadsorbents for wastewater treatment: next generation biotechnological solution. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4095-4132.	1.8	64
12	Facile synthesis of CuO/CdS heterostructure photocatalyst for the effective degradation of dye under visible light. <i>Environmental Research</i> , 2020, 188, 109803.	3.7	72
13	Hydrogen-rich syngas production via steam reforming of palm oil mill effluent (POME) – A thermodynamics analysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20711-20724.	3.8	39
14	Synthesis and Evaluation of Copper-Supported Titanium Oxide Nanotubes as Electrocatalyst for the Electrochemical Reduction of Carbon Oxide to Organics. <i>Catalysts</i> , 2019, 9, 298.	1.6	26
15	Evaluation of Pd Nanoparticle-Decorated $\text{CeO}_2\text{-MWCNT}$ Nanocomposite as an Electrocatalyst for Formic Acid Fuel Cells. <i>Journal of Electronic Materials</i> , 2018, 47, 2277-2289.	1.0	12
16	Polymer nanocomposite materials in energy storage: Properties and applications. , 2018, , 239-282.		7
17	Modelling and optimization of syngas production by methane dry reforming over samarium oxide supported cobalt catalyst: response surface methodology and artificial neural networks approach. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1181-1193.	2.1	36
18	Restoration of liquid effluent from oil palm agroindustry in Malaysia using UV/TiO_2 and UV/ZnO photocatalytic systems: A comparative study. <i>Journal of Environmental Management</i> , 2017, 196, 674-680.	3.8	42

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19	Dynamic modeling of the isoamyl acetate reactive distillation process. Polish Journal of Chemical Technology, 2017, 19, 59-66.	0.3	5
20	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
21	Application of adsorption techniques for sour and greenhouse gas treatment. Materials Research Foundations, 2017, , 193-226.	0.2	0
22	Electrocatalytic reduction of carbon dioxide on SnO ₂ /MWCNT in aqueous electrolyte solution. Journal of CO ₂ Utilization, 2016, 16, 346-353.	3.3	39
23	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
24	Influence of CeO ₂ on Pt-Pd/CeO ₂ -OMC Catalysts for Formic Acid Oxidation. Electrocatalysis, 2015, 6, 348-356.	1.5	9
25	NiO/MWCNT Catalysts for Electrochemical Reduction of CO ₂ . Electrocatalysis, 2015, 6, 544-553.	1.5	18
26	Electrochemical Reduction of Carbon Dioxide over CNT-Supported Nanoscale Copper Electro-catalysts. Journal of Nanomaterials, 2014, 2014, 1-10.	1.5	33
27	WO ₃ modification effects on Pt-Pd/WO ₃ -OMC electrocatalysts for formic acid oxidation. Applied Catalysis A: General, 2014, 482, 309-317.	2.2	22
28	Hydrogen highway: An overview. , 2010, , .		6
29	Application of Titanium Dioxide (TiO ₂) Based Photocatalytic Nanomaterials in Solar and Hydrogen Energy: A Short Review. Materials Science Forum, 0, 712, 25-47.	0.3	7
30	Preparation and Evaluation of Nickel Oxide-Carbon Nanotube Supported Palladium as Anode Electro-catalyst for Formic Acid Fuel Cells. International Journal of Electrochemical Science, 0, , 2686-2708.	0.5	12