

Md Hasan Zahir

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

749
citations

840585

11
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Conversion Efficiency Enhancement of Polyethylene Glycol and a SiO ₂ Composite Doped with Ni, Co, Zn, and Sc Oxides. ACS Omega, 2022, 7, 22657-22670.	1.6	5
2	Preparation of Hierarchical Porous Activated Carbon from Banana Leaves for High Performance Supercapacitor: Effect of Type of Electrolytes on Performance. Chemistry - an Asian Journal, 2021, 16, 296-308.	1.7	88
3	Hybrid polyMOF Materials Prepared by Combining an Organic Polymer with a MOF and Their Application for Solar Thermal Energy Storage. Energy & Fuels, 2021, 35, 10199-10209.	2.5	22
4	Renewable Portfolio Standard Development Assessment in the Kingdom of Saudi Arabia from the Perspective of Policy Networks Theory. Processes, 2021, 9, 1123.	1.3	21
5	Preparation of a Sustainable Shape-Stabilized Phase Change Material for Thermal Energy Storage Based on Mg ²⁺ -Doped CaCO ₃ /PEG Composites. Nanomaterials, 2021, 11, 1639.	1.9	13
6	Efficient Capture of Heavy Metal Ions and Arsenic with a Ca ²⁺ -Carbonate Layered Double-Hydroxide Nanosheet. ACS Omega, 2021, 6, 22909-22921.	1.6	8
7	Fluorescein Hydrazide-Appended Metal-Organic Framework as a Chromogenic and Fluorogenic Chemosensor for Mercury Ions. Molecules, 2021, 26, 5773.	1.7	5
8	UV-Protected Polyurethane/f-Oil Fly Ash-CeO ₂ Coating: Effect of Pre-Mixing f-Oil Fly Ash-CeO ₂ with Monomers. Polymers, 2021, 13, 3232.	2.0	3
9	Soft Computing Applications in Air Quality Modeling: Past, Present, and Future. Sustainability, 2020, 12, 4045.	1.6	17
10	Review of Online and Soft Computing Maximum Power Point Tracking Techniques under Non-Uniform Solar Irradiation Conditions. Energies, 2020, 13, 3256.	1.6	36
11	Multi Self-Healable UV Shielding Polyurethane/CeO ₂ Protective Coating: The Effect of Low-Molecular-Weight Polyols. Polymers, 2020, 12, 1947.	2.0	8
12	Real-Time LFO Damping Enhancement in Electric Networks Employing PSO Optimized ANFIS. Inventions, 2020, 5, 61.	1.3	7
13	Investigation of MPPT Techniques Under Uniform and Non-Uniform Solar Irradiation Condition—A Retrospection. IEEE Access, 2020, 8, 127368-127392.	2.6	146
14	LaCO ₃ OH Nanoprisms and Their Luminescence and NO Reduction Properties. Catalysts, 2020, 10, 394.	1.6	2
15	Recent Advances in Heavy Oil Upgrading Using Dispersed Catalysts. Energy & Fuels, 2019, 33, 7917-7949.	2.5	71
16	Water-Erodible Xanthan-Acrylate-Polyurethane Antifouling Coating. Polymers, 2019, 11, 1700.	2.0	2
17	Supercooling of phase-change materials and the techniques used to mitigate the phenomenon. Applied Energy, 2019, 240, 793-817.	5.1	199
18	Shape-Stabilized Phase Change Material for Solar Thermal Energy Storage: CaO Containing MgCO ₃ Mixed with Polyethylene Glycol. Energy & Fuels, 2019, 33, 12041-12051.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Novel (Co-,Ni)- <i>p</i> - <i>tert</i> -Butylcalix[4]arenes as Dispersed Catalysts for Heavy Oil Upgrading: Synthesis, Characterization, and Performance Evaluation. <i>Energy & Fuels</i> , 2019, 33, 561-573.	2.5	13
20	CaO-containing LaCO ₃ OH nanogears and their luminescence and deNO _x properties. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5363-5377.	1.9	5
21	Hydrothermal synthesis of triangular CeCO ₃ OH particles and photoluminescence properties. <i>Chinese Chemical Letters</i> , 2017, 28, 663-669.	4.8	8
22	Hydrothermal synthesis of tin-doped indium oxide nanoparticles using pamoic acid as an organic additive and their photoluminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3226-3233.	1.1	7
23	Synthesis and Properties of Waterborne Polyurethane (WBPU)/Modified Lignin Amine (MLA) Adhesive: A Promising Adhesive Material. <i>Polymers</i> , 2016, 8, 318.	2.0	32
24	High-Selectivity Y ₂ O ₃ -Doped SiO ₂ Nanocomposite Membranes for Gas Separation in Steam at High Temperatures. <i>Journal of the American Ceramic Society</i> , 2016, 99, 452-460.	1.9	4
25	Synthesis of Nickel and Zinc-Doped Aluminogallate Nanocomposite Spinel with the Hydrothermal Method and Wet Atomization for NO Reduction. <i>Emission Control Science and Technology</i> , 2016, 2, 66-74.	0.8	1
26	Multi-component catalysts with spinel structure for the selective reduction of nitrogen oxide by ethylene in lean-exhaust gas streams. <i>Kinetics and Catalysis</i> , 2013, 54, 578-585.	0.3	3