

Md Hasan Zahir

List of Publications by Year in descending order

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26
papers

749
citations

840585

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552653

26
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26
all docs

26
docs citations

26
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercooling of phase-change materials and the techniques used to mitigate the phenomenon. Applied Energy, 2019, 240, 793-817.	5.1	199
2	Investigation of MPPT Techniques Under Uniform and Non-Uniform Solar Irradiation Conditionâ€”A Retrospection. IEEE Access, 2020, 8, 127368-127392.	2.6	146
3	Preparation of Hierarchical Porous Activated Carbon from Banana Leaves for Highâ€”performance Supercapacitor: Effect of Type of Electrolytes on Performance. Chemistry - an Asian Journal, 2021, 16, 296-308.	1.7	88
4	Recent Advances in Heavy Oil Upgrading Using Dispersed Catalysts. Energy & Fuels, 2019, 33, 7917-7949.	2.5	71
5	Review of Online and Soft Computing Maximum Power Point Tracking Techniques under Non-Uniform Solar Irradiation Conditions. Energies, 2020, 13, 3256.	1.6	36
6	Synthesis and Properties of Waterborne Polyurethane (WBPU)/Modified Lignin Amine (MLA) Adhesive: A Promising Adhesive Material. Polymers, 2016, 8, 318.	2.0	32
7	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
8	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
9	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
10	Soft Computing Applications in Air Quality Modeling: Past, Present, and Future. Sustainability, 2020, 12, 4045.	1.6	17
11	Novel (Co,Ni)- <i>p</i> - <i>tert</i> -Butylcalix[4]arenes as Dispersed Catalysts for Heavy Oil Upgrading: Synthesis, Characterization, and Performance Evaluation. Energy & Fuels, 2019, 33, 561-573.	2.5	13
12	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
13	Hydrothermal synthesis of triangular CeCO ₃ OH particles and photoluminescence properties. Chinese Chemical Letters, 2017, 28, 663-669.	4.8	8
14	Multi Self-Healable UV Shielding Polyurethane/CeO ₂ Protective Coating: The Effect of Low-Molecular-Weight Polyols. Polymers, 2020, 12, 1947.	2.0	8
15	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
16	Hydrothermal synthesis of tin-doped indium oxide nanoparticles using pamoic acid as an organic additive and their photoluminescence properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 3226-3233.	1.1	7
17	Real-Time LFO Damping Enhancement in Electric Networks Employing PSO Optimized ANFIS. Inventions, 2020, 5, 61.	1.3	7
18	Ca ²⁺ -containing La ₃ CO ₃ OH nanogears and their luminescence and de ⁺ NO _x properties. Journal of the American Ceramic Society, 2018, 101, 5363-5377.	1.9	5

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19	Fluorescein Hydrazide-Appended Metal-Organic Framework as a Chromogenic and Fluorogenic Chemosensor for Mercury Ions. <i>Molecules</i> , 2021, 26, 5773.	1.7	5
20	Energy Conversion Efficiency Enhancement of Polyethylene Glycol and a SiO ₂ Composite Doped with Ni, Co, Zn, and Sc Oxides. <i>ACS Omega</i> , 2022, 7, 22657-22670.	1.6	5
21	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
22	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
23	UV-Protected Polyurethane/f-Oil Fly Ash-CeO ₂ Coating: Effect of Pre-Mixing f-Oil Fly Ash-CeO ₂ with Monomers. <i>Polymers</i> , 2021, 13, 3232.	2.0	3
24	Water-Erodible Xanthan-Acrylate-Polyurethane Antifouling Coating. <i>Polymers</i> , 2019, 11, 1700.	2.0	2
25	LaCO ₃ OH Nanoprisms and Their Luminescence and NO Reduction Properties. <i>Catalysts</i> , 2020, 10, 394.	1.6	2
26	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