

Mohammad Azad Alam

List of Publications by Year in descending order

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papers

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24
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docs citations

24
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citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Filament Winding Technology in Composite Pressure Vessels and Challenges: A Review. Journal of Energy Storage, 2022, 49, 103468.	8.1	88
2	Modelling and optimisation of hardness behaviour of sintered Al/SiC composites using RSM and ANN: a comparative study. Journal of Materials Research and Technology, 2020, 9, 14036-14050.	5.8	72
3	Modelling and optimization of microhardness of electroless Ni-W-TiO ₂ composite coating based on machine learning approaches and RSM. Journal of Materials Research and Technology, 2021, 12, 1010-1025.	5.8	48
4	Syngas production from greenhouse gases using Ni-W bimetallic catalyst via dry methane reforming: Effect of W addition. International Journal of Hydrogen Energy, 2021, 46, 27044-27061.	7.1	48
5	Modeling, Optimization and Performance Evaluation of TiC/Graphite Reinforced Al 7075 Hybrid Composites Using Response Surface Methodology. Materials, 2021, 14, 4703.	2.9	29
6	Response surface optimization of syngas production from greenhouse gases via DRM over high performance Ni-W catalyst. International Journal of Hydrogen Energy, 2022, 47, 31058-31071.	7.1	26
7	Performance of Ni ₂ O ₃ -MgO catalyst for Dry Reforming of Methane: Effect of preparation routes. IOP Conference Series: Materials Science and Engineering, 2021, 1092, 012069.	0.6	20
8	A New Approach for Design Optimization and Parametric Analysis of Symmetric Compound Parabolic Concentrator for Photovoltaic Applications. Sustainability, 2021, 13, 4606.	3.2	17
9	Syngas production employing nickel on alumina-magnesia supported catalyst via dry methane reforming. Materialwissenschaft Und Werkstofftechnik, 2021, 52, 1090-1100.	0.9	16
10	Artificial Neural Network Modeling to Predict the Effect of Milling Time and TiC Content on the Crystallite Size and Lattice Strain of Al7075-TiC Composites Fabricated by Powder Metallurgy. Crystals, 2022, 12, 372.	2.2	13
11	Recent Advancements in Advanced Composites for Aerospace Applications: A Review. , 2022, , 319-339.		11
12	A Review of Recent Developments and Applications of Compound Parabolic Concentrator-Based Hybrid Solar Photovoltaic/Thermal Collectors. Sustainability, 2022, 14, 5529.	3.2	10
13	Effect of Sand Fines Concentration on the Erosion-Corrosion Mechanism of Carbon Steel 90° Elbow Pipe in Slug Flow. Materials, 2020, 13, 4601.	2.9	9
14	Influence of Elbow Angle on Erosion-Corrosion of 1018 Steel for Gas-Liquid-Solid Three Phase Flow. Materials, 2022, 15, 3721.	2.9	9
15	Hydrogen production via natural gas reforming: A comparative study between DRM, SRM and BRM techniques. , 2021, , .		8
16	Influence of aluminum addition on the mechanical properties of brass/Al composites fabricated by stir casting. Materials Today: Proceedings, 2022, 48, 811-814.	1.8	7
17	Curve Fitting for Damage Evolution through Regression Analysis for the Kachanov-Rabotnov Model to the Norton-Bailey Creep Law of SS-316 Material. Materials, 2021, 14, 5518.	2.9	5
18	Investigating the effect of mixing time on the crystallite size and lattice strain of the AA7075/TiC composites. Materialwissenschaft Und Werkstofftechnik, 2021, 52, 1112-1120.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Assessment of Lightweight Aggregate Concrete Using Textile Washing Stone. , 2021, , .		4
20	Preparation of bioactive polymer-based composite by different techniques and application in tissue engineering: A review. Journal of Composites and Compounds, 2021, 3, 194-205.	0.5	3
21	Macroscale assessment of low-velocity impact on hybrid composite laminates. Materialwissenschaft Und Werkstofftechnik, 2021, 52, 1101-1111.	0.9	2
22	Experimental Investigations on the Surface Hardness of Synthesized Polystyrene/ZnO Nanocomposites. Lecture Notes in Mechanical Engineering, 2020, , 345-352.	0.4	1
23	Dataset on the effect of receiver size and acceptance half-angle on the aperture width and height of compound parabolic concentrator for low-concentrating photovoltaic applications using RSM. Data in Brief, 2021, 39, 107630.	1.0	1
24	Design and Parametric Analysis of Compound Parabolic Concentrator for Photovoltaic Applications. , 2021, , .		1