

Mardiana Ahmad

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

517
citations

10
h-index

22
g-index

59
ext. papers

671
ext. citations

2.8
avg, IF

4.54
L-index

#	Paper	IF	Citations
53	Biodiesel production from candlenut oil using a non-catalytic supercritical methanol transesterification process: optimization, kinetics, and thermodynamic studies.. <i>RSC Advances</i> , 2022 , 12, 9845-9861	3.7	1
52	Upscaling of Surface Water and Groundwater Interactions in Hyporheic Zone from Local to Regional Scale. <i>Water (Switzerland)</i> , 2022 , 14, 647	3	1
51	Comprehensive Energy Consumption of Elevator Systems Based on Hybrid Approach of Measurement and Calculation in Low- and High-Rise Buildings of Tropical Climate towards Energy Efficiency. <i>Sustainability</i> , 2022 , 14, 4779	3.6	1
50	Modification of the Water Quality Index (WQI) Process for Simple Calculation Using the Multi-Criteria Decision-Making (MCDM) Method: A Review. <i>Water (Switzerland)</i> , 2021 , 13, 905	3	27
49	Preparation and application of sulfonated polysulfone in an electrochemical hydrogen storage system. <i>International Journal of Energy Research</i> , 2021 , 45, 4026-4035	4.5	4
48	Waterless processing of sheep wool fiber in textile industry with supercritical CO ₂ : Potential and challenges. <i>Journal of Cleaner Production</i> , 2021 , 285, 124819	10.3	10
47	Candlenut oil: review on oil properties and future liquid biofuel prospects. <i>International Journal of Energy Research</i> , 2021 , 45, 17057-17079	4.5	4
46	Thermal performance of a fixed-plate air-to-air energy recovery system for building application in hot and humid environment. <i>International Journal of Energy Research</i> , 2021 , 45, 8900-8918	4.5	1
45	Recycling Waste Cotton Cloths for the Isolation of Cellulose Nanocrystals: A Sustainable Approach. <i>Polymers</i> , 2021 , 13,	4.5	2
44	Insights into Solar Disinfection Enhancements for Drinking Water Treatment Applications. <i>Sustainability</i> , 2021 , 13, 10570	3.6	4
43	Carbon-based nanocomposites in solid-state hydrogen storage technology: An overview. <i>International Journal of Energy Research</i> , 2020 , 44, 11044-11058	4.5	15
42	Advancements in Applications of Natural Wool Fiber: Review. <i>Journal of Natural Fibers</i> , 2020 , 1-16	1.8	24
41	Essential Parameters Identification of Hydrogen Storage Materials. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 69-82	0.4	
40	Application of Energy Recovery Systems in Various Building Types and Climatic Conditions 2020 , 107-121		
39	Boosting Hydrogen Storage Performances of Solid-State Materials. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 83-91	0.4	
38	Solid-State Hydrogen Storage Materials. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 41-67	0.4	
37	Evaluating the Performance of Energy Recovery Systems 2020 , 73-88		

36	Building Energy Consumption and Energy Efficiency Strategies 2020 , 5-11		
35	Energy Storage Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 27-39	0.4	
34	Overview of Energy, Society, and Environment Towards Sustainable and Development. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 1-8	0.4	1
33	Overview of Energy. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 9-26	0.4	1
32	Potential Risk and Occupational Exposure of Pesticides Among Rice Farmers of a Village Located in Northern Peninsular of Malaysia. <i>Exposure and Health</i> , 2020 , 12, 735-749	8.8	1
31	Issues, Impacts, and Mitigations of Carbon Dioxide Emissions in the Building Sector. <i>Sustainability</i> , 2020 , 12, 7427	3.6	39
30	Atmospheric Carbon Dioxide and Electricity Production Due to Lockdown. <i>Sustainability</i> , 2020 , 12, 9397	3.6	8
29	Assessment of Outdoor Air Temperature with Different Shaded Area within an Urban University Campus in Hot-Humid Climate. <i>Sustainability</i> , 2020 , 12, 5741	3.6	6
28	Second-Generation Bioethanol: Advancement of Ethanogenic Microorganisms Toward Industrial Production 2020 , 61-79		1
27	A study on electrochemical hydrogen storage performance of Copper phthalocyanine rectangular nanocuboids. <i>Renewable Energy</i> , 2020 , 146, 497-503	8.1	17
26	Theory and Mechanism of Nocturnal Cooling. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 7-14	0.4	
25	Performance Studies of Nocturnal Cooling: The State of the Art. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 23-49	0.4	
24	Electrochemical hydrogen storage properties of Ce _{0.75} Zr _{0.25} O ₂ nanopowders synthesized by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 884-890	5.7	17
23	Introduction: Overview of Buildings and Passive Cooling Technique. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 1-6	0.4	
22	Types and Configurations of Nocturnal Cooling Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 15-22	0.4	
21	Potentials of Nocturnal Cooling in Various Locations/Countries and Climatic Conditions. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 51-61	0.4	
20	Nocturnal Cooling Technology for Building Applications. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 ,	0.4	4
19	Challenges, Future Outlook and Opportunities. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 63-66	0.4	

18	Renewable and Sustainable Materials for Various Green Technology Applications. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 37-50	0.4	
17	Renewable and Sustainable Materials from Chemical Approach. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 5-18	0.4	1
16	Renewable and Sustainable Materials from Biological Approach. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 19-36	0.4	1
15	Physical Effects of Pre-Hydrolysis and Alkali Treatment of Empty Fruit Bunch (EFB) Fibers. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2017 , 8, 387-391	0.2	1
14	Experimental investigation on the performance of an air-to-air energy recovery for building applications in hot-humid climate. <i>Journal of Mechanical Engineering and Sciences</i> , 2016 , 10, 1857-1864	2	5
13	Turbine Ventilator as Low Carbon Technology 2016 , 167-174		2
12	Applications of Air-to-Air Energy Recovery in Various Climatic Conditions: Towards Reducing Energy Consumption in Buildings 2016 , 107-116		3
11	Renewable Energy and Sustainable Technologies for Building and Environmental Applications 2016		4
10	Heat Transfer and Effectiveness Analysis of a Cross-Flow Heat Exchanger for Potential Energy Recovery Applications in Hot-Humid Climate. <i>Energy Research Journal</i> , 2015 , 6, 7-14	0.4	5
9	Molecular DNA identification of medicinal plants used by traditional healers in Malaysia. <i>Genetics and Molecular Research</i> , 2015 , 14, 15937-47	1.2	10
8	Indoor Air Quality of Typical Malaysian Open-air Restaurants. <i>Environment and Pollution</i> , 2014 , 3,	1	2
7	Enhancing Students' Ecological Thinking to Improve Understanding of Environmental Risk 2014 , 265-272		0
6	Review on physical and performance parameters of heat recovery systems for building applications. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 28, 174-190	16.2	49
5	Review on heat recovery technologies for building applications. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 1241-1255	16.2	197
4	An experimental study on the performance of enthalpy recovery system for building applications. <i>Energy and Buildings</i> , 2011 , 43, 2533-2538	7	40
3	Optimizing Supercritical Carbon Dioxide in the Bacterial Inactivation and Cleaning of Sheep Wool Fiber by Using Response Surface Methodology. <i>Journal of Natural Fibers</i> , 1-16	1.8	2
2	A Review on Characterization of Sheep Wool Impurities and Existing Techniques of Cleaning: Industrial and Environmental Challenges. <i>Journal of Natural Fibers</i> , 1-19	1.8	2
1	Waterless sterilization and cleaning of sheep wool fiber using supercritical carbon dioxide. <i>Textile Reseach Journal</i> , 004051752110428	1.7	2

