

Mohammad Rasul

List of Publications by Year in descending order

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70
papers

4,055
citations

136885

32
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118793

62
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71
all docs

71
docs citations

71
times ranked

4380
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofuels Production through Biomass Pyrolysis – A Technological Review. <i>Energies</i> , 2012, 5, 4952-5001.	1.6	998
2	Prospects of 2nd generation biodiesel as a sustainable fuel – Part: 1 selection of feedstocks, oil extraction techniques and conversion technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 1109-1128.	8.2	224
3	Prospect of biofuels as an alternative transport fuel in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 331-351.	8.2	169
4	Recent development on the uses of alternative fuels in cement manufacturing process. <i>Fuel</i> , 2015, 145, 84-99.	3.4	160
5	Prospects of 2nd generation biodiesel as a sustainable fuel – Part 2: Properties, performance and emission characteristics. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 1129-1146.	8.2	144
6	Statistical Diagnosis of the Best Weibull Methods for Wind Power Assessment for Agricultural Applications. <i>Energies</i> , 2014, 7, 3056-3085.	1.6	135
7	Energy recovery from municipal solid waste using pyrolysis technology: A review on current status and developments. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111073.	8.2	113
8	Second Generation Biodiesel: Potential Alternative to-edible Oil-derived Biodiesel. <i>Energy Procedia</i> , 2014, 61, 1969-1972.	1.8	109
9	Prospects, feedstocks and challenges of biodiesel production from beauty leaf oil and castor oil: A nonedible oil sources in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 61, 302-318.	8.2	105
10	Prospect of Moringa Seed Oil as a Sustainable Biodiesel Fuel in Australia: A Review. <i>Procedia Engineering</i> , 2015, 105, 601-606.	1.2	90
11	Transport fuel from waste plastics pyrolysis – A review on technologies, challenges and opportunities. <i>Energy Conversion and Management</i> , 2022, 258, 115451.	4.4	80
12	Recent Developments in Solar Thermal Desalination Technologies: A Review. <i>Energies</i> , 2019, 12, 119.	1.6	76
13	Performance Analysis of an Integrated Fixed Bed Gasifier Model for Different Biomass Feedstocks. <i>Energies</i> , 2013, 6, 6508-6524.	1.6	75
14	Pyrolysis of Municipal Green Waste: A Modelling, Simulation and Experimental Analysis. <i>Energies</i> , 2015, 8, 7522-7541.	1.6	75
15	Parametric study on thermal performance of horizontal earth pipe cooling system in summer. <i>Energy Conversion and Management</i> , 2016, 114, 324-337.	4.4	67
16	Impact of Alternative Fuels on the Cement Manufacturing Plant Performance: An Overview. <i>Procedia Engineering</i> , 2013, 56, 393-400.	1.2	63
17	Optimisation of Second-Generation Biodiesel Production from Australian Native Stone Fruit Oil Using Response Surface Method. <i>Energies</i> , 2018, 11, 2566.	1.6	62
18	Comparison of oil extraction between screw press and solvent (n-hexane) extraction technique from beauty leaf (<i>Calophyllum inophyllum</i> L.) feedstock. <i>Industrial Crops and Products</i> , 2020, 144, 112024.	2.5	58

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19	Lubricity Improvement of the Ultra-low Sulfur Diesel Fuel with the Biodiesel. Energy Procedia, 2015, 75, 111-117.	1.8	57
20	Experimental assessment of a solar desiccant cooling system for an institutional building in subtropical Queensland, Australia. Energy and Buildings, 2013, 62, 78-86.	3.1	55
21	General sustainability indicator of renewable energy system based on grey relational analysis. International Journal of Energy Research, 2013, 37, 1928-1936.	2.2	50
22	Recent development of biodiesel combustion strategies and modelling for compression ignition engines. Renewable and Sustainable Energy Reviews, 2016, 56, 1068-1086.	8.2	48
23	An overview of solar assisted air conditioning in Queensland's subtropical regions, Australia. Renewable and Sustainable Energy Reviews, 2013, 26, 781-804.	8.2	46
24	Assessment of Wind Energy Prospect by Weibull Distribution for Prospective Wind Sites in Australia. Energy Procedia, 2019, 160, 348-355.	1.8	43
25	Techniques to improve the stability of biodiesel: a review. Environmental Chemistry Letters, 2021, 19, 2209-2236.	8.3	43
26	Temperature Monitoring and CFD Analysis of Data Centre. Procedia Engineering, 2013, 56, 551-559.	1.2	42
27	CFD study of heat transfer enhancement and fluid flow characteristics of laminar flow through tube with helical screw tape insert. Energy Procedia, 2019, 160, 699-706.	1.8	42
28	A Study on Thermo-catalytic Degradation for Production of Clean Transport Fuel and Reducing Plastic Wastes. Procedia Engineering, 2015, 105, 865-876.	1.2	40
29	A review on socio-economic aspects of sustainable biofuels. International Journal of Global Warming, 2016, 10, 32.	0.2	37
30	Study on the Tribological Characteristics of Australian Native First Generation and Second Generation Biodiesel Fuel. Energies, 2017, 10, 55.	1.6	36
31	Assessment of Energy Performance and Emission Control Using Alternative Fuels in Cement Industry through a Process Model. Energies, 2017, 10, 1996.	1.6	35
32	Assessment of solar assisted air conditioning in Central Queensland's subtropical climate, Australia. Renewable Energy, 2013, 50, 334-341.	4.3	34
33	An Experimental and Numerical Investigation of Fluidized Bed Gasification of Solid Waste. Energies, 2014, 7, 43-61.	1.6	34
34	Prospects of Biodiesel Production from Macadamia Oil as an Alternative Fuel for Diesel Engines. Energies, 2016, 9, 403.	1.6	34
35	Biodiesel production and characterisation of poppy (<i>Papaver somniferum</i> L.) seed oil methyl ester as a source of 2nd generation biodiesel feedstock. Industrial Crops and Products, 2020, 152, 112493.	2.5	34
36	Macadamia Biodiesel as a Sustainable and Alternative Transport Fuel in Australia. Energy Procedia, 2017, 110, 543-548.	1.8	33

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37	Investigation of exhaust emissions from a stationary diesel engine fuelled with biodiesel. Energy Procedia, 2019, 160, 791-797.	1.8	33
38	Performance assessment of earth pipe cooling system for low energy buildings in a subtropical climate. Energy Conversion and Management, 2015, 106, 815-825.	4.4	30
39	Design and development of advanced fuzzy logic controllers in smart buildings for institutional buildings in subtropical Queensland. Renewable and Sustainable Energy Reviews, 2016, 54, 738-744.	8.2	30
40	Emission characteristics of waste tallow and waste cooking oil based ternary biodiesel fuels. Energy Procedia, 2019, 160, 842-847.	1.8	30
41	Modelling of Renewable Energy Economy in Australia. Energy Procedia, 2014, 61, 1902-1906.	1.8	29
42	Performance and Emission Characteristics of Binary Mixture of Poppy and Waste Cooking Biodiesel. Energy Procedia, 2017, 110, 523-528.	1.8	28
43	Optimization of biodiesel production from stone fruit kernel oil. Energy Procedia, 2019, 160, 268-276.	1.8	28
44	Utilization of Polymer Wastes as Transport Fuel Resources- a Recent Development. Energy Procedia, 2014, 61, 1681-1685.	1.8	24
45	Experimental and computational analysis of combustion characteristics of a diesel engine fueled with diesel-tomato seed oil biodiesel blends. Fuel, 2021, 285, 119243.	3.4	22
46	Aspen Plus Based Simulation for Energy Recovery from Waste to Utilize in Cement Plant Preheater Tower. Energy Procedia, 2014, 61, 922-927.	1.8	21
47	Performance and combustion analysis of diesel engine fueled with grape seed and waste cooking biodiesel. Energy Procedia, 2019, 160, 340-347.	1.8	21
48	Performance, Emission and Combustion Characteristics of a Diesel Engine Powered by Macadamia and Grapeseed Biodiesels. Energies, 2020, 13, 2748.	1.6	20
49	Longitudinal heavy haul train simulations and energy analysis for typical Australian track routes. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2014, 228, 355-366.	1.3	18
50	A parametric analysis of the cooling performance of vertical earth-air heat exchanger in a subtropical climate. Renewable Energy, 2021, 172, 350-367.	4.3	18
51	Conceptual designs of hybrid locomotives for application as heavy haul trains on typical track lines. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2013, 227, 439-452.	1.3	16
52	Performance assessment of carbonation process integrated with coal fired power plant to reduce CO ₂ (carbon dioxide) emissions. Energy, 2014, 64, 330-341.	4.5	13
53	Comparison of Earth Pipe Cooling Performance Between two Different Piping Systems. Energy Procedia, 2014, 61, 1897-1901.	1.8	12
54	Modelling and simulation of performance and combustion characteristics of diesel engine. Energy Procedia, 2019, 160, 662-669.	1.8	11

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55	Thermal performance of building-integrated horizontal earth-air heat exchanger in a subtropical hot humid climate. <i>Geothermics</i> , 2022, 99, 102313.	1.5	11
56	Development of effective performance measures for wayside rail curve lubrication in heavy haul lines. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2014, 228, 481-495.	1.3	10
57	Emission Characteristics of Polymer Additive Mixed Diesel-Sunflower Biodiesel Fuel. <i>Energy Procedia</i> , 2019, 156, 59-64.	1.8	10
58	Recent Developments of Advanced Fuzzy Logic Controllers Used in Smart Buildings in Subtropical Climate. <i>Energy Procedia</i> , 2014, 61, 1021-1024.	1.8	9
59	Performance Analysis of rooftop greenery systems in Australian subtropical climate. <i>Energy Reports</i> , 2020, 6, 50-56.	2.5	9
60	Potential of Saving Energy Using Advanced Fuzzy Logic Controllers in Smart Buildings in Subtropical Climates in Australia. <i>Energy Procedia</i> , 2014, 61, 290-293.	1.8	8
61	Performance and emission characteristics of a compression ignition (CI) engine operated with beauty leaf biodiesel. <i>Energy Procedia</i> , 2019, 160, 641-647.	1.8	7
62	Performance Analysis of Direct Injection Diesel Engine Fueled with Diesel-Tomato Seed Oil Biodiesel Blending by ANOVA and ANN. <i>Energies</i> , 2019, 12, 4421.	1.6	7
63	CFD Simulation and a Pragmatic Analysis of Performance and Emissions of Tomato Seed Biodiesel Blends in a 4-Cylinder Diesel Engine. <i>Energies</i> , 2020, 13, 3688.	1.6	7
64	Energy Savings by Fuzzy Base Control of Occupancy Concentration in Institutional Buildings. <i>Energy Procedia</i> , 2017, 105, 2850-2858.	1.8	6
65	Effects of Baffles on Flow Distribution in an Electrostatic Precipitator (ESP) of a Coal Based Power Plant. <i>Procedia Engineering</i> , 2015, 105, 529-536.	1.2	5
66	The Integration of Day Light with Advance Fuzzy Based Controllers for Institutional Buildings in the Region of Central Queensland, Australia. <i>Energy Procedia</i> , 2017, 105, 2429-2437.	1.8	5
67	Biofuel: An Australian Perspective in Abating the Fossil Fuel Vulnerability. <i>Procedia Engineering</i> , 2015, 105, 628-637.	1.2	4
68	Hydrologic and hydrodynamic modelling of extreme flood events to assess the impact of climate change in a large basin with limited data. <i>Journal of Flood Risk Management</i> , 2018, 11, .	1.6	4
69	Analysis of Energy Performance of Institutional Buildings in Subtropical Climate. <i>Energy Procedia</i> , 2017, 110, 604-610.	1.8	2
70	Ranking the Feedstocks Using Neural Network-Based System for Biofuel Production. , 2021, , .		1