

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	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
2	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
3	Experimental and computational analysis of combustion characteristics of a diesel engine fueled with diesel-tomato seed oil biodiesel blends. <i>Fuel</i> , 2021, 285, 119243.	3.4	22
4	Techniques to improve the stability of biodiesel: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2209-2236.	8.3	43
5	Ranking the Feedstocks Using Neural Network-Based System for Biofuel Production. , 2021, , .		1
6	A parametric analysis of the cooling performance of vertical earth-air heat exchanger in a subtropical climate. <i>Renewable Energy</i> , 2021, 172, 350-367.	4.3	18
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	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
9	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
10	Biodiesel production and characterisation of poppy (<i>Papaver somniferum</i> L.) seed oil methyl ester as a source of 2nd generation biodiesel feedstock. <i>Industrial Crops and Products</i> , 2020, 152, 112493.	2.5	34
11	Performance, Emission and Combustion Characteristics of a Diesel Engine Powered by Macadamia and Grapeseed Biodiesels. <i>Energies</i> , 2020, 13, 2748.	1.6	20
12	Performance Analysis of rooftop greenery systems in Australian subtropical climate. <i>Energy Reports</i> , 2020, 6, 50-56.	2.5	9
13	Emission Characteristics of Polymer Additive Mixed Diesel-Sunflower Biodiesel Fuel. <i>Energy Procedia</i> , 2019, 156, 59-64.	1.8	10
14	Optimization of biodiesel production from stone fruit kernel oil. <i>Energy Procedia</i> , 2019, 160, 268-276.	1.8	28
15	Emission characteristics of waste tallow and waste cooking oil based ternary biodiesel fuels. <i>Energy Procedia</i> , 2019, 160, 842-847.	1.8	30
16	Investigation of exhaust emissions from a stationary diesel engine fuelled with biodiesel. <i>Energy Procedia</i> , 2019, 160, 791-797.	1.8	33
17	Performance and combustion analysis of diesel engine fueled with grape seed and waste cooking biodiesel. <i>Energy Procedia</i> , 2019, 160, 340-347.	1.8	21
18	Assessment of Wind Energy Prospect by Weibull Distribution for Prospective Wind Sites in Australia. <i>Energy Procedia</i> , 2019, 160, 348-355.	1.8	43

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19	CFD study of heat transfer enhancement and fluid flow characteristics of laminar flow through tube with helical screw tape insert. <i>Energy Procedia</i> , 2019, 160, 699-706.	1.8	42
20	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
21	Modelling and simulation of performance and combustion characteristics of diesel engine. <i>Energy Procedia</i> , 2019, 160, 662-669.	1.8	11
22	Recent Developments in Solar Thermal Desalination Technologies: A Review. <i>Energies</i> , 2019, 12, 119.	1.6	76
23	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
24	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
25	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
26	Performance and Emission Characteristics of Binary Mixture of Poppy and Waste Cooking Biodiesel. <i>Energy Procedia</i> , 2017, 110, 523-528.	1.8	28
27	Macadamia Biodiesel as a Sustainable and Alternative Transport Fuel in Australia. <i>Energy Procedia</i> , 2017, 110, 543-548.	1.8	33
28	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
29	Energy Savings by Fuzzy Base Control of Occupancy Concentration in Institutional Buildings. <i>Energy Procedia</i> , 2017, 105, 2850-2858.	1.8	6
30	Analysis of Energy Performance of Institutional Buildings in Subtropical Climate. <i>Energy Procedia</i> , 2017, 110, 604-610.	1.8	2
31	Assessment of Energy Performance and Emission Control Using Alternative Fuels in Cement Industry through a Process Model. <i>Energies</i> , 2017, 10, 1996.	1.6	35
32	Study on the Tribological Characteristics of Australian Native First Generation and Second Generation Biodiesel Fuel. <i>Energies</i> , 2017, 10, 55.	1.6	36
33	Prospects of Biodiesel Production from Macadamia Oil as an Alternative Fuel for Diesel Engines. <i>Energies</i> , 2016, 9, 403.	1.6	34
34	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
35	A review on socio-economic aspects of sustainable biofuels. <i>International Journal of Global Warming</i> , 2016, 10, 32.	0.2	37
36	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

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37	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
38	Recent development of biodiesel combustion strategies and modelling for compression ignition engines. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 1068-1086.	8.2	48
39	Design and development of advanced fuzzy logic controllers in smart buildings for institutional buildings in subtropical Queensland. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 738-744.	8.2	30
40	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
41	Pyrolysis of Municipal Green Waste: A Modelling, Simulation and Experimental Analysis. <i>Energies</i> , 2015, 8, 7522-7541.	1.6	75
42	Lubricity Improvement of the Ultra-low Sulfur Diesel Fuel with the Biodiesel. <i>Energy Procedia</i> , 2015, 75, 111-117.	1.8	57
43	Recent development on the uses of alternative fuels in cement manufacturing process. <i>Fuel</i> , 2015, 145, 84-99.	3.4	160
44	Biofuel: An Australian Perspective in Abating the Fossil Fuel Vulnerability. <i>Procedia Engineering</i> , 2015, 105, 628-637.	1.2	4
45	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
46	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
47	A Study on Thermo-catalytic Degradation for Production of Clean Transport Fuel and Reducing Plastic Wastes. <i>Procedia Engineering</i> , 2015, 105, 865-876.	1.2	40
48	Performance assessment of earth pipe cooling system for low energy buildings in a subtropical climate. <i>Energy Conversion and Management</i> , 2015, 106, 815-825.	4.4	30
49	Prospect of biofuels as an alternative transport fuel in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 331-351.	8.2	169
50	Comparison of Earth Pipe Cooling Performance Between two Different Piping Systems. <i>Energy Procedia</i> , 2014, 61, 1897-1901.	1.8	12
51	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
52	Aspen Plus Based Simulation for Energy Recovery from Waste to Utilize in Cement Plant Preheater Tower. <i>Energy Procedia</i> , 2014, 61, 922-927.	1.8	21
53	Modelling of Renewable Energy Economy in Australia. <i>Energy Procedia</i> , 2014, 61, 1902-1906.	1.8	29
54	An Experimental and Numerical Investigation of Fluidized Bed Gasification of Solid Waste. <i>Energies</i> , 2014, 7, 43-61.	1.6	34

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55	Statistical Diagnosis of the Best Weibull Methods for Wind Power Assessment for Agricultural Applications. <i>Energies</i> , 2014, 7, 3056-3085.	1.6	135
56	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
57	Utilization of Polymer Wastes as Transport Fuel Resources- a Recent Development. <i>Energy Procedia</i> , 2014, 61, 1681-1685.	1.8	24
58	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
59	Second Generation Biodiesel: Potential Alternative to-edible Oil-derived Biodiesel. <i>Energy Procedia</i> , 2014, 61, 1969-1972.	1.8	109
60	Longitudinal heavy haul train simulations and energy analysis for typical Australian track routes. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2014, 228, 355-366.	1.3	18
61	Performance assessment of carbonation process integrated with coal fired power plant to reduce CO ₂ (carbon dioxide) emissions. <i>Energy</i> , 2014, 64, 330-341.	4.5	13
62	Impact of Alternative Fuels on the Cement Manufacturing Plant Performance: An Overview. <i>Procedia Engineering</i> , 2013, 56, 393-400.	1.2	63
63	An overview of solar assisted air conditioning in Queensland's subtropical regions, Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 781-804.	8.2	46
64	Assessment of solar assisted air conditioning in Central Queensland's subtropical climate, Australia. <i>Renewable Energy</i> , 2013, 50, 334-341.	4.3	34
65	Temperature Monitoring and CFD Analysis of Data Centre. <i>Procedia Engineering</i> , 2013, 56, 551-559.	1.2	42
66	Experimental assessment of a solar desiccant cooling system for an institutional building in subtropical Queensland, Australia. <i>Energy and Buildings</i> , 2013, 62, 78-86.	3.1	55
67	Performance Analysis of an Integrated Fixed Bed Gasifier Model for Different Biomass Feedstocks. <i>Energies</i> , 2013, 6, 6508-6524.	1.6	75
68	Conceptual designs of hybrid locomotives for application as heavy haul trains on typical track lines. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2013, 227, 439-452.	1.3	16
69	General sustainability indicator of renewable energy system based on grey relational analysis. <i>International Journal of Energy Research</i> , 2013, 37, 1928-1936.	2.2	50
70	Biofuels Production through Biomass Pyrolysis – A Technological Review. <i>Energies</i> , 2012, 5, 4952-5001.	1.6	998