

Rahmat B Mohsin

List of Publications by Year in descending order

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40
papers

791
citations

686830

13
h-index

500791

28
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41
all docs

41
docs citations

41
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of porous carbons derived from sustainable palm solid waste for carbon dioxide capture. <i>Journal of Cleaner Production</i> , 2014, 71, 148-157.	4.6	125
2	Effect of biodiesel blends on engine performance and exhaust emission for diesel dual fuel engine. <i>Energy Conversion and Management</i> , 2014, 88, 821-828.	4.4	108
3	Failure analysis of natural gas pipes. <i>Engineering Failure Analysis</i> , 2010, 17, 818-837.	1.8	95
4	Review of oil-water through pipes. <i>Flow Measurement and Instrumentation</i> , 2015, 45, 357-374.	1.0	48
5	Experimental and computational failure analysis of natural gas pipe. <i>Engineering Failure Analysis</i> , 2012, 19, 32-42.	1.8	40
6	Mineral Carbonation of Red Gypsum for CO ₂ Sequestration. <i>Energy & Fuels</i> , 2014, 28, 5953-5958.	2.5	39
7	Energy and exergy utilization efficiencies and emission performance of Canadian transportation sector, 1990-2035. <i>Energy</i> , 2014, 64, 355-366.	4.5	38
8	Experimental investigation of oil-water two-phase flow in horizontal pipes: Pressure losses, liquid holdup and flow patterns. <i>Journal of Petroleum Science and Engineering</i> , 2015, 127, 409-420.	2.1	38
9	Effect of emulsified water on the wax appearance temperature of water-in-waxy-crude-oil emulsions. <i>Thermochimica Acta</i> , 2016, 637, 132-142.	1.2	33
10	Influence of clay particles on Al ₂ O ₃ and TiO ₂ nanoparticles transport and retention through limestone porous media: measurements and mechanisms. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	32
11	An experimental study of flow patterns pertinent to waxy crude oil-water two-phase flows. <i>Chemical Engineering Science</i> , 2017, 164, 313-332.	1.9	32
12	Experimental study of the anti-knock efficiency of high-octane fuels in spark ignited aircraft engine using response surface methodology. <i>Applied Energy</i> , 2020, 259, 114150.	5.1	29
13	Failure Investigation of Natural Gas Pipeline. <i>Arabian Journal for Science and Engineering</i> , 2012, 37, 1083-1088.	1.1	19
14	Multiple failures of API 5L X42 natural gas pipe: Experimental and computational analysis. <i>Engineering Failure Analysis</i> , 2013, 34, 10-23.	1.8	14
15	Multiple failures of API 5L X42 natural gas pipeline. <i>Engineering Failure Analysis</i> , 2013, 31, 421-429.	1.8	13
16	Performance of Diesel-Compressed Natural Gas (CNG) Dual Fuel (DDF) Engine via CNG-Air Venturi Mixjector Application. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 7335-7344.	1.1	13
17	Response surface methodology application in optimization of performance and exhaust emissions of RON 98, aviation gasoline 100LL and the blends in Lycoming O-320 engine. <i>Fuel</i> , 2019, 256, 115909.	3.4	10
18	Safety distance between underground natural gas and water pipeline facilities. <i>Reliability Engineering and System Safety</i> , 2014, 131, 53-60.	5.1	9

#	ARTICLE	IF	CITATIONS
19	Erosive Failure of Natural Gas Pipes. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2014, 5, .	0.9	8
20	A study of the throughflow of nucleating steam in a turbine stage by a time-marching method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 932-949.	1.1	7
21	Response Surface Methodology (RSM) in Optimization of Performance and Exhaust Emissions of RON 97, RON 98, and RON 100 (Motor Gasoline) and AVGAS 100LL (Aviation Gasoline) in Lycoming O-320 Engine. <i>SAE International Journal of Engines</i> , 0, 12, .	0.4	6
22	Synthesis and Characterization of Green Porous Carbons with Large Surface Area by Two Step Chemical Activation with KOH. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 67, .	0.3	5
23	Numerical analysis of wall shear patterns on the external wall of an API 5L X42 natural gas pipe. <i>Engineering Failure Analysis</i> , 2015, 48, 30-40.	1.8	5
24	Experimental optimisation comparison of detonation characteristics between leaded aviation gasoline low lead and its possible unleaded alternatives. <i>Fuel</i> , 2020, 281, 118726.	3.4	5
25	Mixture temperature prediction of waxy oil-water two-phase system flowing near wax appearance temperature. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 795-802.	1.7	4
26	ENGINE PERFORMANCE AND EXHAUST EMISSION OF DIESEL DUAL FUEL ENGINE FUELLED BY BIODIESEL, DIESEL AND NATURAL GAS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	3
27	Effects of Compressed Natural Gas (CNG) Injector Position on Intake Manifold towards Diesel-CNG Dual Fuel (DDF) Engine Performance. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 70, .	0.3	2
28	Synthesis and Characterization of Bio-Based Porous Carbons by Two Step Physical Activation with CO ₂ . <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 68, .	0.3	2
29	Artificial Weathering as a Function of CO ₂ Injection in Pahang Sandstone Malaysia: Investigation of Dissolution Rate in Surficial Condition. <i>Scientific Reports</i> , 2014, 4, 3645.	1.6	2
30	FRACTURE MODELING IN OIL AND GAS RESERVOIRS USING IMAGE LOGS DATA AND PETREL SOFTWARE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 75, .	0.3	2
31	Effect of Bioethanol on Engine Performance and Exhaust Emissions of a Diesel Fuel Engine. <i>International Journal of Technology</i> , 2016, 7, 972.	0.4	2
32	Phenolic Rich Components Identification of Heavy Oil Fractions of Biomass Pyrolytic Oil for Epoxy Resin Binder. <i>Applied Mechanics and Materials</i> , 0, 554, 332-336.	0.2	1
33	Preparation of Epoxy-Novolac Resin Binder Using Phenolic Rich Fractions of Biomass Pyrolytic Oil as Partial Substitute of Phenol. <i>Applied Mechanics and Materials</i> , 0, 554, 101-105.	0.2	1
34	Flow Pattern Map of Malaysian Crude Oil and Water Two-Phase Flow in a Pipe System. <i>Advanced Materials Research</i> , 0, 931-932, 1243-1247.	0.3	1
35	Erosive Wear Of Natural Gas Pipes Due To High Velocity Jet Impact: Computer Simulation Study. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 0, , .	0.3	0
36	Erosive Wear Of Natural Gas Pipes Due To High Velocity Jet Impact: Physical Examination And Experimental Study. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2012, , .	0.3	0

#	ARTICLE	IF	CITATIONS
37	Effect of Obstacle on Deflagration to Detonation Transition (DDT) in Closed Pipe or Channel – An Overview. Jurnal Teknologi (Sciences and Engineering), 2013, 66, .	0.3	0
38	A NEW TECHNIQUE TO PREDICT THE FRACTURES DIP USING ARTIFICIAL NEURAL NETWORKS AND IMAGE LOGS DATA. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	0
39	Application of factor analysis in the determination of vapor lock tendency in aviation gasolines/motor gasoline/blends and the compatibility as alternatives in naturally aspirated aviation engines. AEJ - Alexandria Engineering Journal, 2021, 60, 5703-5724.	3.4	0
40	A Single Step Pressure Regulation System For The Natural Gas Motorcycle. Jurnal Teknologi (Sciences) Tj ETQq0 0 0rgBT /Overlock 10 T	0.3	0