

# 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  
g-index

41  
all docs

41  
docs citations

41  
times ranked

913  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 5703-5724.	3.4	0
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	A NEW TECHNIQUE TO PREDICT THE FRACTURES DIP USING ARTIFICIAL NEURAL NETWORKS AND IMAGE LOGS DATA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 75, .	0.3	0
11	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
12	Influence of clay particles on Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> nanoparticles transport and retention through limestone porous media: measurements and mechanisms. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	32
13	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
14	Review of oil-water through pipes. <i>Flow Measurement and Instrumentation</i> , 2015, 45, 357-374.	1.0	48
15	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
16	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
17	Synthesis and Characterization of Bio-Based Porous Carbons by Two Step Physical Activation with CO <sub>2</sub> . <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 68, .	0.3	2
18	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

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19	A study of the throughflow of nucleating steam in a turbine stage by a time-marching method. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 932-949.	1.1	7
20	Erosive Failure of Natural Gas Pipes. Journal of Pipeline Systems Engineering and Practice, 2014, 5, .	0.9	8
21	Energy and exergy utilization efficiencies and emission performance of Canadian transportation sector, 1990â€”2035. Energy, 2014, 64, 355-366.	4.5	38
22	Safety distance between underground natural gas and water pipeline facilities. Reliability Engineering and System Safety, 2014, 131, 53-60.	5.1	9
23	Mineral Carbonation of Red Gypsum for CO <sub>2</sub> Sequestration. Energy & Fuels, 2014, 28, 5953-5958.	2.5	39
24	Performance of Diesel-Compressed Natural Gas (CNG) Dual Fuel (DDF) Engine via CNG-Air Venturi Mixjector Application. Arabian Journal for Science and Engineering, 2014, 39, 7335-7344.	1.1	13
25	Effect of biodiesel blends on engine performance and exhaust emission for diesel dual fuel engine. Energy Conversion and Management, 2014, 88, 821-828.	4.4	108
26	Assessment of porous carbons derived from sustainable palm solid waste for carbon dioxide capture. Journal of Cleaner Production, 2014, 71, 148-157.	4.6	125
27	Artificial Weathering as a Function of CO <sub>2</sub> Injection in Pahang Sandstone Malaysia: Investigation of Dissolution Rate in Surficial Condition. Scientific Reports, 2014, 4, 3645.	1.6	2
28	Multiple failures of API 5L X42 natural gas pipe: Experimental and computational analysis. Engineering Failure Analysis, 2013, 34, 10-23.	1.8	14
29	Multiple failures of API 5L X42 natural gas pipeline. Engineering Failure Analysis, 2013, 31, 421-429.	1.8	13
30	Effect of Obstacle on Deflagration to Detonation Transition (DDT) in Closed Pipe or Channelâ€”An Overview. Jurnal Teknologi (Sciences and Engineering), 2013, 66, .	0.3	0
31	Erosive Wear Of Natural Gas Pipes Due To High Velocity Jet Impact: Physical Examination And Experimental Study. Jurnal Teknologi (Sciences and Engineering), 2012, , .	0.3	0
32	Failure Investigation of Natural Gas Pipeline. Arabian Journal for Science and Engineering, 2012, 37, 1083-1088.	1.1	19
33	Experimental and computational failure analysis of natural gas pipe. Engineering Failure Analysis, 2012, 19, 32-42.	1.8	40
34	Failure analysis of natural gas pipes. Engineering Failure Analysis, 2010, 17, 818-837.	1.8	95
35	Erosive Wear Of Natural Gas Pipes Due To High Velocity Jet Impact: Computer Simulation Study. Jurnal Teknologi (Sciences and Engineering), 0, , .	0.3	0
36	Phenolic Rich Components Identification of Heavy Oil Fractions of Biomass Pyrolytic Oil for Epoxy Resin Binder. Applied Mechanics and Materials, 0, 554, 332-336.	0.2	1

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37	Preparation of Epoxy-Novolac Resin Binder Using Phenolic Rich Fractions of Biomass Pyrolytic Oil as Partial Substitute of Phenol. Applied Mechanics and Materials, 0, 554, 101-105.	0.2	1
38	Flow Pattern Map of Malaysian Crude Oil and Water Two-Phase Flow in a Pipe System. Advanced Materials Research, 0, 931-932, 1243-1247.	0.3	1
39	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. SAE International Journal of Engines, 0, 12, .	0.4	6
40	A Single Step Pressure Regulation System For The Natural Gas Motorcycle. Jurnal Teknologi (Sciences) Tj ETQq0 0 0rgBT /Overlock 10 T	0.5	0