

# Abdul Aziz Hairuddin

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

550  
citations

933447

10  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Augmented reality: capabilities and challenges in machining industry aligned with industry 4.0. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 45-53.	1.4	5
2	Impact of Plasma Combustion Technology on Micro Gas Turbines Using Biodiesel Fuels. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4321.	2.5	1
3	Design improvement of compressed natural gas (CNG)-Air mixer for diesel dual-fuel engines using computational fluid dynamics. <i>Energy</i> , 2021, 216, 118957.	8.8	16
4	Development of Solar Powered Biodiesel Reactor for Kuwait Sheep Tallow. <i>Processes</i> , 2021, 9, 1623.	2.8	4
5	Vibration control of FSAE quarter car suspension test rig using magnetorheological damper. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2020, 17, 1281.	0.8	1
6	The performance of an HCCI-DI engine fuelled with palm oil-based biodiesel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 469, 012079.	0.6	4
7	Fuel atomization in gas turbines: A review of novel technology. <i>International Journal of Energy Research</i> , 2019, 43, 3166-3181.	4.5	26
8	Effects of Hot Exhaust Gas Recirculation (EGR) on the Emission and Performance of a Single-Cylinder Diesel Engine. <i>International Journal of Automotive and Mechanical Engineering</i> , 2019, 16, 6660-6674.	0.9	5
9	ENERGY AUDIT OF SUBCRITICAL PLANT PERFORMANCE WITH DIFFERENT TYPES OF SUBBITUMINOUS COAL. <i>Journal of Mechanical Engineering Research and Developments (discontinued)</i> , 2019, 42, 264-268.	0.7	2
10	Development of evaporative intercooler heat exchanger for vehicle charge air enhancement using CFD simulation. <i>Journal of Mechanical Engineering and Sciences</i> , 2019, 13, 6195-6217.	0.6	0
11	A review on plasma combustion of fuel in internal combustion engines. <i>International Journal of Energy Research</i> , 2018, 42, 1813-1833.	4.5	18
12	Recent trends in biodiesel production from commonly used animal fats. <i>International Journal of Energy Research</i> , 2018, 42, 885-902.	4.5	40
13	Review of solar parabolic-trough collector geometrical and thermal analyses, performance, and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 822-831.	16.4	97
14	Parametric Study on the Thermal Performance and Optimal Design Elements of Solar Air Heater Enhanced with Jet Impingement on a Corrugated Absorber Plate. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-21.	2.5	18
15	Effect of Fuel Injection Strategies on Performance and Emissions in HCCI Engines: a Review. <i>International Review of Mechanical Engineering</i> , 2018, 12, 341.	0.2	1
16	Performance analysis of solar air heater with jet impingement on corrugated absorber plate. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 111-120.	5.7	102
17	The use of different types of piston in an HCCI engine: A review. <i>International Journal of Automotive and Mechanical Engineering</i> , 2017, 14, 4348-4368.	0.9	9
18	Single-zone zero-dimensional model study for diesel-fuelled homogeneous charge compression ignition (HCCI) engines using Cantera. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016, 13, 3309-3328.	0.9	6

#	ARTICLE	IF	CITATIONS
19	A review of hydrogen and natural gas addition in diesel HCCI engines. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 739-761.	16.4	120
20	An Introduction to a Homogeneous Charge Compression Ignition Engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 7, 1042-1052.	0.6	24
21	Effect of Different Heat Transfer Models on a Diesel Homogeneous Charge Compression Ignition Engine. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1292-1304.	0.9	17
22	Modelling of Non-Premixed Turbulent Combustion of Hydrogen using Conditional Moment Closure Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 36, 012036.	0.6	4
23	International regulation of vehicle emissions control rules and its influence on academic engine development experimental study and vehicle manufacturing. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 469, 012070.	0.6	4
24	A review of the performance and emissions of nano additives in diesel fuelled compression ignition-engines. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 469, 012035.	0.6	21
25	Nano Gas Bubbles Dissolve in Gasoline Fuel and Its Influence on Engine Combustion Performance. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 469, 012062.	0.6	3
26	The performance of a single-cylinder diesel engine fuelled with egusi based biodiesel. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 469, 012045.	0.6	2