

# 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	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
2	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
3	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
4	Recent trends in biodiesel production from commonly used animal fats. <i>International Journal of Energy Research</i> , 2018, 42, 885-902.	4.5	40
5	Fuel atomization in gas turbines: A review of novel technology. <i>International Journal of Energy Research</i> , 2019, 43, 3166-3181.	4.5	26
6	An Introduction to a Homogeneous Charge Compression Ignition Engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 7, 1042-1052.	0.6	24
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Development of Solar Powered Biodiesel Reactor for Kuwait Sheep Tallow. Processes, 2021, 9, 1623.	2.8	4
20	Nano Gas Bubbles Dissolve in Gasoline Fuel and Its Influence on Engine Combustion Performance. IOP Conference Series: Materials Science and Engineering, 0, 469, 012062.	0.6	3
21	The performance of a single-cylinder diesel engine fuelled with egusi based biodiesel. IOP Conference Series: Materials Science and Engineering, 0, 469, 012045.	0.6	2
22	ENERGY AUDIT OF SUBCRITICAL PLANT PERFORMANCE WITH DIFFERENT TYPES OF SUBBITUMINOUS COAL. Journal of Mechanical Engineering Research and Developments (discontinued), 2019, 42, 264-268.	0.7	2
23	Effect of Fuel Injection Strategies on Performance and Emissions in HCCI Engines: a Review. International Review of Mechanical Engineering, 2018, 12, 341.	0.2	1
24	Vibration control of FSAE quarter car suspension test rig using magnetorheological damper. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 17, 1281.	0.8	1
25	Impact of Plasma Combustion Technology on Micro Gas Turbines Using Biodiesel Fuels. Applied Sciences (Switzerland), 2022, 12, 4321.	2.5	1
26	Development of evaporative intercooler heat exchanger for vehicle charge air enhancement using CFD simulation. Journal of Mechanical Engineering and Sciences, 2019, 13, 6195-6217.	0.6	0