

Aman Bin Mamat

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal analysis of Al ₂ O ₃ water ethylene glycol mixture nanofluid for single PEM fuel cell cooling plate: An experimental study. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5096-5112.	7.1	82
2	Characterisation of a low pressure turbine for turbocompounding applications in a heavily downsized mild-hybrid gasoline engine. <i>Energy</i> , 2014, 64, 3-16.	8.8	45
3	Thermophysical Properties of Silicon Dioxide (SiO ₂) in Ethylene Glycol/Water Mixture for Proton Exchange Membrane Fuel Cell Cooling Application. <i>Energy Procedia</i> , 2015, 79, 366-371.	1.8	43
4	Waste heat recovery using a novel high performance low pressure turbine for electric turbocompounding in downsized gasoline engines: Experimental and computational analysis. <i>Energy</i> , 2015, 90, 218-234.	8.8	37
5	Effect of dynamic load on the temperature profiles and cooling response time of a proton exchange membrane fuel cell. <i>Journal of the Energy Institute</i> , 2018, 91, 349-357.	5.3	35
6	A REVIEW OF NANOFLUID ADOPTION IN POLYMER ELECTROLYTE MEMBRANE (PEM) FUEL CELLS AS AN ALTERNATIVE COOLANT. <i>Journal of Mechanical Engineering and Sciences</i> , 2015, 8, 1351-1366.	0.6	33
7	Experimental Investigation of Al ₂ O ₃ - Water Ethylene Glycol Mixture Nanofluid Thermal Behaviour in a Single Cooling Plate for PEM Fuel Cell Application. <i>Energy Procedia</i> , 2015, 79, 252-258.	1.8	28
8	Heavy-duty engine electric turbocompounding. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015, 229, 457-472.	1.9	25
9	Effects of Air Intake Pressure on the Engine Performance, Fuel Economy and Exhaust Emissions of A Small Gasoline Engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 6, 949-958.	0.6	25
10	Effects of Air Intake Pressure to the Fuel Economy and Exhaust Emissions on a Small SI Engine. <i>Procedia Engineering</i> , 2013, 68, 278-284.	1.2	22
11	Thermal Analysis of Heat Transfer Enhancement and Fluid Flow for Low Concentration of Al ₂ O ₃ Water - Ethylene Glycol Mixture Nanofluid in a Single PEMFC Cooling Plate. <i>Energy Procedia</i> , 2015, 79, 259-264.	1.8	22
12	Design methodology of a low pressure turbine for waste heat recovery via electric turbocompounding. <i>Applied Thermal Engineering</i> , 2016, 107, 1166-1182.	6.0	10
13	NUMERICAL HEAT TRANSFER ANALYSIS OF WASTE HEAT EXCHANGER FOR EXHAUST GAS ENERGY RECOVERY. <i>Journal of Mechanical Engineering and Sciences</i> , 2015, 8, 1498-1506.	0.6	9
14	A High Performance Low Pressure Ratio Turbine for Engine Electric Turbocompounding. , 2011, , .		6
15	AN OVERVIEW OF SPARK IGNITION ENGINE OPERATING ON LOWER-HIGHER MOLECULAR MASS ALCOHOL BLENDED GASOLINE FUELS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.4	6
16	Exhaust Gas Energy Recovery Via Electric Turbocompounding. <i>Energy Procedia</i> , 2015, 75, 1555-1559.	1.8	6
17	Mean Line Flow Model of Steady and Pulsating Flow of a Mixed-Flow Turbine Turbocharger. , 2010, , .		5
18	EFFECTS OF ETHANOL BLENDS ON GASOLINE ENGINE PERFORMANCE AND EXHAUST EMISSIONS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.4	5

#	ARTICLE	IF	CITATIONS
19	Thermal performance of Al ₂ O ₃ in water - ethylene glycol nanofluid mixture as cooling medium in mini channel. AIP Conference Proceedings, 2015, , .	0.4	3
20	CHARACTERISTICS OF K3-VEI4 ENGINE PERFORMANCE USING SWIRL GENERATOR, AIR INTAKE TANK AND EXHAUST GAS RECIRCULATION MODIFICATION. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2484-2494.	0.9	3
21	Steady - State Potential Energy Recovery Modeling of an Open Cathode PEM Fuel Cell Vehicle. Applied Mechanics and Materials, 0, 465-466, 114-119.	0.2	2
22	Thermal Analysis of Heat Recovery Unit to Recover Exhaust Energy for Using in Organic Rankine Cycle. Applied Mechanics and Materials, 0, 393, 781-786.	0.2	2
23	Thermal and electrical experimental characterization of Ethylene Glycol and water mixture nanofluids for a 400w Proton Exchange Membrane Fuel Cell. , 2014, , .		1
24	THERMOPHYSICAL PROPERTIES ANALYSIS FOR AMMONIA-WATER MIXTURE OF AN ORGANIC RANKINE CYCLE. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	1
25	DETERMINATION OF DELAMINATION SIZE IN HONEYCOMB SANDWICH PANEL USING FINITE ELEMENT METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	0
26	SINGLE PASSAGE CFD ANALYSIS FOR NON-RADIAL FIBRE ELEMENT OF LOW PRESSURE TURBINE. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0
27	FLIGHT PERFORMANCE OF VARIOUS BLENDED WING-BODY SMALL UAV DESIGNS. Jurnal Teknologi (Sciences) Tj ETQg1 1 0.784314 r	0.4	0
28	CHARACTERIZATION OF PERODUA MYVI K3-VE I4 ENGINE PERFORMANCE USING EXHAUST GAS RECIRCULATION (EGR). Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	0