

Aman Bin Mamat

List of Publications by Year in descending order

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28
papers

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citations

840776

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28
all docs

28
docs citations

28
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of dynamic load on the temperature profiles and cooling response time of a proton exchange membrane fuel cell. Journal of the Energy Institute, 2018, 91, 349-357.	5.3	35
2	Design methodology of a low pressure turbine for waste heat recovery via electric turbocompounding. Applied Thermal Engineering, 2016, 107, 1166-1182.	6.0	10
3	Thermal analysis of Al ₂ O ₃ -water ethylene glycol mixture nanofluid for single PEM fuel cell cooling plate: An experimental study. International Journal of Hydrogen Energy, 2016, 41, 5096-5112.	7.1	82
4	Thermophysical Properties of Silicon Dioxide (SiO ₂) in Ethylene Glycol/Water Mixture for Proton Exchange Membrane Fuel Cell Cooling Application. Energy Procedia, 2015, 79, 366-371.	1.8	43
5	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
6	Experimental Investigation of Al ₂ O ₃ - Water Ethylene Glycol Mixture Nanofluid Thermal Behaviour in a Single Cooling Plate for PEM Fuel Cell Application. Energy Procedia, 2015, 79, 252-258.	1.8	28
7	THERMOPHYSICAL PROPERTIES ANALYSIS FOR AMMONIA-WATER MIXTURE OF AN ORGANIC RANKINE CYCLE. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	1
8	AN OVERVIEW OF SPARK IGNITION ENGINE OPERATING ON LOWER-HIGHER MOLECULAR MASS ALCOHOL BLENDED GASOLINE FUELS. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	6
9	EFFECTS OF ETHANOL BLENDS ON GASOLINE ENGINE PERFORMANCE AND EXHAUST EMISSIONS. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	5
10	DETERMINATION OF DELAMINATION SIZE IN HONEYCOMB SANDWICH PANEL USING FINITE ELEMENT METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	0
11	SINGLE PASSAGE CFD ANALYSIS FOR NON-RADIAL FIBRE ELEMENT OF LOW PRESSURE TURBINE. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	0
12	FLIGHT PERFORMANCE OF VARIOUS BLENDED WING-BODY SMALL UAV DESIGNS. Jurnal Teknologi (Sciences) Tj ETQ000 rgBT /Overlo	0.4	6
13	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. Energy Procedia, 2015, 79, 259-264.	1.8	22
14	Heavy-duty engine electric turbocompounding. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 457-472.	1.9	25
15	Exhaust Gas Energy Recovery Via Electric Turbocompounding. Energy Procedia, 2015, 75, 1555-1559.	1.8	6
16	Waste heat recovery using a novel high performance low pressure turbine for electric turbocompounding in downsized gasoline engines: Experimental and computational analysis. Energy, 2015, 90, 218-234.	8.8	37
17	A REVIEW OF NANOFUID ADOPTION IN POLYMER ELECTROLYTE MEMBRANE (PEM) FUEL CELLS AS AN ALTERNATIVE COOLANT. Journal of Mechanical Engineering and Sciences, 2015, 8, 1351-1366.	0.6	33
18	NUMERICAL HEAT TRANSFER ANALYSIS OF WASTE HEAT EXCHANGER FOR EXHAUST GAS ENERGY RECOVERY. Journal of Mechanical Engineering and Sciences, 2015, 8, 1498-1506.	0.6	9

#	ARTICLE	IF	CITATIONS
19	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
20	CHARACTERIZATION OF PERODUA MYVI K3-VE I4 ENGINE PERFORMANCE USING EXHAUST GAS RECIRCULATION (EGR). Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	0
21	Thermal and electrical experimental characterization of Ethylene Glycol and water mixture nanofluids for a 400w Proton Exchange Membrane Fuel Cell. , 2014, , .		1
22	Characterisation of a low pressure turbine for turbocompounding applications in a heavily downsized mild-hybrid gasoline engine. Energy, 2014, 64, 3-16.	8.8	45
23	Effects of Air Intake Pressure on the Engine Performance, Fuel Economy and Exhaust Emissions of A Small Gasoline Engine. Journal of Mechanical Engineering and Sciences, 2014, 6, 949-958.	0.6	25
24	Effects of Air Intake Pressure to the Fuel Economy and Exhaust Emissions on a Small SI Engine. Procedia Engineering, 2013, 68, 278-284.	1.2	22
25	A High Performance Low Pressure Ratio Turbine for Engine Electric Turbocompounding. , 2011, , .		6
26	Mean Line Flow Model of Steady and Pulsating Flow of a Mixed-Flow Turbine Turbocharger. , 2010, , .		5
27	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
28	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