

Talal F Yusaf

List of Publications by Year in descending order

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182
papers

7,769
citations

50566

48
h-index

71088

80
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all docs

187
docs citations

187
times ranked

7394
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental analysis on the performance, combustion/emission characteristics of a DI diesel engine using hydrogen in dual fuel mode. <i>International Journal of Hydrogen Energy</i> , 2024, 52, 843-860.	3.8	43
2	Effects of biofuel on engines performance and emission characteristics: A review. <i>Energy</i> , 2022, 238, 121910.	4.5	46
3	Hydrogen Energy Demand Growth Prediction and Assessment (2021–2050) Using a System Thinking and System Dynamics Approach. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 781.	1.3	52
4	Sustainable Aviation—Hydrogen Is the Future. <i>Sustainability</i> , 2022, 14, 548.	1.6	46
5	Applying Solar Energy in the Combination of Solar Dryer with Olive Harvesting Machine to Reduce Energy Losses. <i>Sustainability</i> , 2022, 14, 1091.	1.6	2
6	A Comprehensive Review on Efficiency Enhancement of Solar Collectors Using Hybrid Nanofluids. <i>Energies</i> , 2022, 15, 1391.	1.6	15
7	Experimental Study on the Efficiency Improvement of Flat Plate Solar Collectors Using Hybrid Nanofluids Graphene/Waste Cotton. <i>Energies</i> , 2022, 15, 2309.	1.6	13
8	Design and Optimization of a Small-Scale Horizontal Axis Wind Turbine Blade for Energy Harvesting at Low Wind Profile Areas. <i>Energies</i> , 2022, 15, 3033.	1.6	8
9	System dynamics modelling to assess the impact of renewable energy systems and energy efficiency on the performance of the energy sector. <i>Renewable Energy</i> , 2022, 193, 1041-1048.	4.3	13
10	A systems thinking approach to address sustainability challenges to the energy sector. <i>International Journal of Thermofluids</i> , 2022, 15, 100161.	4.0	16
11	Nano-Iron Oxide-Ethylene Glycol-Water Nanofluid Based Photovoltaic Thermal (PV/T) System with Spiral Flow Absorber: An Energy and Exergy Analysis. <i>Energies</i> , 2022, 15, 3870.	1.6	10
12	Experimental investigation of dehumidification and regeneration of zeolite coated energy exchanger. <i>International Journal of Thermofluids</i> , 2022, 15, 100164.	4.0	2
13	Influence of fuel injection pressure and RME on combustion, NO emissions and soot nanoparticles characteristics in common-rail HSDI diesel engine. <i>International Journal of Thermofluids</i> , 2022, 15, 100173.	4.0	17
14	Mixtures of n-butanol and iso-butanol blended with diesel: experimental investigation of combustion characteristics, engine performance and emission levels in a compression ignition engine. <i>Biofuels</i> , 2021, 12, 439-448.	1.4	4
15	Time–Frequency Analysis of Diesel Engine Noise Using Biodiesel Fuel Blends. <i>Sustainability</i> , 2021, 13, 3489.	1.6	10
16	A Review of Hydrogen as a Fuel in Internal Combustion Engines. <i>Energies</i> , 2021, 14, 6209.	1.6	68
17	Thermal efficiency analysis of a nanofluid-based micro combined heat and power system using CNG and biogas. <i>Energy</i> , 2021, 231, 120870.	4.5	7
18	Performance and exhaust emissions rate of small-scale turbojet engine running on dual biodiesel blends using Gasturb. <i>Energy</i> , 2021, 232, 120971.	4.5	16

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19	Landscape framework for the exploitation of renewable energy resources and potentials in urban scale (case study: Iran). <i>Renewable Energy</i> , 2021, 163, 300-319.	4.3	20
20	Fault Classification System for Switchgear CBM from an Ultrasound Analysis Technique Using Extreme Learning Machine. <i>Energies</i> , 2021, 14, 6279.	1.6	6
21	The Effect of Oxygenated Turpentine Oil Additive in Diesel Fuel on the Performance and Emission Characteristics in One-Cylinder DI Engines. <i>Designs</i> , 2021, 5, 73.	1.3	2
22	Legitimacy of the Local Thermal Equilibrium Hypothesis in Porous Media: A Comprehensive Review. <i>Energies</i> , 2021, 14, 8114.	1.6	9
23	Performance and emission characteristics of a CI engine using graphene oxide (GO) nano-particles additives in biodiesel-diesel blends. <i>Renewable Energy</i> , 2020, 145, 458-465.	4.3	107
24	Biodiesels from three feedstock: The effect of graphene oxide (GO) nanoparticles diesel engine parameters fuelled with biodiesel. <i>Renewable Energy</i> , 2020, 145, 190-201.	4.3	62
25	Effects of heat transfer based water for three square multilayer absorber solar collector. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 788, 012078.	0.3	4
26	Study of PTC System with Rectangular Cavity Receiver with Different Receiver Tube Shapes Using Oil, Water and Air. <i>Energies</i> , 2020, 13, 2114.	1.6	2
27	Potential of Chrozophora tinctoria Seed Oil as a Biodiesel Resource. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3473.	1.3	3
28	Optimization of combustion in micro combined heat and power (mCHP) system with the biomass-Stirling engine using SiO ₂ and Al ₂ O ₃ nanofluids. <i>Applied Thermal Engineering</i> , 2020, 169, 114936.	3.0	9
29	Energy Sector Development: System Dynamics Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 134.	1.3	21
30	Characterization of biodiesel production (ultrasonic-assisted) from evening-primroses (<i>Oenothera</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50-60.	4.3	42
31	Optimization of an Ultrasonic-Assisted Biodiesel Production Process from One Genotype of Rapeseed (TERI (OE) R-983) as a Novel Feedstock Using Response Surface Methodology. <i>Energies</i> , 2019, 12, 2656.	1.6	13
32	The Impacts of Water Pricing and Non-Pricing Policies on Sustainable Water Resources Management: A Case of Ghorveh Plain at Kurdistan Province, Iran. <i>Energies</i> , 2019, 12, 2667.	1.6	10
33	The Influence of Emulsified Water Fuel Containing Fresh Water Microalgae on Diesel Engine Performance, Combustion, Vibration and Emission. <i>Energies</i> , 2019, 12, 2546.	1.6	10
34	Performance Investigation of Solar ORC Using Different Nanofluids. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3048.	1.3	3
35	Performance Assessment of a Solar Dryer System Using Small Parabolic Dish and Alumina/Oil Nanofluid: Simulation and Experimental Study. <i>Energies</i> , 2019, 12, 4747.	1.6	19
36	Butanolâ€“acetone mixture blended with cottonseed biodiesel: Spray characteristics evolution, combustion characteristics, engine performance and emission. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4729-4739.	2.4	35

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37	Ailanthus altissima (tree of heaven) seed oil: Characterisation and optimisation of ultrasonication-assisted biodiesel production. <i>Fuel</i> , 2018, 220, 621-630.	3.4	61
38	Novel environmentally friendly fuel: The effects of nanographene oxide additives on the performance and emission characteristics of diesel engines fuelled with Ailanthus altissima biodiesel. <i>Renewable Energy</i> , 2018, 125, 283-294.	4.3	146
39	An overview of marine macroalgae as bioresource. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 165-179.	8.2	184
40	Impact of butanol-acetone mixture as a fuel additive on diesel engine performance and emissions. <i>Fuel</i> , 2018, 227, 118-126.	3.4	35
41	The effect of inlet temperature and spark timing on thermo-mechanical, chemical and the total exergy of an SI engine using bioethanol-gasoline blends. <i>Energy Conversion and Management</i> , 2018, 165, 344-353.	4.4	25
42	Alcohol and ether as alternative fuels in spark ignition engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2586-2605.	8.2	215
43	Production and application of ABE as a biofuel. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1195-1214.	8.2	71
44	Intensification of Continuous Biodiesel Production from Waste Cooking Oils Using Shockwave Power Reactor: Process Evaluation and Optimization through Response Surface Methodology (RSM). <i>Energies</i> , 2018, 11, 2845.	1.6	18
45	Artificial Neural Network Modeling and Sensitivity Analysis of Performance and Emissions in a Compression Ignition Engine Using Biodiesel Fuel. <i>Energies</i> , 2018, 11, 2410.	1.6	32
46	Evaluation on physicochemical properties of iso-butanol additives in ethanol-gasoline blend on performance and emission characteristics of a spark-ignition engine. <i>Applied Thermal Engineering</i> , 2018, 144, 960-971.	3.0	53
47	Experimental and numerical analysis of flow and heat transfer characteristics of EGR cooler in diesel engine. <i>Applied Thermal Engineering</i> , 2018, 140, 745-758.	3.0	12
48	Economic and Environmental Impact of Energy Saving in Healthcare Buildings. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 440.	1.3	51
49	An Experimental Technology of Drying and Clean Combustion of Biomass Residues. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 905.	1.3	12
50	The Effects of Camelina "Soheil" as a Novel Biodiesel Fuel on the Performance and Emission Characteristics of Diesel Engine. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1010.	1.3	9
51	Analysis of Particulate Matter (PM) Emissions in Diesel Engines Using Palm Oil Biodiesel Blended with Diesel Fuel. <i>Energies</i> , 2018, 11, 1039.	1.6	29
52	The Impact of Injector Hole Diameter on Spray Behaviour for Butanol-Diesel Blends. <i>Energies</i> , 2018, 11, 1298.	1.6	29
53	Performance and emission characteristics of a CI engine using nano particles additives in biodiesel-diesel blends and modeling with GP approach. <i>Fuel</i> , 2017, 202, 699-716.	3.4	114
54	Effects of biodiesel fuel obtained from Salvia macrosiphon oil (ultrasonic-assisted) on performance and emissions of diesel engine. <i>Energy</i> , 2017, 131, 289-296.	4.5	27

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55	Study of a Diesel Engine Performance with Exhaust Gas Recirculation (EGR) System Fuelled with Palm Biodiesel. <i>Energy Procedia</i> , 2017, 110, 26-31.	1.8	54
56	Effects of physicochemical properties of biodiesel fuel blends with alcohol on diesel engine performance and exhaust emissions: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 475-493.	8.2	180
57	Response surface methodology (RSM) based multi-objective optimization of fusel oil -gasoline blends at different water content in SI engine. <i>Energy Conversion and Management</i> , 2017, 150, 222-241.	4.4	97
58	The impact of n-butanol and iso-butanol as components of butanol-acetone (BA) mixture-diesel blend on spray, combustion characteristics, engine performance and emission in direct injection diesel engine. <i>Energy</i> , 2017, 140, 1074-1086.	4.5	44
59	Diesel engine performance and exhaust gas emissions using Microalgae <i>Chlorella protothecoides</i> biodiesel. <i>Renewable Energy</i> , 2017, 101, 690-701.	4.3	135
60	Investigation of Ethanol Production Potential from Lignocellulosic Material without Enzymatic Hydrolysis Using the Ultrasound Technique. <i>Energies</i> , 2017, 10, 62.	1.6	27
61	A Critical Review on Processes and Energy Profile of the Australian Meat Processing Industry. <i>Energies</i> , 2017, 10, 731.	1.6	14
62	Treatment of Slaughterhouse Waste Water Mixed with Serum from Lacteal Industry of Extremadura in Spain to Produce Clean Energy. <i>Energies</i> , 2017, 10, 765.	1.6	11
63	Analysis of the Average Annual Consumption of Water in the Hospitals of Extremadura (Spain). <i>Energies</i> , 2017, 10, 479.	1.6	16
64	Dependence of the Microporosity of Activated Carbons on the Lignocellulosic Composition of the Precursors. <i>Energies</i> , 2017, 10, 542.	1.6	20
65	Bioenergy from Cotton Industry Wastes: A review and potential. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 435-448.	8.2	69
66	Tracking ultrasonically structural changes of natural aquatic organic carbon: Chemical fractionation and spectroscopic approaches. <i>Chemosphere</i> , 2016, 145, 231-248.	4.2	2
67	SVM and ANFIS for prediction of performance and exhaust emissions of a SI engine with gasoline-ethanol blended fuels. <i>Applied Thermal Engineering</i> , 2016, 95, 186-203.	3.0	93
68	Synthesis and optimization of <i>Hevea brasiliensis</i> and <i>Ricinus communis</i> as feedstock for biodiesel production: A comparative study. <i>Industrial Crops and Products</i> , 2016, 85, 274-286.	2.5	84
69	Assessing the application and downstream effects of pulsed mode ultrasound as a pre-treatment for alum coagulation. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 7-19.	3.8	7
70	Investigating natural organic carbon removal and structural alteration induced by pulsed ultrasound. <i>Science of the Total Environment</i> , 2016, 541, 1019-1030.	3.9	16
71	Exploring the correlations between common UV measurements and chemical fractionation for natural waters. <i>Desalination and Water Treatment</i> , 2016, 57, 16324-16335.	1.0	14
72	Insights into the scalability of magnetostrictive ultrasound technology for water treatment applications. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 357-366.	3.8	19

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73	Investigating the feasibility and the optimal location of pulsed ultrasound in surface water treatment schemes. <i>Desalination and Water Treatment</i> , 2016, 57, 4769-4787.	1.0	4
74	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.	0.5	6
75	Selection of Cutting Inserts in Dry Machining for Reducing Energy Consumption and CO2 Emissions. <i>Energies</i> , 2015, 8, 13081-13095.	1.6	14
76	A Comparison of Household Carbon Emission Patterns of Urban and Rural China over the 17 Year Period (1995-2011). <i>Energies</i> , 2015, 8, 10537-10557.	1.6	31
77	Glycerin, a Biodiesel By-Product with Potentiality to Produce Hydrogen by Steam Gasification. <i>Energies</i> , 2015, 8, 12765-12775.	1.6	15
78	An Assessment of Direct on-Farm Energy Use for High Value Grain Crops Grown under Different Farming Practices in Australia. <i>Energies</i> , 2015, 8, 13033-13046.	1.6	19
79	Combustion of Microalgae Oil and Ethanol Blended with Diesel Fuel. <i>Energies</i> , 2015, 8, 13985-13995.	1.6	10
80	Optimization of Biodiesel-Diesel Blended Fuel Properties and Engine Performance with Ether Additive Using Statistical Analysis and Response Surface Methods. <i>Energies</i> , 2015, 8, 14136-14150.	1.6	64
81	TOPSIS Multi-Criteria Decision Modeling Approach for Biolubricant Selection for Two-Stroke Petrol Engines. <i>Energies</i> , 2015, 8, 13960-13970.	1.6	22
82	Solar energy in Iran: Current state and outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 931-942.	8.2	170
83	A comparative study on the first and second law analysis and performance characteristics of a spark ignition engine using either natural gas or gasoline. <i>Fuel</i> , 2015, 158, 488-493.	3.4	69
84	Impact of pulsed ultrasound on bacteria reduction of natural waters. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 137-147.	3.8	24
85	Energy Conversion Efficiency of Pulsed Ultrasound. <i>Energy Procedia</i> , 2015, 75, 1560-1568.	1.8	17
86	Numerical and experimental study of microorganism disruption using shock treatment. <i>Journal of Biotechnology</i> , 2015, 208, S15.	1.9	1
87	Optimization of performance and exhaust emission parameters of a SI (spark ignition) engine with gasoline-ethanol blended fuels using response surface methodology. <i>Energy</i> , 2015, 90, 1815-1829.	4.5	91
88	An experimental study on reactivity controlled compression ignition engine fueled with biodiesel/natural gas. <i>Energy</i> , 2015, 89, 558-567.	4.5	117
89	A computational study of operating range extension in a natural gas SI engine with the use of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5966-5975.	3.8	43
90	Evaluating the effect of heat transfer on cell disruption in ultrasound processes. <i>Annals of Microbiology</i> , 2015, 65, 1447-1456.	1.1	11

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91	Effects of Exhaust Gas Recirculation (EGR) on a Diesel Engine fuelled with Palm-biodiesel. Energy Procedia, 2015, 75, 30-36.	1.8	33
92	Design, Fabrication and Evaluation of Gamma-Type Stirling Engine to Produce Electricity from Biomass for the Micro-CHP System. Energy Procedia, 2015, 75, 137-143.	1.8	16
93	Development of Micro-scale Biomass-fuelled CHP System Using Stirling Engine. Energy Procedia, 2015, 75, 1108-1113.	1.8	27
94	The influence of straight vegetable oil fatty acid composition on compression ignition combustion and emissions. Fuel, 2015, 143, 131-143.	3.4	91
95	Energy characterisation of ultrasonic systems for industrial processes. Ultrasonics, 2015, 57, 18-30.	2.1	26
96	Statistical Diagnosis of the Best Weibull Methods for Wind Power Assessment for Agricultural Applications. Energies, 2014, 7, 3056-3085.	1.6	135
97	Biofuels from the Fresh Water Microalgae <i>Chlorella vulgaris</i> (FWM-CV) for Diesel Engines. Energies, 2014, 7, 1829-1851.	1.6	85
98	Nutrient removal of nursery and municipal wastewater using <i>Chlorella vulgaris</i> microalgae for lipid extraction. Desalination and Water Treatment, 2014, 52, 727-736.	1.0	10
99	Wear behaviour and mechanism of different metals sliding against stainless steel counterface. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2014, 228, 692-704.	1.0	11
100	Influence of Chemical Blends on Palm Oil Methyl Esters™ Cold Flow Properties and Fuel Characteristics. Energies, 2014, 7, 4364-4380.	1.6	54
101	Particles motion in a cascading rotary drum dryer. Canadian Journal of Chemical Engineering, 2014, 92, 648-662.	0.9	15
102	A review of hydrogen and natural gas addition in diesel HCCI engines. Renewable and Sustainable Energy Reviews, 2014, 32, 739-761.	8.2	120
103	Alternative methods of microorganism disruption for agricultural applications. Applied Energy, 2014, 114, 909-923.	5.1	105
104	Investigating corrosion effects and heat transfer enhancement in smaller size radiators using CNT-nanofluids. Journal of Materials Science, 2014, 49, 4544-4551.	1.7	30
105	A case study for biogas generation from covered anaerobic ponds treating abattoir wastewater: Investigation of pond performance and potential biogas production. Applied Energy, 2014, 114, 798-808.	5.1	51
106	Engine performance and emissions using <i>Jatropha curcas</i> , <i>Ceiba pentandra</i> and <i>Calophyllum inophyllum</i> biodiesel in a CI diesel engine. Energy, 2014, 69, 427-445.	4.5	252
107	Growing algae using water from coal seam gas industry and harvesting using an innovative technique: A review and a potential. Fuel, 2014, 117, 422-430.	3.4	23
108	Study and modelling drying of banana slices under superheated steam. Asia-Pacific Journal of Chemical Engineering, 2014, 9, 591-603.	0.8	5

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109	Coals seam gas (CSC) in agriculture – A review: Technical and market analysis for Australia. Sustainable Energy Technologies and Assessments, 2014, 8, 149-158.	1.7	0
110	Transesterification of Nannochloropsis oculata microalga's oil to biodiesel using calcium methoxide catalyst. Energy, 2014, 78, 63-71.	4.5	73
111	Characterization of a diesel engine operating with a small proportion of methanol as a fuel additive in biodiesel blend. Applied Energy, 2014, 114, 865-873.	5.1	147
112	Experimental investigation of the tractor engine performance using diesohol fuel. Applied Energy, 2014, 114, 874-879.	5.1	29
113	Wear and Frictional Behaviour of Metals. Advanced Materials Research, 2014, 893, 430-435.	0.3	1
114	EFFECT OF AIR-FUEL RATIO ON TEMPERATURE DISTRIBUTION AND POLLUTANTS FOR BIOGAS MILD COMBUSTION. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1980-1992.	0.5	15
115	AIR FUEL RATIO STUDY FOR MIXTURE OF BIOGAS AND HYDROGEN ON MILD COMBUSTION. International Journal of Automotive and Mechanical Engineering, 2014, 10, 2144-2154.	0.5	12
116	An Experimental Investigation of the Effective Parameters on Wet Washing of Biodiesel Purification. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1525-1537.	0.5	39
117	The Simulation of Biogas Combustion in A Mild Burner. Journal of Mechanical Engineering and Sciences, 2014, 6, 995-1013.	0.3	29
118	An Introduction to a Homogeneous Charge Compression Ignition Engine. Journal of Mechanical Engineering and Sciences, 2014, 7, 1042-1052.	0.3	24
119	MILD Combustion: the Future for Lean and Clean Combustion Technology. International Review of Mechanical Engineering, 2014, 8, 251.	0.1	16
120	AIR FUEL RATIO STUDY FOR MIXTURE OF BIOGAS AND HYDROGEN ON MILD COMBUSTION. International Journal of Automotive and Mechanical Engineering, 2014, 10, 2144-2154.	0.5	4
121	Corrosion effects of CNT-nanofluids on different metals. WIT Transactions on Engineering Sciences, 2014, , .	0.0	1
122	Smaller radiator with enhanced heat transfer using CNT-nanofluids. WIT Transactions on Engineering Sciences, 2014, , .	0.0	0
123	Experimental investigation of thermal balance of a turbocharged SI engine operating on natural gas. Applied Thermal Engineering, 2013, 60, 200-207.	3.0	54
124	Experimental study of microorganism disruption using shear stress. Biochemical Engineering Journal, 2013, 79, 7-14.	1.8	19
125	Production of biodiesel from Sterculia foetida and its process optimization. Fuel, 2013, 111, 478-484.	3.4	61
126	Coal seam gas and associated water: A review paper. Renewable and Sustainable Energy Reviews, 2013, 22, 550-560.	8.2	220

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127	Chlorella protothecoides Microalgae as an Alternative Fuel for Tractor Diesel Engines. <i>Energies</i> , 2013, 6, 766-783.	1.6	56
128	Recycling of Waste Engine Oils Using a New Washing Agent. <i>Energies</i> , 2013, 6, 1023-1049.	1.6	88
129	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.	0.5	17
130	The Effect of Methanol-Diesel Blended Ratio on CI Engine Performance. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1385-1395.	0.5	56
131	Effect of Compressed Natural Gas Mixing on the Engine Performance and Emissions. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1416-1429.	0.5	18
132	Analysis of Recirculation Zone and Ignition Position of Non-Premixed Bluff-Body for Biogas MILD Combustion. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1176-1186.	0.5	19
133	Design and Development of MILD Combustion Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2013, 5, 662-676.	0.3	22
134	Investigation of the Effect of Additives to Natural Gas on Heavy-Duty SI Engine Combustion Characteristics. <i>Journal of Mechanical Engineering and Sciences</i> , 2013, 5, 677-687.	0.3	11
135	Identifying the Optimum Process Parameters for Ultrasonic Cellular Disruption of E. Coli. <i>International Journal of Chemical Reactor Engineering</i> , 2012, 10, .	0.6	7
136	Artificial Neural Networks Approach for the Prediction of Thermal Balance of SI Engine Using Ethanol-Gasoline Blends. <i>Lecture Notes in Computer Science</i> , 2012, , 31-43.	1.0	9
137	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.	0.3	4
138	Evaluating tractor performance and exhaust gas emissions using biodiesel from cotton seed oil. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 36, 012042.	0.3	3
139	Biofouling in RO system: Mechanisms, monitoring and controlling. <i>Desalination</i> , 2012, 302, 1-23.	4.0	182
140	Numerical investigation of flow instability in shock tube due to shock wave-contact surface interactions. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2012, 22, 377-398.	1.6	1
141	Improving the performance of ultrasonic horn reactor for deactivating microorganisms in water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 36, 012037.	0.3	6
142	Investigating the efficiency of thermosonication for controlling biofouling in batch membrane systems. <i>Desalination</i> , 2012, 286, 349-357.	4.0	24
143	A review of MILD combustion and open furnace design consideration. <i>International Journal of Automotive and Mechanical Engineering</i> , 2012, 6, 730-754.	0.5	35
144	Fibre composite railway sleeper design by using FE approach and optimization techniques. <i>Structural Engineering and Mechanics</i> , 2012, 41, 231-242.	1.0	3

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145	Remote access laboratories in Australia and Europe. European Journal of Engineering Education, 2011, 36, 253-268.	1.5	10
146	Algae as a sustainable energy source for biofuel production in Iran: A case study. Renewable and Sustainable Energy Reviews, 2011, 15, 3870-3876.	8.2	111
147	Crude palm oil fuel for diesel-engines: Experimental and ANN simulation approaches. Energy, 2011, 36, 4871-4878.	4.5	94
148	Potential of renewable energy alternatives in Australia. Renewable and Sustainable Energy Reviews, 2011, 15, 2214-2221.	8.2	62
149	Simulation of Instantaneous Heat Transfer in Spark Ignition Internal Combustion Engines: Unsteady Thermal Boundary Layer Modeling. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	8
150	Engine performance and emission analysis of LPG-SI engine with the aid of artificial neural network. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2011, 225, 591-600.	0.8	15
151	CNG-diesel engine performance and exhaust emission analysis with the aid of artificial neural network. Applied Energy, 2010, 87, 1661-1669.	5.1	201
152	Performance and emission investigation of a four-stroke liquefied petroleum gas spark-ignition engine generator used in a Malaysian night market. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2010, 224, 339-347.	0.8	2
153	Adhesive wear and frictional characteristics of UHMWPE and HDPE sliding against different counterfaces under dry contact condition. Tribology - Materials, Surfaces and Interfaces, 2010, 4, 78-85.	0.6	6
154	New Technique Measuring Film Thickness for Tribological Machines. , 2009, , .		0
155	Diesel Engine Optimization for Electric Hybrid Vehicles. Journal of Energy Resources Technology, Transactions of the ASME, 2009, 131, .	1.4	18
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