

# Talal F Yusaf

## List of Publications by Year in descending order

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182  
papers

7,769  
citations

44069

48  
h-index

62596

80  
g-index

187  
all docs

187  
docs citations

187  
times ranked

6591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diesel engine performance and exhaust emission analysis using waste cooking biodiesel fuel with an artificial neural network. <i>Renewable Energy</i> , 2009, 34, 976-982.	8.9	420
2	Performance and exhaust emissions of a gasoline engine with ethanol blended gasoline fuels using artificial neural network. <i>Applied Energy</i> , 2009, 86, 630-639.	10.1	378
3	Engine performance and emissions using <i>Jatropha curcas</i> , <i>Ceiba pentandra</i> and <i>Calophyllum inophyllum</i> biodiesel in a CI diesel engine. <i>Energy</i> , 2014, 69, 427-445.	8.8	252
4	Coal seam gas and associated water: A review paper. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 550-560.	16.4	220
5	Alcohol and ether as alternative fuels in spark ignition engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2586-2605.	16.4	215
6	CNG-diesel engine performance and exhaust emission analysis with the aid of artificial neural network. <i>Applied Energy</i> , 2010, 87, 1661-1669.	10.1	201
7	An overview of marine macroalgae as bioresource. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 165-179.	16.4	184
8	Biofouling in RO system: Mechanisms, monitoring and controlling. <i>Desalination</i> , 2012, 302, 1-23.	8.2	182
9	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.	16.4	180
10	Solar energy in Iran: Current state and outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 931-942.	16.4	170
11	Characterization of a diesel engine operating with a small proportion of methanol as a fuel additive in biodiesel blend. <i>Applied Energy</i> , 2014, 114, 865-873.	10.1	147
12	Novel environmentally friendly fuel: The effects of nanographene oxide additives on the performance and emission characteristics of diesel engines fuelled with <i>Ailanthus altissima</i> biodiesel. <i>Renewable Energy</i> , 2018, 125, 283-294.	8.9	146
13	Statistical Diagnosis of the Best Weibull Methods for Wind Power Assessment for Agricultural Applications. <i>Energies</i> , 2014, 7, 3056-3085.	3.1	135
14	Diesel engine performance and exhaust gas emissions using Microalgae <i>Chlorella protothecoides</i> biodiesel. <i>Renewable Energy</i> , 2017, 101, 690-701.	8.9	135
15	Potential of bioethanol production from agricultural wastes in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 1418-1427.	16.4	128
16	Future of renewable energies in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 689-695.	16.4	120
17	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
18	An experimental study on reactivity controlled compression ignition engine fueled with biodiesel/natural gas. <i>Energy</i> , 2015, 89, 558-567.	8.8	117

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19	Diesterol: An environment-friendly IC engine fuel. <i>Renewable Energy</i> , 2009, 34, 335-342.	8.9	114
20	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.	6.4	114
21	Algae as a sustainable energy source for biofuel production in Iran: A case study. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3870-3876.	16.4	111
22	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.	8.9	107
23	Alternative methods of microorganism disruption for agricultural applications. <i>Applied Energy</i> , 2014, 114, 909-923.	10.1	105
24	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.	9.2	97
25	Crude palm oil fuel for diesel-engines: Experimental and ANN simulation approaches. <i>Energy</i> , 2011, 36, 4871-4878.	8.8	94
26	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.	6.0	93
27	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.	8.8	91
28	The influence of straight vegetable oil fatty acid composition on compression ignition combustion and emissions. <i>Fuel</i> , 2015, 143, 131-143.	6.4	91
29	Recycling of Waste Engine Oils Using a New Washing Agent. <i>Energies</i> , 2013, 6, 1023-1049.	3.1	88
30	Biofuels from the Fresh Water Microalgae <i>Chlorella vulgaris</i> (FWM-CV) for Diesel Engines. <i>Energies</i> , 2014, 7, 1829-1851.	3.1	85
31	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.	5.2	84
32	Transesterification of <i>Nannochloropsis oculata</i> microalga's oil to biodiesel using calcium methoxide catalyst. <i>Energy</i> , 2014, 78, 63-71.	8.8	73
33	Production and application of ABE as a biofuel. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1195-1214.	16.4	71
34	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.	6.4	69
35	Bioenergy from Cotton Industry Wastes: A review and potential. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 435-448.	16.4	69
36	A Review of Hydrogen as a Fuel in Internal Combustion Engines. <i>Energies</i> , 2021, 14, 6209.	3.1	68

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37	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.	3.1	64
38	Potential of renewable energy alternatives in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2214-2221.	16.4	62
39	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.	8.9	62
40	Production of biodiesel from <i>Sterculia foetida</i> and its process optimization. <i>Fuel</i> , 2013, 111, 478-484.	6.4	61
41	<i>Ailanthus altissima</i> (tree of heaven) seed oil: Characterisation and optimisation of ultrasonication-assisted biodiesel production. <i>Fuel</i> , 2018, 220, 621-630.	6.4	61
42	<i>Chlorella protothecoides</i> Microalgae as an Alternative Fuel for Tractor Diesel Engines. <i>Energies</i> , 2013, 6, 766-783.	3.1	56
43	The Effect of Methanol-Diesel Blended Ratio on CI Engine Performance. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1385-1395.	0.9	56
44	Experimental investigation of thermal balance of a turbocharged SI engine operating on natural gas. <i>Applied Thermal Engineering</i> , 2013, 60, 200-207.	6.0	54
45	Influence of Chemical Blends on Palm Oil Methyl Esters™ Cold Flow Properties and Fuel Characteristics. <i>Energies</i> , 2014, 7, 4364-4380.	3.1	54
46	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
47	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.	6.0	53
48	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.	2.5	52
49	A case study for biogas generation from covered anaerobic ponds treating abattoir wastewater: Investigation of pond performance and potential biogas production. <i>Applied Energy</i> , 2014, 114, 798-808.	10.1	51
50	Economic and Environmental Impact of Energy Saving in Healthcare Buildings. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 440.	2.5	51
51	Effects of biofuel on engines performance and emission characteristics: A review. <i>Energy</i> , 2022, 238, 121910.	8.8	46
52	Sustainable Aviation—Hydrogen Is the Future. <i>Sustainability</i> , 2022, 14, 548.	3.2	46
53	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.	8.8	44
54	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.	7.1	43

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55	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.	7.1	43
56	Characterization of biodiesel production (ultrasonic-assisted) from evening-primroses ( <i>Oenothera</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50-60.	8.9	42
57	Combustion Analysis of a CI Engine Performance Using Waste Cooking Biodiesel Fuel with an Artificial Neural Network Aid. <i>American Journal of Applied Sciences</i> , 2007, 4, 759-767.	0.2	40
58	An Experimental Investigation of the Effective Parameters on Wet Washing of Biodiesel Purification. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014, 9, 1525-1537.	0.9	39
59	Impact of butanol-acetone mixture as a fuel additive on diesel engine performance and emissions. <i>Fuel</i> , 2018, 227, 118-126.	6.4	35
60	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.	3.9	35
61	A review of MILD combustion and open furnace design consideration. <i>International Journal of Automotive and Mechanical Engineering</i> , 2012, 6, 730-754.	0.9	35
62	Effects of Exhaust Gas Recirculation (EGR) on a Diesel Engine fuelled with Palm-biodiesel. <i>Energy Procedia</i> , 2015, 75, 30-36.	1.8	33
63	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.	3.1	32
64	A Comparison of Household Carbon Emission Patterns of Urban and Rural China over the 17 Year Period (1995â€“2011). <i>Energies</i> , 2015, 8, 10537-10557.	3.1	31
65	Investigating corrosion effects and heat transfer enhancement in smaller size radiators using CNT-nanofluids. <i>Journal of Materials Science</i> , 2014, 49, 4544-4551.	3.7	30
66	Experimental investigation of the tractor engine performance using diesohol fuel. <i>Applied Energy</i> , 2014, 114, 874-879.	10.1	29
67	Analysis of Particulate Matter (PM) Emissions in Diesel Engines Using Palm Oil Biodiesel Blended with Diesel Fuel. <i>Energies</i> , 2018, 11, 1039.	3.1	29
68	The Impact of Injector Hole Diameter on Spray Behaviour for Butanol-Diesel Blends. <i>Energies</i> , 2018, 11, 1298.	3.1	29
69	The Simulation of Biogas Combustion in A Mild Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 6, 995-1013.	0.6	29
70	Development of Micro-scale Biomass-fuelled CHP System Using Stirling Engine. <i>Energy Procedia</i> , 2015, 75, 1108-1113.	1.8	27
71	Effects of biodiesel fuel obtained from <i>Salvia macrosiphon</i> oil (ultrasonic-assisted) on performance and emissions of diesel engine. <i>Energy</i> , 2017, 131, 289-296.	8.8	27
72	Investigation of Ethanol Production Potential from Lignocellulosic Material without Enzymatic Hydrolysis Using the Ultrasound Technique. <i>Energies</i> , 2017, 10, 62.	3.1	27

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73	Energy characterisation of ultrasonic systems for industrial processes. <i>Ultrasonics</i> , 2015, 57, 18-30.	3.9	26
74	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.	9.2	25
75	Investigating the efficiency of thermosonication for controlling biofouling in batch membrane systems. <i>Desalination</i> , 2012, 286, 349-357.	8.2	24
76	Impact of pulsed ultrasound on bacteria reduction of natural waters. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 137-147.	8.2	24
77	An Introduction to a Homogeneous Charge Compression Ignition Engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 7, 1042-1052.	0.6	24
78	Growing algae using water from coal seam gas industry and harvesting using an innovative technique: A review and a potential. <i>Fuel</i> , 2014, 117, 422-430.	6.4	23
79	TOPSIS Multi-Criteria Decision Modeling Approach for Biolubricant Selection for Two-Stroke Petrol Engines. <i>Energies</i> , 2015, 8, 13960-13970.	3.1	22
80	Design and Development of MILD Combustion Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2013, 5, 662-676.	0.6	22
81	PROCESSING OF COMPOSITES USING VARIABLE AND FIXED FREQUENCY MICROWAVE FACILITIES. <i>Progress in Electromagnetics Research B</i> , 2008, 5, 185-205.	1.0	21
82	Energy Sector Development: System Dynamics Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 134.	2.5	21
83	Dependence of the Microporosity of Activated Carbons on the Lignocellulosic Composition of the Precursors. <i>Energies</i> , 2017, 10, 542.	3.1	20
84	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.	8.9	20
85	Experimental study of microorganism disruption using shear stress. <i>Biochemical Engineering Journal</i> , 2013, 79, 7-14.	3.6	19
86	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.	3.1	19
87	Insights into the scalability of magnetostrictive ultrasound technology for water treatment applications. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 357-366.	8.2	19
88	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.	3.1	19
89	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.	0.9	19
90	Diesel Engine Optimization for Electric Hybrid Vehicles. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2009, 131, .	2.3	18

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91	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.	3.1	18
92	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.	0.9	18
93	Energy Conversion Efficiency of Pulsed Ultrasound. <i>Energy Procedia</i> , 2015, 75, 1560-1568.	1.8	17
94	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
95	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.	7.8	17
96	Design, Fabrication and Evaluation of Gamma-Type Stirling Engine to Produce Electricity from Biomass for the Micro-CHP System. <i>Energy Procedia</i> , 2015, 75, 137-143.	1.8	16
97	Investigating natural organic carbon removal and structural alteration induced by pulsed ultrasound. <i>Science of the Total Environment</i> , 2016, 541, 1019-1030.	8.0	16
98	Analysis of the Average Annual Consumption of Water in the Hospitals of Extremadura (Spain). <i>Energies</i> , 2017, 10, 479.	3.1	16
99	Performance and exhaust emissions rate of small-scale turbojet engine running on dual biodiesel blends using Gasturb. <i>Energy</i> , 2021, 232, 120971.	8.8	16
100	MILD Combustion: the Future for Lean and Clean Combustion Technology. <i>International Review of Mechanical Engineering</i> , 2014, 8, 251.	0.2	16
101	A systems thinking approach to address sustainability challenges to the energy sector. <i>International Journal of Thermofluids</i> , 2022, 15, 100161.	7.8	16
102	Engine performance and emission analysis of LPG-SI engine with the aid of artificial neural network. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2011, 225, 591-600.	1.4	15
103	Particles motion in a cascading rotary drum dryer. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 648-662.	1.7	15
104	Glycerin, a Biodiesel By-Product with Potentiality to Produce Hydrogen by Steam Gasification. <i>Energies</i> , 2015, 8, 12765-12775.	3.1	15
105	EFFECT OF AIR-FUEL RATIO ON TEMPERATURE DISTRIBUTION AND POLLUTANTS FOR BIOGAS MILD COMBUSTION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014, 10, 1980-1992.	0.9	15
106	A Comprehensive Review on Efficiency Enhancement of Solar Collectors Using Hybrid Nanofluids. <i>Energies</i> , 2022, 15, 1391.	3.1	15
107	Characterisation of mixing rate due to high power ultrasound. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 266-274.	8.2	14
108	Selection of Cutting Inserts in Dry Machining for Reducing Energy Consumption and CO2 Emissions. <i>Energies</i> , 2015, 8, 13081-13095.	3.1	14

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109	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
110	A Critical Review on Processes and Energy Profile of the Australian Meat Processing Industry. <i>Energies</i> , 2017, 10, 731.	3.1	14
111	ADHESIVE WEAR AND FRICTIONAL BEHAVIOR OF MULTILAYERED POLYESTER COMPOSITE BASED ON BETELNUT FIBER MATS UNDER WET CONTACT CONDITIONS. <i>Surface Review and Letters</i> , 2009, 16, 407-414.	1.1	13
112	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.	3.1	13
113	Experimental Study on the Efficiency Improvement of Flat Plate Solar Collectors Using Hybrid Nanofluids Graphene/Waste Cotton. <i>Energies</i> , 2022, 15, 2309.	3.1	13
114	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.	8.9	13
115	Theoretical and experimental investigation of SI engine performance and exhaust emissions using ethanol-gasoline blended fuels. , 2009, , .		12
116	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.	6.0	12
117	An Experimental Technology of Drying and Clean Combustion of Biomass Residues. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 905.	2.5	12
118	AIR FUEL RATIO STUDY FOR MIXTURE OF BIOGAS AND HYDROGEN ON MILD COMBUSTION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014, 10, 2144-2154.	0.9	12
119	Wear behaviour and mechanism of different metals sliding against stainless steel counterface. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 692-704.	1.8	11
120	Evaluating the effect of heat transfer on cell disruption in ultrasound processes. <i>Annals of Microbiology</i> , 2015, 65, 1447-1456.	2.6	11
121	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.	3.1	11
122	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.	0.6	11
123	Remote access laboratories in Australia and Europe. <i>European Journal of Engineering Education</i> , 2011, 36, 253-268.	2.3	10
124	Nutrient removal of nursery and municipal wastewater using <i>Chlorella vulgaris</i> microalgae for lipid extraction. <i>Desalination and Water Treatment</i> , 2014, 52, 727-736.	1.0	10
125	Combustion of Microalgae Oil and Ethanol Blended with Diesel Fuel. <i>Energies</i> , 2015, 8, 13985-13995.	3.1	10
126	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.	3.1	10



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127	The Influence of Emulsified Water Fuel Containing Fresh Water Microalgae on Diesel Engine Performance, Combustion, Vibration and Emission. <i>Energies</i> , 2019, 12, 2546.	3.1	10
128	Time-Frequency Analysis of Diesel Engine Noise Using Biodiesel Fuel Blends. <i>Sustainability</i> , 2021, 13, 3489.	3.2	10
129	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.	3.1	10
130	Experimental investigation of a single cylinder diesel engine as a hybrid power unit for a series hybrid electric vehicle. , 0, , .		9
131	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.	1.3	9
132	The Effects of Camelina ÆœSoheilÆœ as a Novel Biodiesel Fuel on the Performance and Emission Characteristics of Diesel Engine. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1010.	2.5	9
133	Optimization of combustion in micro combined heat and power (mCHP) system with the biomass-Stirling engine using SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> nanofluids. <i>Applied Thermal Engineering</i> , 2020, 169, 114936.	6.0	9
134	Legitimacy of the Local Thermal Equilibrium Hypothesis in Porous Media: A Comprehensive Review. <i>Energies</i> , 2021, 14, 8114.	3.1	9
135	Simulation of Instantaneous Heat Transfer in Spark Ignition Internal Combustion Engines: Unsteady Thermal Boundary Layer Modeling. <i>Journal of Engineering for Gas Turbines and Power</i> , 2011, 133, .	1.1	8
136	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.	3.1	8
137	Identifying the Optimum Process Parameters for Ultrasonic Cellular Disruption of E. Coli. <i>International Journal of Chemical Reactor Engineering</i> , 2012, 10, .	1.1	7
138	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.	8.2	7
139	Thermal efficiency analysis of a nanofluid-based micro combined heat and power system using CNG and biogas. <i>Energy</i> , 2021, 231, 120870.	8.8	7
140	Adhesive wear and frictional characteristics of UHMWPE and HDPE sliding against different counterfaces under dry contact condition. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2010, 4, 78-85.	1.4	6
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.	0.6	6
142	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
143	Fault Classification System for Switchgear CBM from an Ultrasound Analysis Technique Using Extreme Learning Machine. <i>Energies</i> , 2021, 14, 6279.	3.1	6
144	Study and modelling drying of banana slices under superheated steam. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2014, 9, 591-603.	1.5	5

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145	Modelling of Non-Premixed Turbulent Combustion of Hydrogen using Conditional Moment Closure Method. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012036.	0.6	4
146	Investigating the feasibility and the optimal location of pulsed ultrasound in surface water treatment schemes. Desalination and Water Treatment, 2016, 57, 4769-4787.	1.0	4
147	Effects of heat transfer based water for three square multilayer absorber solar collector. IOP Conference Series: Materials Science and Engineering, 2020, 788, 012078.	0.6	4
148	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. Biofuels, 2021, 12, 439-448.	2.4	4
149	AIR FUEL RATIO STUDY FOR MIXTURE OF BIOGAS AND HYDROGEN ON MILD COMBUSTION. International Journal of Automotive and Mechanical Engineering, 2014, 10, 2144-2154.	0.9	4
150	Heat Transfer by Mixed Convection Opposing Laminar Flow From the Inside Surface of Uniformly Heated Inclined Circular Tube. , 2006, , 165.		3
151	Evaluating tractor performance and exhaust gas emissions using biodiesel from cotton seed oil. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012042.	0.6	3
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