

# Anh-Tuan Hoang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130  
papers

2,543  
citations

28  
h-index

41  
g-index

141  
ext. papers

4,820  
ext. citations

5  
avg. IF

6.95  
L-index

#	Paper	IF	Citations
130	Waste heat recovery from diesel engines based on Organic Rankine Cycle. <i>Applied Energy</i> , <b>2018</b> , 231, 138-166	10.7	157
129	Rice bran oil-based biodiesel as a promising renewable fuel alternative to petrodiesel: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110204	16.2	94
128	Impacts of COVID-19 pandemic on the global energy system and the shift progress to renewable energy: Opportunities, challenges, and policy implications. <i>Energy Policy</i> , <b>2021</b> , 154, 112322	7.2	85
127	A core correlation of spray characteristics, deposit formation, and combustion of a high-speed diesel engine fueled with Jatropha oil and diesel fuel. <i>Fuel</i> , <b>2019</b> , 244, 159-175	7.1	71
126	Progress on the lignocellulosic biomass pyrolysis for biofuel production toward environmental sustainability. <i>Fuel Processing Technology</i> , <b>2021</b> , 223, 106997	7.2	62
125	Integrating renewable sources into energy system for smart city as a sagacious strategy towards clean and sustainable process. <i>Journal of Cleaner Production</i> , <b>2021</b> , 305, 127161	10.3	61
124	A study of emission characteristic, deposits, and lubrication oil degradation of a diesel engine running on preheated vegetable oil and diesel oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2019</b> , 41, 611-625	1.6	60
123	Combustion behavior, performance and emission characteristics of diesel engine fuelled with biodiesel containing cerium oxide nanoparticles: A review. <i>Fuel Processing Technology</i> , <b>2021</b> , 218, 106840	7.2	59
122	Experimental study on spray and emission characteristics of a diesel engine fueled with preheated bio-oils and diesel fuel. <i>Energy</i> , <b>2019</b> , 171, 795-808	7.9	58
121	A review on deposit formation in the injector of diesel engines running on biodiesel. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2019</b> , 41, 584-599	1.6	49
120	Prediction of the density and viscosity of biodiesel and the influence of biodiesel properties on a diesel engine fuel supply system. <i>Journal of Marine Engineering and Technology</i> , <b>2018</b> , 1-13	1.3	46
119	Numerical and experimental evaluation on the pooled effect of waste cooking oil biodiesel/diesel blends and exhaust gas recirculation in a twin-cylinder diesel engine. <i>Fuel</i> , <b>2021</b> , 287, 119815	7.1	44
118	Insight into the recent advances of microwave pretreatment technologies for the conversion of lignocellulosic biomass into sustainable biofuel. <i>Chemosphere</i> , <b>2021</b> , 281, 130878	8.4	43
117	Impact of Jatropha Oil on Engine Performance, Emission Characteristics, Deposit Formation, and Lubricating Oil Degradation. <i>Combustion Science and Technology</i> , <b>2019</b> , 191, 504-519	1.5	42
116	Effects of injection pressure on the NO <sub>x</sub> and PM emission control of diesel engine: A review under the aspect of PCCI combustion condition. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-18	1.6	39
115	Trilateral correlation of spray characteristics, combustion parameters, and deposit formation in the injector hole of a diesel engine running on preheated Jatropha oil and fossil diesel fuel. <i>Biofuel Research Journal</i> , <b>2019</b> , 6, 909-919	13.9	38
114	2-Methylfuran (MF) as a potential biofuel: A thorough review on the production pathway from biomass, combustion progress, and application in engines. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 148, 111265	16.2	38

113	A review on application of artificial neural network (ANN) for performance and emission characteristics of diesel engine fueled with biodiesel-based fuels. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101416	4.7	37
112	Acid-based lignocellulosic biomass biorefinery for bioenergy production: Advantages, application constraints, and perspectives. <i>Journal of Environmental Management</i> , <b>2021</b> , 296, 113194	7.9	34
111	A novel investigation of oil and heavy metal adsorption capacity from as-fabricated adsorbent based on agricultural by-product and porous polymer. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2018</b> , 40, 929-939	1.6	30
110	Comparative Analysis on Performance and Emission Characteristic of Diesel Engine Fueled with Heated Coconut Oil and Diesel Fuel. <i>International Journal of Automotive and Mechanical Engineering</i> , <b>2018</b> , 15, 5110-5125	1.4	30
109	Biomass-derived 2,5-dimethylfuran as a promising alternative fuel: An application review on the compression and spark ignition engine. <i>Fuel Processing Technology</i> , <b>2021</b> , 214, 106687	7.2	30
108	Comparative analysis on performance and emission characteristics of an in-Vietnam popular 4-stroke motorcycle engine running on biogasoline and mineral gasoline. <i>Renewable Energy Focus</i> , <b>2019</b> , 28, 47-55	5.4	30
107	A review of the effect of biodiesel on the corrosion behavior of metals/alloys in diesel engines. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 42, 2923-2943	1.6	30
106	Smart control strategy for effective hydrocarbon and carbon monoxide emission reduction on a conventional diesel engine using the pooled impact of pre-and post-combustion techniques. <i>Journal of Cleaner Production</i> , <b>2021</b> , 306, 127310	10.3	30
105	Role of hydrogen in improving performance and emission characteristics of homogeneous charge compression ignition engine fueled with graphite oxide nanoparticle-added microalgae biodiesel/diesel blends. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	29
104	Heavy metal removal by biomass-derived carbon nanotubes as a greener environmental remediation: A comprehensive review. <i>Chemosphere</i> , <b>2022</b> , 287, 131959	8.4	29
103	Hydrogen-Enriched Biogas Premixed Charge Combustion and Emissions in Direct Injection and Indirect Injection Diesel Dual Fueled Engines: A Comparative Study. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2021</b> , 143,	2.6	28
102	Implementation of phase change materials for thermal regulation of photovoltaic thermal systems: Comprehensive analysis of design approaches. <i>Energy</i> , <b>2021</b> , 228, 120546	7.9	28
101	Effects of advanced injection timing and inducted gaseous fuel on performance, combustion and emission characteristics of a diesel engine operated in dual-fuel mode. <i>Fuel</i> , <b>2022</b> , 310, 122232	7.1	26
100	Prospective review on the application of biofuel 2,5-dimethylfuran to diesel engine. <i>Journal of the Energy Institute</i> , <b>2021</b> , 94, 360-386	5.7	26
99	An absorption capacity investigation of new absorbent based on polyurethane foams and rice straw for oil spill cleanup. <i>Petroleum Science and Technology</i> , <b>2018</b> , 36, 361-370	1.4	25
98	Liquid hot water as sustainable biomass pretreatment technique for bioenergy production: A review. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126207	11	25
97	Critical review on the characteristics of performance, combustion and emissions of PCCI engine controlled by early injection strategy based on narrow-angle direct injection (NADI). <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-15	1.6	25
96	The Performance of A Diesel Engine Fueled With Diesel Oil, Biodiesel and Preheated Coconut Oil. <i>International Journal of Renewable Energy Development</i> , <b>2017</b> , 6, 1-7	1.5	24

95	Soft computing-based modeling and emission control/reduction of a diesel engine fueled with carbon nanoparticle-dosed water/diesel ?emulsion fuel. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 407, 124369	12.8	24
94	An experimental analysis on physical properties and spray characteristics of an ultrasound-assisted emulsion of ultra-low-sulphur diesel and Jatropa-based biodiesel. <i>Journal of Marine Engineering and Technology</i> , <b>2019</b> , 1-9	1.3	23
93	Synthesis pathway and combustion mechanism of a sustainable biofuel 2,5-Dimethylfuran: Progress and prospective. <i>Fuel</i> , <b>2021</b> , 286, 119337	7.1	23
92	Influence of fish oil and waste cooking oil as post mixed binary biodiesel blends on performance improvement and emission reduction in diesel engine. <i>Fuel</i> , <b>2021</b> , 289, 119948	7.1	23
91	An investigation of deposit formation in the injector, spray characteristics, and performance of a diesel engine fueled with preheated vegetable oil and diesel fuel. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2019</b> , 41, 2882-2894	1.6	22
90	Advanced super-hydrophobic polymer-based porous absorbents for the treatment of oil-polluted water. <i>Chemosphere</i> , <b>2021</b> , 277, 130274	8.4	22
89	A technical review on composite phase change material based secondary assisted battery thermal management system for electric vehicles. <i>Journal of Cleaner Production</i> , <b>2021</b> , 322, 129079	10.3	21
88	2,5-Dimethylfuran (DMF) as a promising biofuel for the spark ignition engine application: A comparative analysis and review. <i>Fuel</i> , <b>2021</b> , 285, 119140	7.1	20
87	Thermal constant analysis of phase change nanocomposites and discussion on selection strategies with respect to economic constraints. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 43, 100957	4.7	19
86	Scrap tire pyrolysis as a potential strategy for waste management pathway: a review. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-18	1.6	18
85	Performance and combustion characteristics of a retrofitted CNG engine under various piston-top shapes and compression ratios. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-17	1.6	18
84	Power generation characteristics of a thermoelectric modules-based power generator assisted by fishbone-shaped fins: Part II [Effects of cooling water parameters. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2021</b> , 43, 381-393	1.6	18
83	A Review on the Performance, Combustion, and Emission Characteristics of Spark-Ignition Engine Fueled With 2,5-Dimethylfuran Compared to Ethanol and Gasoline. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2021</b> , 143,	2.6	17
82	Measurement and Prediction of the Density and Viscosity of Biodiesel Blends <b>2018</b> , 9, 1015		17
81	Characteristics of hydrogen production from steam gasification of plant-originated lignocellulosic biomass and its prospects in Vietnam. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	17
80	Influence of injection timing on performance and combustion characteristics of compression ignition engine working on quaternary blends of diesel fuel, mixed biodiesel, and t-butyl peroxide. <i>Journal of Cleaner Production</i> , <b>2022</b> , 333, 130160	10.3	16
79	Grasshopper optimization algorithm for diesel engine fuelled with ethanol-biodiesel-diesel blends. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 31, 101817	5.6	16
78	Flame Characteristics and Ignition Delay Times of 2,5-Dimethylfuran: A Systematic Review With Comparative Analysis. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2021</b> , 143,	2.6	16

77	Influences of heating temperatures on physical properties, spray characteristics of bio-oils and fuel supply system of a conventional diesel engine. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2018</b> , 8, 2231	1.6	16
76	Experimental assessment on performance and combustion behaviors of reactivity-controlled compression ignition engine operated by n-pentanol and cottonseed biodiesel. <i>Journal of Cleaner Production</i> , <b>2022</b> , 330, 129781	10.3	16
75	The electric propulsion system as a green solution for management strategy of CO 2 emission in ocean shipping: A comprehensive review <b>2021</b> , 31,		16
74	Design and applications of photobioreactors- A review.. <i>Bioresource Technology</i> , <b>2022</b> , 126858	11	16
73	Review of artificial neural networks for gasoline, diesel and homogeneous charge compression ignition engine. <i>AEJ - Alexandria Engineering Journal</i> , <b>2022</b> ,	6.1	15
72	A REVIEW ON FUELS USED FOR MARINE DIESEL ENGINES. <i>Journal of Mechanical Engineering Research and Developments (discontinued)</i> , <b>2018</b> , 41, 22-32	1.6	15
71	The efficient lignocellulose-based sorbent for oil spill treatment from polyurethane and agricultural residue of Vietnam. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2018</b> , 40, 312-319	1.6	14
70	Properties of DMF-fossil gasoline RON95 blends in the consideration as the alternative fuel. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2018</b> , 8, 2555	1.6	14
69	A study on a solution to reduce emissions by using hydrogen as an alternative fuel for a diesel engine integrated exhaust gas recirculation <b>2020</b> ,		14
68	A remarkable review of the effect of lockdowns during COVID-19 pandemic on global PM emissions. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-16	1.6	14
67	Combustion and emission characteristics of spark and compression ignition engine fueled with 2,5-dimethylfuran (DMF): A comprehensive review. <i>Fuel</i> , <b>2021</b> , 288, 119757	7.1	14
66	Synthesis of activated carbon monolith derived from cocoa pods for supercapacitor electrodes application. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-15	1.6	13
65	COVID-19 and the Global Shift Progress to Clean Energy. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2021</b> , 143,	2.6	13
64	Mission, challenges, and prospects of renewable energy development in Vietnam. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-13	1.6	13
63	Microbial fuel cells for bioelectricity production from waste as sustainable prospect of future energy sector. <i>Chemosphere</i> , <b>2022</b> , 287, 132285	8.4	13
62	An Experimental Study on the Performance Characteristics of a Diesel Engine Fueled with ULSD-Biodiesel Blends. <i>International Journal of Renewable Energy Development</i> , <b>2021</b> , 10, 183-190	1.5	11
61	A simulation study on a port-injection SI engine fueled with hydroxy-enriched biogas. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-17	1.6	11
60	A state-of-the-art review on emission characteristics of SI and CI engines fueled with 2,5-dimethylfuran biofuel. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 4918-4950	5.1	11

59	Efficiency improvement of a vertical-axis wind turbine using a deflector optimized by Taguchi approach with modified additive method. <i>Energy Conversion and Management</i> , <b>2021</b> , 245, 114609	10.6	11
58	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> , <b>2019</b> , 469, 012035	0.4	10
57	Applicability of fuel injection techniques for modern diesel engines <b>2020</b> ,		10
56	The Flywheel Energy Storage System: An Effective Solution to Accumulate Renewable Energy <b>2020</b> ,		10
55	Sorbent-based devices for the removal of spilled oil from water: a review. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 28876-28910	5.1	10
54	Application of the Internet of Things in 3E (efficiency, economy, and environment) factor-based energy management as smart and sustainable strategy. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-23	1.6	10
53	An analysis and review on the global NO <sub>2</sub> emission during lockdowns in COVID-19 period. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-21	1.6	9
52	Power generation characteristics of a thermoelectric modules-based power generator assisted by fishbone-shaped fins: Part I Effects of hot inlet gas parameters. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2021</b> , 43, 588-599	1.6	9
51	An investigation of remediation and recovery of oil spill and toxic heavy metal from maritime pollution by a new absorbent material. <i>Journal of Marine Engineering and Technology</i> , <b>2018</b> , 1-11	1.3	9
50	The Performance of Diesel Engine Fueled Diesel Oil in Comparison with Heated Pure Vegetable Oils Available in Vietnam. <i>Journal of Sustainable Development</i> , <b>2017</b> , 10, 93	1.3	8
49	Performance evaluation and improvement of thermoelectric generators (TEG): Fin installation and compromise optimization. <i>Energy Conversion and Management</i> , <b>2021</b> , 250, 114858	10.6	8
48	Catalyst-Based Synthesis of 2,5-Dimethylfuran from Carbohydrates as a Sustainable Biofuel Production Route. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 3079-3115	8.3	8
47	Biomass-derived biochar: From production to application in removing heavy metal-contaminated water. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 160, 704-733	5.5	8
46	Energy-related clean and green framework for shipbuilding community towards zero-emissions: A strategic analysis from concept to case study. <i>International Journal of Energy Research</i> ,	4.5	7
45	A Numerical Simulation Determining Optimal Ignition Timing Advance of SI Engines Using 2,5-Dimethylfuran-Gasoline Blends. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2020</b> , 10, 1933	1.6	7
44	Technological Perspective for Reducing Emissions from Marine Engines. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2019</b> , 9, 1989	1.6	7
43	A review on ignition delay times of 2,5-Dimethylfuran. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-16	1.6	7
42	Characteristics of PM and soot emissions of internal combustion engines running on biomass-derived DMF biofuel: a review. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-22	1.6	7



41	Thermodynamic Simulation on the Change in Phase for Carburizing Process. <i>Computers, Materials and Continua</i> , <b>2021</b> , 68, 1129-1145	3.9	7
40	Energy storage onboard zero-emission two-wheelers: Challenges and technical solutions. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101435	4.7	7
39	Effect of Poly-Alkylene-Glycol Quenchant on the Distortion, Hardness, and Microstructure of 65Mn Steel. <i>Computers, Materials and Continua</i> , <b>2021</b> , 67, 3249-3264	3.9	7
38	Biofuel production from microalgae: challenges and chances. <i>Phytochemistry Reviews</i> ,1	7.7	7
37	Influence of Various Basin Types on Performance of Passive Solar Still: A Review. <i>International Journal of Renewable Energy Development</i> , <b>2021</b> , 10, 789-802	1.5	6
36	Oil spill cleanup by raw cellulose-based absorbents: a green and sustainable approach. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-14	1.6	6
35	Response surface optimization of microalgae microbial fuel cell (MMFC) enhanced by yeast immobilization for bioelectricity production. <i>Chemosphere</i> , <b>2022</b> , 287, 132275	8.4	6
34	Energy-related approach for reduction of CO2 emissions: A strategic review on the port-to-ship pathway. <i>Journal of Cleaner Production</i> , <b>2022</b> , 131772	10.3	6
33	Experimental assessment on characteristics of premixed charge compression ignition engine fueled with multi-walled carbon nanotube-included Tamanu methyl ester. <i>Fuel</i> , <b>2022</b> , 323, 124415	7.1	6
32	A MINI REVIEW OF USING OLEOPHILIC SKIMMERS FOR OIL SPILL RECOVERY. <i>Journal of Mechanical Engineering Research and Developments (discontinued)</i> , <b>2018</b> , 41, 92-96	1.6	5
31	Evaluation of oxidation stability and engine behaviors operated by Prosopis juliflora biodiesel/diesel fuel blends with presence of synthetic antioxidant. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 52, 102086	4.7	5
30	Using response surface methodology approach for optimizing performance and emission parameters of diesel engine powered with ternary blend of Solketal-biodiesel-diesel. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 52, 102343	4.7	5
29	MICROSTRUCTURE CHANGE FOR MULTI-PASS WELDING BETWEEN AUSTENITIC STAINLESS STEEL AND CARBON STEEL. <i>Journal of Mechanical Engineering Research and Developments (discontinued)</i> , <b>2018</b> , 41, 97-102	1.6	4
28	Experimental investigation of novel hybrid phase change materials. <i>Clean Technologies and Environmental Policy</i> ,1	4.3	4
27	Experimental evaluation over the effects of natural antioxidants on oxidation stability of binary biodiesel blend. <i>International Journal of Energy Research</i> ,	4.5	4
26	Comparative evaluation of AI -based intelligent GEP and ANFIS models in prediction of thermophysical properties of Fe 3 O 4 -coated MWCNT hybrid nanofluids for potential application in energy systems. <i>International Journal of Energy Research</i> ,	4.5	4
25	Application of novel framework based on ensemble boosted regression trees and Gaussian process regression in modelling thermal performance of small-scale organic rankine cycle using hybrid nanofluid. <i>Journal of Cleaner Production</i> , <b>2022</b> , 132194	10.3	4
24	Perspective review on Municipal Solid Waste-to-energy route: Characteristics, management strategy, and role in circular economy. <i>Journal of Cleaner Production</i> , <b>2022</b> , 359, 131897	10.3	4

23	Combustion and emission behaviors of dual-fuel premixed charge compression ignition engine powered with n-pentanol and blend of diesel/waste tire oil included nanoparticles. <i>Fuel</i> , <b>2022</b> , 324, 124603	7.1	4
22	Optimization of a vertical axis wind turbine with a deflector under unsteady wind conditions via Taguchi and neural network applications. <i>Energy Conversion and Management</i> , <b>2022</b> , 254, 115209	10.6	3
21	Experimental analysis of performance and emission of a turbocharged diesel engine operated in dual-fuel mode fueled with bamboo leaf-generated gaseous and waste palm oil biodiesel/diesel fuel blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-19	1.6	3
20	Optimizing operation parameters of a spark-ignition engine fueled with biogas-hydrogen blend integrated into biomass-solar hybrid renewable energy system. <i>Energy</i> , <b>2022</b> , 124052	7.9	3
19	Remediation of heavy metal polluted waters using activated carbon from lignocellulosic biomass: An update of recent trends.. <i>Chemosphere</i> , <b>2022</b> , 302, 134825	8.4	3
18	Analysis and evaluation of database for the selection of propulsion systems for tankers <b>2020</b> ,		2
17	SiO <sub>2</sub> /TiO <sub>2</sub> nanolayer synergistically trigger thermal absorption inflammatory responses materials for performance improvement of stepped basin solar stillnatural distiller. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 52, 101974	4.7	2
16	Experimental Analysis on the Ultrasound-based Mixing Technique Applied to Ultra-low Sulphur Diesel and Bio-oils. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2019</b> , 9, 307	1.6	2
15	Effect of Heat Treatment Process on The Microstructure and Mechanical Properties of The Spray Coating Ni-Cr on CT38 Steel. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2019</b> , 9, 560	1.6	2
14	Thermal performance of water driven flow of nanoparticle shape due to double sided forced convection enclosed in a porous corrugated duct. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 347, 118046	6	2
13	MICROSTRUCTURES AND ELEMENTS DISTRIBUTION IN THE TRANSITION ZONE OF CARBON STEEL AND STAINLESS STEEL WELDS. <i>Journal of Mechanical Engineering Research and Developments (discontinued)</i> , <b>2018</b> , 41, 27-31	1.6	2
12	Aalyzing and selecting the typical propulsion systems for ocean supply vessels <b>2020</b> ,		2
11	EFFECT OF SN COMPONENT ON PROPERTIES AND MICROSTRUCTURE CU-NI-SN ALLOYS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2018</b> , 80,	1.2	2
10	Experimental investigation of solar energy-based water distillation using inclined metal tubes as collector and condenser. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-17	1.6	2
9	Recent advances in computational fluid dynamics (CFD) modelling of photobioreactors: Design and applications.. <i>Bioresource Technology</i> , <b>2022</b> , 350, 126920	11	2
8	Exploration over combined impacts of modified piston bowl geometry and tert-butyl hydroquinone additive-included biodiesel/diesel blend on diesel engine behaviors. <i>Fuel</i> , <b>2022</b> , 322, 124206	7.1	2
7	Emerging potential of spent coffee ground valorization for fuel pellet production in a biorefinery.. <i>Environment, Development and Sustainability</i> , <b>2022</b> , 1-39	4.5	2
6	Multi-objective optimization of diesel engine performance and emission using grasshopper optimization algorithm. <i>Fuel</i> , <b>2022</b> , 323, 124303	7.1	2



5	Optimization of variable compression ratio diesel engine fueled with Zinc oxide nanoparticles and biodiesel emulsion using response surface methodology. <i>Fuel</i> , <b>2022</b> , 323, 124290	7.1	2
4	Techno-economic and environmental evaluation of photovoltaic-thermal collector design with pork fat as phase change material. <i>Energy</i> , <b>2022</b> , 254, 124284	7.9	1
3	Use of Biodiesel Fuels in Diesel Engines <b>2021</b> , 317-341		0
2	Understanding Climate Change: Scientific Opinion and Public Perspective <b>2022</b> , 1-20		0
1	Integrating Environmental Protection Education in the Curriculum: A Measure to Form Awareness of Environmental Protection for the Community <b>2021</b> , 191-207		