

Ibham Veza

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

857
citations

567281

15
h-index

501196

28
g-index

44
all docs

44
docs citations

44
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in butanol production by acetone-butanol-ethanol (ABE) fermentation. <i>Biomass and Bioenergy</i> , 2021, 144, 105919.	5.7	117
2	Progress of acetone-butanol-ethanol (ABE) as biofuel in gasoline and diesel engine: A review. <i>Fuel Processing Technology</i> , 2019, 196, 106179.	7.2	98
3	Review of artificial neural networks for gasoline, diesel and homogeneous charge compression ignition engine. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 8363-8391.	6.4	81
4	Effects of hybrid nanoparticle additives in n-butanol/waste plastic oil/diesel blends on combustion, particulate and gaseous emissions from diesel engine evaluated with entropy-weighted PROMETHEE II and TOPSIS: Environmental and health risks of plastic waste. <i>Energy Conversion and Management</i> , 2022, 264, 115758.	9.2	67
5	Grasshopper optimization algorithm for diesel engine fuelled with ethanol-biodiesel-diesel blends. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101817.	5.7	57
6	Influence of injection timing on performance, combustion and emission characteristics of a diesel engine running on hydrogen-diethyl ether, n-butanol and biodiesel blends. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 18182-18193.	7.1	37
7	Numerical and experimental investigation of CI engine behaviours supported by zinc oxide nanomaterial along with diesel fuel. <i>Energy</i> , 2022, 239, 122424.	8.8	36
8	Physico-chemical properties of Acetone-Butanol-Ethanol (ABE)-diesel blends: Blending strategies and mathematical correlations. <i>Fuel</i> , 2021, 286, 119467.	6.4	33
9	Experimental investigation of performance, combustion and emission characteristics of a variable compression ratio engine using low-density plastic pyrolyzed oil and diesel fuel blends. <i>Fuel</i> , 2022, 319, 123720.	6.4	33
10	Understanding behaviors of compression ignition engine running on metal nanoparticle additives-included fuels: A control comparison between biodiesel and diesel fuel. <i>Fuel</i> , 2022, 326, 124981.	6.4	33
11	Production of HMF and DMF biofuel from carbohydrates through catalytic pathways as a sustainable strategy for the future energy sector. <i>Fuel</i> , 2022, 324, 124474.	6.4	26
12	Improved Performance, Combustion and Emissions of SI Engine Fuelled with Butanol: A Review. <i>International Journal of Automotive and Mechanical Engineering</i> , 2020, 17, 7648-7666.	0.9	24
13	Multi-objective optimization of diesel engine performance and emission using grasshopper optimization algorithm. <i>Fuel</i> , 2022, 323, 124303.	6.4	22
14	Cetane index prediction of ABE-diesel blends using empirical and artificial neural network models. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-18.	2.3	19
15	Microwave Assisted Biodiesel Production Using Heterogeneous Catalysts. <i>Energies</i> , 2021, 14, 8135.	3.1	19
16	Application of Elman and Cascade neural network (ENN and CNN) in comparison with adaptive neuro fuzzy inference system (ANFIS) to predict key fuel properties of ABE-diesel blends. <i>International Journal of Green Energy</i> , 2021, 18, 1510-1522.	3.8	16
17	Analysis of particle size diameter (PSD), mass fraction burnt (MFB) and particulate number (PN) emissions in a diesel engine powered by diesel/biodiesel/n-amyl alcohol blends. <i>Energy</i> , 2022, 250, 123806.	8.8	16
18	Effect of COVID-19 on Biodiesel Industry: A Case Study in Indonesia and Malaysia. <i>International Journal of Automotive and Mechanical Engineering</i> , 2021, 18, .	0.9	14

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19	Electric Vehicles in Malaysia and Indonesia: Opportunities and Challenges. <i>Energies</i> , 2022, 15, 2564.	3.1	14
20	Response Surface Methodology and Artificial Neural Networks-Based Yield Optimization of Biodiesel Sourced from Mixture of Palm and Cotton Seed Oil. <i>Sustainability</i> , 2022, 14, 6130.	3.2	13
21	Simulation of predictive kinetic combustion of single cylinder HCCI engine. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	11
22	Performance and Emission Measurement of a Single Cylinder Diesel Engine Fueled with Palm Oil Biodiesel Fuel Blends. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1068, 012020.	0.6	9
23	Tribological behavior of organic formulated anti-wear additive under high frequency reciprocating rig and unidirectional orientations: Particles transport behavior and film formation mechanism. <i>Tribology International</i> , 2022, 167, 107415.	5.9	9
24	Hydraulic characterization of Diesel, B50 and B100 using momentum flux. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 4371-4388.	6.4	7
25	Developments in Nanoparticles Enhanced Biofuels and Solar Energy in Malaysian Perspective: A Review of State of the Art. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-22.	2.7	7
26	Predictive simulation of single cylinder n-butanol HCCI engine. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 884, 012099.	0.6	6
27	Effect of Al Additions on the Microstructure and Mechanical Properties of the SHS Product of Ni-Al-TiO ₂ Mixtures. <i>Materials Science Forum</i> , 0, 1029, 3-8.	0.3	5
28	Heterogeneous Catalyzed Biodiesel Production Using Cosolvent: A Mini Review. <i>Sustainability</i> , 2022, 14, 5062.	3.2	5
29	Study On The Energy Conversion In The Thermoelectric Liquefied Petroleum Gas Cooking Stove With Different Cooling Methods. <i>SSRG International Journal of Engineering Trends and Technology</i> , 2021, 69, 185-193.	0.5	4
30	Scalable multi-agent formation control under switching leader-follower directed graph. <i>Asian Journal of Control</i> , 2022, 24, 3175-3189.	3.0	4
31	Potential of range extender electric vehicles (REEVS). <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 884, 012093.	0.6	3
32	Recent Advances in Diesel-Biodiesel Blended with Nano-Additive as Fuel in Diesel Engines: A Detailed Review. <i>Automotive Experiences</i> , 2022, 5, 182-216.	0.9	3
33	Effect of nanocomposite SCP1 additive to waste cooking oil biodiesel as fuel enhancer on diesel engine performance and emission characteristics. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102291.	2.7	2
34	Development of impact attenuator analysis tools in crash scenario using Euler method and finite element analysis. <i>Journal of Engineering and Applied Science</i> , 2022, 69, .	2.0	1
35	Lessons from Brazil: Opportunities of Bioethanol Biofuel in Indonesia. <i>Indonesian Journal of Computing Engineering and Design (IJoCED)</i> , 2022, 4, 8.	1.0	1
36	Strategies to Form Homogeneous Mixture and Methods to Control Auto-Ignition of HCCI Engine. <i>International Journal of Automotive and Mechanical Engineering</i> , 2021, 18, .	0.9	1

#	ARTICLE	IF	CITATIONS
37	Study of the Creep Deformation of Sanicro 25 Austenitic Steel by Computer Simulations. Materials Science Forum, 2019, 961, 156-162.	0.3	0
38	Parametric Study of Factors Affecting Lateral Stability of a Public Transportation Vehicle. International Journal of Sustainable Transportation Technology, 2021, 4, 79-86.	0.2	0