

H Fayaz

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,642
citations

236833

25
h-index

265120

42
g-index

50
all docs

50
docs citations

50
times ranked

4742
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Analyzing the Public Opinion as a Guide for Renewable-Energy Status in Malaysia: A Case Study. IEEE Transactions on Engineering Management, 2023, 70, 371-385. | 2.4 | 17 |
| 2 | Characteristics investigation of silicone rubber-based RTV/ μ ATH@nSiO ₂ micro/nano composites for outdoor high voltage insulation. Journal of Dispersion Science and Technology, 2022, 43, 1346-1358. | 1.3 | 4 |
| 3 | Optimization of Thermal and Structural Design in Lithium-Ion Batteries to Obtain Energy Efficient Battery Thermal Management System (BTMS): A Critical Review. Archives of Computational Methods in Engineering, 2022, 29, 129-194. | 6.0 | 44 |
| 4 | Experimental investigation on the thermal performance of inserted helical tube three-fluid heat exchanger using graphene/water nanofluid. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5087-5100. | 2.0 | 20 |
| 5 | Utilization of biodiesel/Al ₂ O ₃ nanoparticles for combustion behavior enhancement of a diesel engine operated on dual fuel mode. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5897-5911. | 2.0 | 48 |
| 6 | Solar thermal collector. , 2022, , 93-122. | | 3 |
| 7 | Utilization of Azadirachta indica biodiesel, ethanol and diesel blends for diesel engine applications with engine emission profile. Fuel, 2022, 319, 123798. | 3.4 | 29 |
| 8 | Improved surface temperature of absorber plate using metallic titanium particles for solar still application. Sustainable Energy Technologies and Assessments, 2022, 52, 102092. | 1.7 | 4 |
| 9 | Investigation of flexural properties of epoxy composite by utilizing graphene nanofillers and natural hemp fibre reinforcement. Polymers and Polymer Composites, 2022, 30, 096739112210936. | 1.0 | 2 |
| 10 | Developments in Nanoparticles Enhanced Biofuels and Solar Energy in Malaysian Perspective: A Review of State of the Art. Journal of Nanomaterials, 2022, 2022, 1-22. | 1.5 | 7 |
| 11 | An Investigation on the Activation Energy and Thermal Degradation of Biocomposites of Jute/Bagasse/Coir/Nano TiO ₂ /Epoxy-Reinforced Polyaramid Fibers. Journal of Nanomaterials, 2022, 2022, 1-5. | 1.5 | 8 |
| 12 | Experimental Studies on Mechanical and Thermal Properties of Polyester Hybrid Composites Reinforced with Sansevieria Trifasciata Fibers. Advances in Materials Science and Engineering, 2022, 2022, 1-6. | 1.0 | 9 |
| 13 | Numerical investigation on pressure-driven electro osmotic flow and mixing in a constricted micro channel by triangular obstacle. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 982-1013. | 1.6 | 4 |
| 14 | A New Hybrid LGPMBWM-PIV Method for Automotive Material Selection. Informatica (Slovenia), 2021, 45, . | 0.6 | 7 |
| 15 | Engine performance and emission characteristics of palm biodiesel blends with graphene oxide nanoplatelets and dimethyl carbonate additives. Journal of Environmental Management, 2021, 282, 111917. | 3.8 | 86 |
| 16 | Influence of Silica Nano-Additives on Performance and Emission Characteristics of Soybean Biodiesel Fuelled Diesel Engine. Energies, 2021, 14, 1489. | 1.6 | 38 |
| 17 | Solution Processed PVB/Mica Flake Coatings for the Encapsulation of Organic Solar Cells. Materials, 2021, 14, 2496. | 1.3 | 14 |
| 18 | Waste Animal Bones as Catalysts for Biodiesel Production; A Mini Review. Catalysts, 2021, 11, 630. | 1.6 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Collective effect of ternary nano fuel blends on the diesel engine performance and emissions characteristics. Fuel, 2021, 293, 120420. | 3.4 | 65 |
| 20 | A Smart Microgrid Approach for Distributed Network Combined with Power Line Fault Location Detection. , 2021, , . | | 2 |
| 21 | Magnesium doped TiO ₂ as an efficient electron transport layer in perovskite solar cells. Case Studies in Thermal Engineering, 2021, 26, 101101. | 2.8 | 28 |
| 22 | Experimental evaluation and numerical verification of enhanced heat transportation by using ultrasonic assisted nanofluids in a closed horizontal circular passage. Case Studies in Thermal Engineering, 2021, 26, 101026. | 2.8 | 4 |
| 23 | Effect of palm-sesame biodiesel fuels with alcoholic and nanoparticle additives on tribological characteristics of lubricating oil by four ball tribo-tester. AEJ - Alexandria Engineering Journal, 2021, 60, 4537-4546. | 3.4 | 39 |
| 24 | Production and utilization aspects of waste cooking oil based biodiesel in Pakistan. AEJ - Alexandria Engineering Journal, 2021, 60, 5831-5849. | 3.4 | 34 |
| 25 | Energy storage technologies. , 2020, , 125-165. | | 20 |
| 26 | A Novel nanodiamond/Zinc nanocomposite as potential counter electrode for flexible dye sensitized solar cell. Solar Energy, 2020, 197, 1-5. | 2.9 | 25 |
| 27 | Numerical Investigation of double pipe heat exchanger with different nanofluids. IOP Conference Series: Earth and Environmental Science, 2020, 573, 012030. | 0.2 | 4 |
| 28 | Enhancement in Combustion, Performance, and Emission Characteristics of a Diesel Engine Fueled with Ce-ZnO Nanoparticle Additive Added to Soybean Biodiesel Blends. Energies, 2020, 13, 4578. | 1.6 | 76 |
| 29 | Combined Effect of Synthesized Waste Milk Scum Oil Methyl Ester and Ethanol Fuel Blend on the Diesel Engine Characteristics. Journal of the Institution of Engineers (India): Series C, 2020, 101, 947-962. | 0.7 | 8 |
| 30 | Hydrogen Injection in a Dual Fuel Engine Fueled with Low-Pressure Injection of Methyl Ester of Thevetia Peruviana (METP) for Diesel Engine Maintenance Application. Energies, 2020, 13, 5663. | 1.6 | 30 |
| 31 | Performance analysis of hybrid/single nanofluids on augmentation of heat transport in lidâ€driven undulated cavity. Heat Transfer, 2020, 49, 4204-4225. | 1.7 | 18 |
| 32 | Biodegradable carboxymethyl cellulose based material for sustainable packaging application. Scientific Reports, 2020, 10, 21960. | 1.6 | 114 |
| 33 | Towards Sustainable Energy: A Systematic Review of Renewable Energy Sources, Technologies, and Public Opinions. IEEE Access, 2019, 7, 63837-63851. | 2.6 | 560 |
| 34 | Numerical and experimental investigation of the effect of operating conditions on performance of PVT and PVT-PCM. Renewable Energy, 2019, 143, 827-841. | 4.3 | 131 |
| 35 | Numerical and outdoor real time experimental investigation of performance of PCM based PVT system. Solar Energy, 2019, 179, 135-150. | 2.9 | 137 |
| 36 | Water/MWCNT nanofluid based cooling system of PVT: Experimental and numerical research. Renewable Energy, 2018, 121, 286-300. | 4.3 | 193 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Techno-economic Analysis of Evacuated Tube Solar Water Heater using F-chart Method. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012016. | 0.3 | 8 |
| 38 | Energy and exergy analysis of the PVT system: Effect of nanofluid flow rate. Solar Energy, 2018, 169, 217-230. | 2.9 | 150 |
| 39 | The artificial neural network for solar radiation prediction and designing solar systems: a systematic literature review. Journal of Cleaner Production, 2015, 104, 1-12. | 4.6 | 208 |
| 40 | Impact of palm biodiesel blend on injector deposit formation. Applied Energy, 2013, 111, 882-893. | 5.1 | 82 |
| 41 | Structural and optical studies of nanostructured TiO ₂ /Ge multi-layer thin films. Thin Solid Films, 2013, 536, 220-228. | 0.8 | 21 |
| 42 | Non-edible vegetable oils: A critical evaluation of oil extraction, fatty acid compositions, biodiesel production, characteristics, engine performance and emissions production. Renewable and Sustainable Energy Reviews, 2013, 18, 211-245. | 8.2 | 953 |
| 43 | An overview of hydrogen as a vehicle fuel. Renewable and Sustainable Energy Reviews, 2012, 16, 5511-5528. | 8.2 | 242 |
| 44 | Global solar energy use and social viability in Malaysia. , 2011, , . | | 6 |
| 45 | Solar energy policy: Malaysia vs developed countries. , 2011, , . | | 11 |
| 46 | Review on solar water heater collector and thermal energy performance of circulating pipe. Renewable and Sustainable Energy Reviews, 2011, 15, 3801-3812. | 8.2 | 143 |
| 47 | A review on global solar energy policy. Renewable and Sustainable Energy Reviews, 2011, 15, 2149-2163. | 8.2 | 882 |
| 48 | A review on kiln system modeling. Renewable and Sustainable Energy Reviews, 2011, 15, 2487-2500. | 8.2 | 45 |
| 49 | Development of solar energy and present policies in Malaysia. , 2011, , . | | 13 |
| 50 | Effect of Soybean biodiesel and Copper coated Zinc oxide Nanoparticles on Enhancement of Diesel Engine Characteristics. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19. | 1.2 | 10 |