

Year	Created	Title
2018	2020-04	Effects of nano-additives on pollutants emission and engine performance in a urea-SCR equipped diesel engine fueled with blended-
2020	2020-09	Michelia Champaca: Sustainable novel non-edible oil as nano based bio-lubricant with tribological investigation
2020	2022-01	Experimental investigation of the distinct effects of nanoparticles addition and urea-SCR after-treatment system on NOx emissions in a
2020	2022-02	Visible-light-driven selective oxidation of methane to methanol on amorphous FeOOH coupled m-WO₃
2022	2022-07	Latest trends and developments in microalgae as potential source for biofuels: The case of diatoms
2022	2022-08	Thermokinetics synergistic effects on co-pyrolysis of coal and rice husk blends for bioenergy production
2023	2022-10	Nitrogen-rich three-dimensional metal-organic framework microrods as an efficient electrocatalyst for oxygen evolution reaction and
2022	2022-10	Optimization of grafted fibrous polymer preparation procedure as a new solid basic catalyst for biodiesel fuel production from palm oil
2023	2023-01	Biodiesel unsaturation and the synergic effects of hydrogen sharing rate on the characteristics of a compression ignition engine in dual-
2022	2023-01	Optimization of combustion, performance, and emission characteristics of a dual-fuel diesel engine powered with microalgae-based
2023	2023-01	Enhancement of combustion characteristics of waste cooking oil biodiesel using TiO₂ nanofluid blends through RSM
2022	2023-01	Multi-attribute optimization of sustainable aviation fuel production-process from microalgae source
2022	2023-01	Exploration over combined impacts of modified piston bowl geometry and tert-butyl hydroquinone additive-included biodiesel/diesel
2022	2023-01	Experimental assessment on characteristics of premixed charge compression ignition engine fueled with multi-walled carbon nanotube-
2022	2023-01	Optimization of variable compression ratio diesel engine fueled with Zinc oxide nanoparticles and biodiesel emulsion using response
2022	2023-01	Effects of advanced injection timing and inducted gaseous fuel on performance, combustion and emission characteristics of a diesel
2019	2023-01	A core correlation of spray characteristics, deposit formation, and combustion of a high-speed diesel engine fueled with Jatropha oil and
2022	2023-01	Combustion and emission behaviors of dual-fuel premixed charge compression ignition engine powered with n-pentanol and blend of
2022	2023-01	Numerical investigation of TiO₂ and MWCNTs turbine meter oil nanofluids: Flow and hydrodynamic properties
2023	2023-01	Feasibility and environmental assessments of a biomass gasification-based cycle next to optimization of its performance using artificial
2022	2023-01	Thermodynamic and density functional theory study the removal of different forms of gas arsenic by using aluminum nitride nanotube
2023	2023-01	-Neural network-based optimization of hydrogen fuel production energy system with proton exchange electrolyzer supported
2023	2023-01	Recent progress in catalytic deoxygenation of biomass pyrolysis oil using microporous zeolites for green fuels production
2023	2023-01	Efficient waste heat recovery of a hybrid solar-biogas-fueled gas turbine cycle for poly-generation purpose: 4E analysis, parametric
2023	2023-01	Biochar Production: Recent Developments, Applications, and challenges
2023	2023-01	Optimal design and transient simulation next to environmental consideration of net-zero energy buildings with green hydrogen
2023	2023-01	Comparison of neural network and response surface methodology techniques on optimization of biodiesel production from mixed
2023	2023-01	Dehydrogenation of hydrous hydrazine over carbon nanosphere- supported PtNi nanoparticles for on-demand H₂ release

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2022	2023-01	Application of nanomaterials for enhanced production of biodiesel, biooil, biogas, bioethanol, and biohydrogen via lignocellulosic
2021	2023-01	Sol-gel synthesis of DyFeO₃/CuO nanocomposite using Capsicum Annum extract: Fabrication, structural analysis, and assessing the
2023	2023-01	Development of TiO₂ catalyst based on Anderson-polyoxometalates for efficient visible-light-driven photocatalytic oxidative
2021	2023-02	RETRACTED: Forecasting biofuel production using adaptive integrated optimization network model
2023	2023-03	Soot oxidation over Pt-loaded CeO₂-ZrO₂ catalysts under gasoline exhaust conditions: Soot-catalyst contact efficiency and Pt chemical
2023	2023-03	Highly dispersed Pd anchored on heteropolyacid modified ZrO₂ for high efficient hydrodeoxygenation of lignin-derivatives
2023	2023-03	Palladium based bimetallic nanocatalysts: Synthesis, characterization and hydrogen fuel production
2023	2023-03	Microalgal biofuel production: Potential challenges and prospective research
2023	2023-04	Recent developments in metal/metalloid nanomaterials for battery applications; a comparative review
2021	2023-04	Hydrogen-rich syngas production from chemical looping gasification of lignite by using NiFe₂O₄ and CuFe₂O₄ as oxygen carriers
2022	2023-05	Enhanced valorization of hemp stalk via chemo-catalytic and hydrothermal conversions
2023	2023-06	Experimental insights into limestone-hydrogen interactions and the resultant effects on underground hydrogen storage
2023	2023-07	An end-to-end approach to predict physical properties of heterogeneous porous media: Coupling deep learning and physics-based
2021	2023-07	Toluene catalytic oxidation over the layered MO_x-δ-MnO₂ (M = Pt, Ir, Ag) composites originated from the facile self-driving combustion
2022	2023-08	Effect of wax crystal on the kinetic and morphology of gas hydrate deposition in water-in-oil emulsions
2024	2023-09	Scalable synthesis of MOF-derived Nd₂O₃@C and V₂O₅@C nanohybrid: Efficient electrocatalyst for OER in alkaline medium
2020	2023-10	Deep insights into enhanced direct-desulfurization selectivity of thiourea-modified CoMoP/γ-Al₂O₃: An investigation of catalyst
2024	2023-10	Assessment of noise and vibration characteristics of Botryococcus braunii microalgae and hydrogen blends in internal combustion
2024	2023-10	Engineering microbes for sustainable biofuel production and extraction of lipids – Current research and future perspectives