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Academic Titles / Tasks

Associate Professor, California State University, Los Angeles, 2024 - Continues
Associate Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2024 - Continues
Associate Professor, Duzce University, Faculty of Engineering, Department of Mechanical Engineering, 2022 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhancing biogas/biohydrogen utilization in dual-fuel engines using advanced machine learning algorithms**
Khan F., Alsaduni I., Khan O., Parvez M., Yadav A. K., AĞBULUT Ü.
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- II. **A novel approach using experimental results of mixed refrigerants and entropy-weighted TOPSIS optimization for the sustainability of hydrogen pre-cooling liquefaction process**
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- III. **Innovative hydrogen production from waste bio-oil via steam methane reforming: An advanced ANN-AHP-k-means modelling approach using extreme machine learning weighted clustering**
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- IV. **Novel green hydrochar production for renewable fuel substitutes, and experimental investigation of its usability on CI engine performance, combustion, and emission characteristics**
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- V. **Thermal assessment of Li-ion battery cells and coolant in hybrid electric vehicles system: Application of conjugate condition and response surface methodology**
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- VIII. **Production of oxy-hydrogen with an alkaline electrolyzer, and its impacts on engine behaviors fuelled with diesel/waste fish biodiesel mixtures supported by graphene nanoparticles**
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- IX. **CO₂ storage behavior of rice husk biochar-bitumen mixture at different pressures and temperatures: a detailed experimental investigation**
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