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- AEC0022 A Study of Combustion Characteristics of Two Gasoline-Biodiesel Mixtures on RCEM Using Various Fuel Injection Pressures
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- AEC0023 Catalytic hydrothermal liquefaction of Eucalyptus bark for bio-oil production: Effect of process conditions
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- AME0016 Magnetohydrodynamic modeling of plasma thruster engine for
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*K Kanthanasorn, T Mansumittrchai, T Sookkij, and C
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- AMM0003 The effect of nickel on the microstructure and mechanical behaviour of the sintered Fe-Mo-Mn-Si-C composite
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- AMM0007 The Optimization of Electrostatic Air Filter Layers for Small Dust Particles Reduced
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- AMM0013 FE modeling of friction stir welding process of dissimilar aluminium alloys using coupled Eulerian-Lagrangian (CEL) approach
T Prodkornburee and V Uthaisangsuk
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- AMM0015 Structural Investigation and Simulation of Elastic Properties for Unidirectional Composite Materials
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- AMM0016 Influence of energy input and layer thickness on melt pool morphology of a laser powder bed fusion of Inconel 718
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- AMM0017 Mechanical Property Mapping of Combinatorial Thin Films using Nano Indentation with Neural Networks
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- AMM0019 Effect of Cooling Rate on Thermal Residual Stress in Porous Materials using FEA.
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- AMM0023 Energy Absorption of 3D-Printed Complex Cellular Thermoplastic Structures
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- AMM0024 A Development of Passive Manipulator for Arthroscopy
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- AMM0026 Influence of Specimen Dimension on Distortion and Residual Stress Formation in Metal Additive Manufacturing
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AMM0028 Analysis and design for vibration of a wing-like laminated
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B Phungsara and P Jearanaisilawong
- BME0004 Device to Prevent Lateral Wheelchair Falls for Hemiplegic Patients
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- BME0005 Stress Analysis and Fatigue Life of NiTi Rotary Endodontic Files with Different Cross-sectional Profile
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- BME0007 Analysis of Drill Bit Penetration States in the Process of Stepwise Bone Drilling
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- BME0008 Influence of cell size gradients on the mechanical performance of bone scaffold
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- BME0009 Analysis of Motor Unit Recruitment in Human Skeleton Muscle using FEM
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- BME0010 The Effect of Substance Concentration on the Spectral
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- CST0013 Numerical Study of Aeroacoustics for Centrifugal Fan
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- CST0020 Performance evaluation of caudal fin shape for vortex -induced vibration energy harvesting
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- CST0025 The Vitreous Humor Viscosity Effect on Temperature Distribution within Human Eye Model
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- DRC0009 Proposal for an Evaluation Method for Robot Interfaces
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- DRC0010 A Pneumatic Artificial Muscle for Lowe-limb Gait Training
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- DRC0011 Fuzzy-PD Controller Performance of Cessna-182 UAV's
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- DRC0012 Analyzing the Motion during Shock Absorption of Foamed
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- DRC0013 Automated parking system using dynamics window approach
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- DRC0016 Development of Autonomous Mobile Service Robot with
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- ETM0002 Thermal performance and local air temperature analysis of a cooling serpentine copper pipe
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- ETM0003 Energy Consumption and Temperature Performance of Cold Stores in Food Industries in Thailand
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- ETM0004 A study of impact on energy consumption due to Natural Shading with difference building wall type
E Sangthammara, C Chutakosikanon
- ETM0005 Investigation of Solar Light Intensity beneath a Solar Photovoltaic System in a Tropical Climate Region
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- ETM0006 Evaluation of CPMS installation and performance for energy savings
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- ETM0007 Flexibilization of an MGT-SOFC hybrid system for electricity and hydrogen production for the realization of a sustainable hydrogen economy
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- ETM0008 Natural Ventilation in Building by Using Roof Solar Collector with Double-Air Channel Integrated with Indirect Evaporative Cooling (RSC-DC-IEC)
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- TSF0002 Thermal management for battery cooling system using dendritic mini-channel
N Patimapornrat, K Boonma and S Wongwises
- TSF0003 Determining Flow Coefficient for Silent Check Valve with Different Opening Positions using CFD
S Chungchatupornchai and M Pipathattakul
- TSF0004 Free convective heat transfer characteristic of hybrid nanofluid inside the solar plant with porous block
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- TSF0005 Modeling of Liquid Water and Mass Transport in Porous Electrodes with Microcracks of Polymer Electrolyte Fuel Cells
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- TSF0006 Modeling of Linear Sweep Voltammetry at Porous Electrodes Using the Bruggeman Correlation
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- TSF0007 Suppression of Flow Instabilities induced by Inlet Guide Vanes
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- TSF0008 Numerical Study of Channel Structure Effects on Thermal Hydraulic Performance of Printed Circuit Heat Exchanger
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- TSF0009 Flow-Direction Control of Primary Jets near a Wall Boundary using Secondary Flow with a Coanda Surface
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- TSF0010 Evaporation heat transfer enhancement and pressure drop of R-513A in a horizontal smooth tube.
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- TSF0011 Numerical Investigation on Effects of Perforated Gas Diffusion Layers on Performance and Transports in a PEFC with a Single Channel Serpentine Flow Field
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- TSF0012 Cooling performance investigation of battery thermal management system using water-based nanofluids
S Kumkam, T Saengchothiran, N Pimporn, R Chittasopas, W Phromsuwan, S Wongwises and P Trinuruk
- TSF0013 Effect of Sleeve Temperature in Sleeve Soldering on Solder Melting Process and Pressure Fluctuation inside Sleeve
N Keita, F Hiroshi, S Atsushi and U Hidetake
- TSF0014 Novel airfoil corrugated plate heat exchanger numerical study: comparison with conventional sinusoidal corrugated type and analysis of geometrical parameters
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- TSF0015 Structural topology optimization and irreversibility analysis in an electrochemical reaction-diffusion system
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- TSF0016 Fundamental study on a swing rotary expander for a small sized regenerative device using engine waste heat of a vehicle
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- TSF0017 Performance investigation of blower for mechanical ventilator using CFD
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- TSF0018 Effect of Exit Diameter of Elliptical Cell attached to Small Shock Tube on Shock Wave-Induced Vortex Ring and Unsteady Jet
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- TSF0020 Numerical Simulation and Wind Tunnel Experiments on the Noise Reduction Effect of Rings on a Cylinder
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- TSF0021 Geometrical Parametric Study on Nucleate Pool Boiling on Hydrophilic Micro/Nanotextured Surfaces with Hydrophobic Patterns
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- TSF0022 The Effect of the Mixing Mechanism within Liquid Porous Burner on Turbulent Intensity by Using 2D Particle Image Velocimetry Method
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- TSF0023 Numerical study of evaporation behavior of fluid in a porous medium by two-phase lattice Boltzmann method
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- TSF0024 Effect of Vortex Ring Interaction in a Synthetic Jet Array on Boundary Layer Control
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- TSF0025 A study on the effect of working fluid filling ratio and inclination for cryogenic heat pipes
R Wanison, N Kimura, M Murakami, H Nakai and S Takada

- TSF0026 Effects of Surfactant on Structure Formation and Performance
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S Fujita, T Suzuki and S Tsushima
- TSF0027 Development of Ultra-Low Temperature Cooling System
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M Li, N Zhu
- TSF0028 Numerical Simulation for Fractal Shaped Windbreak Fence
R Yoshinaka, S Maki, S Nakamura, H Fukuoka and K Iida
- TSF0029 Determination of local internal heat transfer in the cooling
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HP Berg, D Barkowski and U Butt
- TSF0030 Computational fluid dynamics simulations of a realistic mini-
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- TSF0032 The use of Cooling Tower for reducing aerosol particulate
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- TSF0033 Simplified Model for Solar Heat Gain in Agricultural
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