Taguette highlights: Move a Step 1

CFD of convective heat transfer remains a challenge, especially in channels with irregular rough walls due to the Heat transfer

complex fluid dynamics over and between these roughness elements

Document: Thermofluid_Paper1 **Tags:** Move a Step 1

Chemical additives to perovskite precursors constitute a predominant route to passivate defects in perovskite Perovskite solar cells

films and improve carrier charge dynamics.

Document: Thermofluid_Paper3 **Tags:** Move a Step 1

Ever-increasing impact of burning carbon fuels puts a worldwide trend to shift to renewable energy resources to Concentrated solar plants

contribute to a sustainable environment, energy and economy. Concentrated Solar Power (CSP) technologies are Renewable energy

some of the world’s most prospective clean technologies for energy and a complete evaluation of the systems is Parabolic trough collector

necessary to explore their optimum potential.

Document: Thermofluid_Paper4 **Tags:** Move a Step 1

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everal thermodynamic properties are crucial in selecting the optimal working fluids and significantly affect the Thermal efficiency

performance of the Organic Rankine cycle (ORC); one of them is the liquid-vapor critical temperature.

Document: Thermofluid_Paper5 **Tags:** Move a Step 1

Ejectors have emerged as a viable solution for handling Boil-Off-Gas (BOG) generated by cryogenic storage tanks.

Supersonic ejector

The efficiency of ejector-based systems plays is highly dependent on the ejector’s performance which is influ-Boil off gas

enced by various factors including the geometry of the ejector and the boundary conditions.

Document: Thermofluid_Paper6 **Tags:** Move a Step 1

Scientists have become intrigued by the capacity of two solid components to dissolve in a conventional fluid to Hybrid nanofluid

enhance the thermal efficiency of novel hybrid nanofluids.

Document: Thermofluid_Paper8 **Tags:** Move a Step 1

Metallic-based microcellular structures are widely used in heat and mass transfer processes owing to their unique Microcellular metals

combination of high porosity, high surface area, fixed pore morphology and high Young modulus, enabling their Computational fluid dynamics

suitability as heat pipes in oil and gas processing equipment, biomedical materials for bone repair and bone Effective thermal conductivity

substitution, solar collectors, fuel cells, impact loading, soundproofing materials and metallurgical processing.

Document: Thermofluid_Paper10 **Tags:** Move a Step 1

The effects of contact load and relative displacement on tribological behaviors and corrosion−wear behavior are revealed. The following conclusions are obtained.

Document: Friction_paper2 **Tags:** Move a Step 1