

Posters Session

6 May 2021, 17:15 – 18:00

Entropy in Multidisciplinary Applications & Thermodynamics (**Posters 2B**)

ID	Poster
29112	Qiang Li, Emmanuel Johnson, Jose Juan Esteve-Taboada, Valero Laparra, Jesús Malo: Computing variations of entropy and redundancy under nonlinear mappings not preserving the signal dimension: quantifying the efficiency of V1 cortex
29203	Andreia F. Gaudêncio, Mirvana Hilal, Pedro G. Vaz, João M. Cardoso, Anne Humeau-Heurtier: Bi-dimensional colored fuzzy entropy applied to melanoma dermoscopic images
29249	Johannes Bleher, Thomas Dimpfl: Estimation of Relative Entropy Measures based on Quantile Regression
29311	Raimundo Real, Alba Estrada: A stepwise assessment of parsimony and entropy in species distribution modelling
29348	Dalibor Štys, Stefan Tangl, Renata Rychtáriková: Superresolved light microscopy information on the structure of the stained dental tissue section obtained by point divergence gain analysis
29521	Omar Velazquez Martinez, Annukka Santasalo-Aarnio, Markus Reuter, Rodrigo Serna-Guerrero: Case studies of Statistical Entropy Analysis in Recycling Processes: A tool in Support of a Circular Economy
28919	Ilias Tyrovolas: New Explanation for the Mpemba effect
29657	Francisco Peña, Patricio Vargas, Oscar Negrete: Quasistatic and quantum-adiabatic Otto engine for a two-dimensional material: The case of a graphene quantum dot
30309	Peter Ván: Dissipative extension of Electrodynamics
29885	João Carvalho, Susana Brás, Armando Pinho: Entropy-Based ECG Biometric Identification
30175	Migdat Hodzic, Ivan Kennedy: Entropy of Vostok Ice Core Data and Kalman Filter Harmonic Bank Climate Predictor
32526	Qiang Li: Measuring Functional Connectivity of Human Intra-Cortex Regions with Total Correlation
32529	Khoder Makkawi, Nourdine AIT-TMAZIRTE, Maan El Badaoui El Najjar, Nazih Moubayed: General entropy-based framework for a robust and fail-safe multi-sensor data fusion
44132	Walter Legnani, Marco Baldiviezo, Camila Bontempo, Yanina Corsaro, Juan Fernandez Biancardi, Adrian Paglia, Masia Hernando, Matías Rodríguez: Evaluation of the performance of permutation entropy variants for classifying auditory evoked potentials

- 44154 **Diego Santana, Kayque Santos, Claudio Kiminami, Francisco Coury:** Design and characterization of Cr_{29.7}Co_{29.7}Ni_{35.4}Al_{4.0}Ti_{1.2} precipitation hardened high entropy alloy
- 44185 **Jordao Oliveira, Ivonete Avila, Marcelo Pinheiro, Carlos Maciel:** Entropy: from Thermodynamics to Information Theory
- 44169 **Ruth Estephania Gonzalez Narvaez, Federico Vazquez Hurtado, Mariano López de Haro:** The minimum entropy production principle and heat transport in solids with internal structure
- 44184 **Ricardo T Páez-Hernández, Juan Carlos Chimal-Eguía, Juan Carlos Pacheco-Paez:** Comparative performance analysis of a Brownian Carnot cycle from the perspective of a stochastic model against the Linear Irreversible Thermodynamics theory.
- 44190 **Luis Eduardo Vidal-Miranda, Juan Carlos Chimal-Eguía, Juan Carlos Pacheco-Paez, Ricardo Teodoro Páez-Hernández:** Efficiency of an arrangement in series of irreversible thermal engines working at maximum power.