

Walid Aich

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Numerical investigation of combined buoyancy-thermocapillary convection and entropy generation in 3D cavity filled with Al ₂ O ₃ nanofluid. AEJ - Alexandria Engineering Journal, 2017, 56, 71-79.	6.4	51
2	3D Buoyancy-Induced Flow and Entropy Generation of Nanofluid-Filled Open Cavities Having Adiabatic Diamond Shaped Obstacles. Entropy, 2016, 18, 232.	2.2	43
3	Effects of Movable-Baffle on Heat Transfer and Entropy Generation in a Cavity Saturated by CNT Suspensions: Three-Dimensional Modeling. Entropy, 2017, 19, 200.	2.2	43
4	3D Magneto-Buoyancy-Thermocapillary Convection of CNT-Water Nanofluid in the Presence of a Magnetic Field. Processes, 2020, 8, 258.	2.8	16
5	Three-dimensional computational fluid dynamics analysis of buoyancy-driven natural ventilation and entropy generation in a prismatic greenhouse. Thermal Science, 2018, 22, 73-85.	1.1	16
6	Jet Impingement Cooling of a Rotating Hot Circular Cylinder with Hybrid Nanofluid under Multiple Magnetic Field Effects. Mathematics, 2021, 9, 2697.	2.2	9
7	Comparative Assessment between Five Control Techniques to Optimize the Maximum Power Point Tracking Procedure for PV Systems. Mathematics, 2022, 10, 1080.	2.2	9
8	Experimental Studies on Mechanical and Thermal Properties of Polyester Hybrid Composites Reinforced with Sansevieria Trifasciata Fibers. Advances in Materials Science and Engineering, 2022, 2022, 1-6.	1.8	9
9	Performance Optimization of a Thermoelectric Device by Using a Shear Thinning Nanofluid and Rotating Cylinder in a Cavity with Ventilation Ports. Mathematics, 2022, 10, 1075.	2.2	8
10	Study of three-dimensional natural convection and entropy generation in an inclined solar collector equipped with partitions. Heat Transfer - Asian Research, 2017, 46, 1312-1326.	2.8	7
11	Numerical simulation of buoyancy-induced heat transfer and entropy generation in 3D C-shaped cavity filled with CNT-Al ₂ O ₃ /water hybrid nanofluid. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 1403-1423.	1.0	5
12	The ciliated flow of water-based graphene oxide and copper nanoparticles (GO-Cu/H ₂ O) in a complex permeable tube with entropy generation phenomenon. Waves in Random and Complex Media, 0, , 1-17.	2.7	5
13	Oscillatory natural convection of water-glycerin mixture in a tall rectangular cavity: Transition to the chaos. Heat Transfer - Asian Research, 2018, 47, 943-956.	2.8	3
14	Jet impingement cooling using shear thinning nanofluid under the combined effects of inclined separated partition at the inlet and magnetic field. European Physical Journal: Special Topics, 2022, 231, 2491-2508.	2.6	3