

Angel Huminic

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45
papers

1,834
citations

22
h-index

42
g-index

48
ext. papers

2,202
ext. citations

5.1
avg, IF

5.95
L-index

#	Paper	IF	Citations
45	Application of nanofluids in heat exchangers: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 5625-5638	16.2	324
44	Hybrid nanofluids for heat transfer applications [A state-of-the-art review. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 125, 82-103	4.9	206
43	Experimental study of the thermal performance of thermosyphon heat pipe using iron oxide nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 656-661	4.9	114
42	Entropy generation of nanofluid and hybrid nanofluid flow in thermal systems: A review. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112533	6	112
41	Heat transfer characteristics in double tube helical heat exchangers using nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 4280-4287	4.9	108
40	Heat transfer characteristics of a two-phase closed thermosyphons using nanofluids. <i>Experimental Thermal and Fluid Science</i> , 2011 , 35, 550-557	3	94
39	Thermal conductivity, viscosity and surface tension of nanofluids based on FeC nanoparticles. <i>Powder Technology</i> , 2015 , 284, 78-84	5.2	87
38	Experimental study on thermal conductivity of stabilized Al ₂ O ₃ and SiO ₂ nanofluids and their hybrid. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 450-457	4.9	85
37	Numerical study on heat transfer characteristics of thermosyphon heat pipes using nanofluids. <i>Energy Conversion and Management</i> , 2013 , 76, 393-399	10.6	72
36	The heat transfer performances and entropy generation analysis of hybrid nanofluids in a flattened tube. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 119, 813-827	4.9	67
35	Heat transfer and entropy generation analyses of nanofluids in helically coiled tube-in-tube heat exchangers. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 71, 118-125	5.8	51
34	Heat transfer and flow characteristics of conventional fluids and nanofluids in curved tubes: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 58, 1327-1347	16.2	46
33	The influence of hybrid nanofluids on the performances of elliptical tube: Recent research and numerical study. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 129, 132-143	4.9	43
32	Al ₂ O ₃ /TiO ₂ hybrid nanofluids thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 583-592	4.1	41
31	NanoRound: A benchmark study on the numerical approach in nanofluidsbsimulation. <i>International Communications in Heat and Mass Transfer</i> , 2019 , 108, 104292	5.8	40
30	The contact angle of nanofluids as thermophysical property. <i>Journal of Colloid and Interface Science</i> , 2019 , 547, 393-406	9.3	33
29	Numerical analysis of laminar flow heat transfer of nanofluids in a flattened tube. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 44, 52-57	5.8	32

28	Heat transfer capability of the hybrid nanofluids for heat transfer applications. <i>Journal of Molecular Liquids</i> , 2018 , 272, 857-870	6	30
27	Thermo-physical properties of water based SiC nanofluids for heat transfer applications. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 84, 94-101	5.8	26
26	Aerodynamic study of a generic car model with wheels and underbody diffuser. <i>International Journal of Automotive Technology</i> , 2017 , 18, 397-404	1.6	24
25	Highly magnetic Fe ₂ O ₃ nanoparticles synthesized by laser pyrolysis used for biological and heat transfer applications. <i>Applied Surface Science</i> , 2015 , 336, 297-303	6.7	23
24	Study of the thermal conductivity of hybrid nanofluids: Recent research and experimental study. <i>Powder Technology</i> , 2020 , 367, 347-357	5.2	22
23	Effect of Al ₂ O ₃ nanoparticles on laminar, transient and turbulent flow of isopropyl alcohol. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 130, 1032-1044	4.9	21
22	Thermo-physical properties of water based lanthanum oxide nanofluid. An experimental study. <i>Journal of Molecular Liquids</i> , 2019 , 287, 111013	6	17
21	The Cooling Performances Evaluation of Nanofluids in a Compact Heat Exchanger 2012 ,		14
20	Experimental study on viscosity of water based FeBi hybrid nanofluids. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114938	6	14
19	Experimental Study of Thermo-Physical Properties of Nanofluids Based on Fe ₂ O ₃ Nanoparticles for Heat Transfer Applications. <i>Heat Transfer Engineering</i> , 2017 , 38, 1496-1505	1.7	13
18	Study of aerodynamics for a simplified car model with the underbody shaped as a Venturi nozzle. <i>International Journal of Vehicle Design</i> , 2012 , 58, 15	2.4	12
17	A numerical approach on hybrid nanofluid behavior in laminar duct flow with various cross sections. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 2097-2110	4.1	9
16	On CFD Investigations of Vehicle Aerodynamics with Rotating Wheels Simulation 2006 ,		8
15	State of the Art of Heat Transfer of Heat Pipes and Thermosyphons Employing Nanofluids as Working Fluid. <i>Journal of Nanofluids</i> , 2019 , 8, 253-266	2.2	6
14	Heat Transfer Capability of Ionanofluids for Heat Transfer Applications. <i>International Journal of Thermophysics</i> , 2021 , 42, 1	2.1	6
13	Computational Study of Flow in the Underbody Diffuser for a Simplified Car Model 2010 ,		5
12	Study on Thermal Performances of the Heat Pipes with Water - Nanoparticles Mixture 2010 ,		5
11	CFD Study Concerning the Influence of the Underbody Components on Total Drag for a SUV 2009 ,		5

10	Numerical Flow Simulation for a Generic Vehicle Body on Wheels with Variable Underbody Diffuser 2012,		3
9	On the Aerodynamics of the Racing Cars 2008,		3
8	Numerical analysis of hybrid nanofluids as coolants for automotive applications. <i>International Journal of Heat and Technology</i> , 2017 , 35, S288-S292	2.2	3
7	Experimental study on contact angle of water based SiO ₂ nanofluid. <i>Journal of Molecular Liquids</i> , 2021 , 332, 115833	6	3
6	Aerodynamics of curved underbody diffusers using CFD. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 205, 104300	3.7	2
5	Water-Based Graphene Oxide-Silicon Hybrid Nanofluids-Experimental and Theoretical Approach.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
4	Influence of solid surface, temperature and concentration on contact angle of water-FeC nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 128, 105650	5.8	1
3	New synergy analysis of alternative refrigerants used in refrigerating transport. <i>International Journal of Low-Carbon Technologies</i> , 2008 , 3, 12-23	2.8	
2	Comparative Study on the Performances of Aerodynamic Devices Used in Decreasing of the Automobiles Lift Force 2017 , 48-54		
1	Computational Study Of Curved Underbody Diffusers. <i>E3S Web of Conferences</i> , 2019 , 128, 10002	0.5	