

# Angel Huminic

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Water-Based Graphene Oxide-Silicon Hybrid Nanofluids-Experimental and Theoretical Approach.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	2
44	Influence of solid surface, temperature and concentration on contact angle of water-FeC nanofluid. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 128, 105650	5.8	1
43	Experimental study on contact angle of water based SiO <sub>2</sub> nanofluid. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 332, 115833	6	3
42	Experimental study on viscosity of water based FeSi hybrid nanofluids. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 321, 114938	6	14
41	Heat Transfer Capability of Ionanofluids for Heat Transfer Applications. <i>International Journal of Thermophysics</i> , <b>2021</b> , 42, 1	2.1	6
40	Entropy generation of nanofluid and hybrid nanofluid flow in thermal systems: A review. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 302, 112533	6	112
39	Study of the thermal conductivity of hybrid nanofluids: Recent research and experimental study. <i>Powder Technology</i> , <b>2020</b> , 367, 347-357	5.2	22
38	A numerical approach on hybrid nanofluid behavior in laminar duct flow with various cross sections. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 2097-2110	4.1	9
37	Aerodynamics of curved underbody diffusers using CFD. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2020</b> , 205, 104300	3.7	2
36	Thermo-physical properties of water based lanthanum oxide nanofluid. An experimental study. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 287, 111013	6	17
35	The contact angle of nanofluids as thermophysical property. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 547, 393-406	9.3	33
34	NanoRound: A benchmark study on the numerical approach in nanofluids simulation. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 108, 104292	5.8	40
33	State of the Art of Heat Transfer of Heat Pipes and Thermosyphons Employing Nanofluids as Working Fluid. <i>Journal of Nanofluids</i> , <b>2019</b> , 8, 253-266	2.2	6
32	Computational Study Of Curved Underbody Diffusers. <i>E3S Web of Conferences</i> , <b>2019</b> , 128, 10002	0.5	
31	Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> hybrid nanofluids thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 137, 583-592	4.1	41
30	Effect of Al <sub>2</sub> O <sub>3</sub> nanoparticles on laminar, transient and turbulent flow of isopropyl alcohol. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 130, 1032-1044	4.9	21
29	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> , <b>2019</b> , 129, 132-143	4.9	43

28	Hybrid nanofluids for heat transfer applications [A state-of-the-art review. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 125, 82-103	4.9	206
27	The heat transfer performances and entropy generation analysis of hybrid nanofluids in a flattened tube. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 119, 813-827	4.9	67
26	Experimental study on thermal conductivity of stabilized Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> nanofluids and their hybrid. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 450-457	4.9	85
25	Heat transfer capability of the hybrid nanofluids for heat transfer applications. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 272, 857-870	6	30
24	Thermo-physical properties of water based SiC nanofluids for heat transfer applications. <i>International Communications in Heat and Mass Transfer</i> , <b>2017</b> , 84, 94-101	5.8	26
23	Aerodynamic study of a generic car model with wheels and underbody diffuser. <i>International Journal of Automotive Technology</i> , <b>2017</b> , 18, 397-404	1.6	24
22	Experimental Study of Thermo-Physical Properties of Nanofluids Based on Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Heat Transfer Applications. <i>Heat Transfer Engineering</i> , <b>2017</b> , 38, 1496-1505	1.7	13
21	Numerical analysis of hybrid nanofluids as coolants for automotive applications. <i>International Journal of Heat and Technology</i> , <b>2017</b> , 35, S288-S292	2.2	3
20	Comparative Study on the Performances of Aerodynamic Devices Used in Decreasing of the Automobiles Lift Force <b>2017</b> , 48-54		
19	Heat transfer and flow characteristics of conventional fluids and nanofluids in curved tubes: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 58, 1327-1347	16.2	46
18	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> , <b>2016</b> , 71, 118-125	5.8	51
17	Thermal conductivity, viscosity and surface tension of nanofluids based on FeC nanoparticles. <i>Powder Technology</i> , <b>2015</b> , 284, 78-84	5.2	87
16	Highly magnetic Fe <sub>2</sub> O <sub>3</sub> nanoparticles synthesized by laser pyrolysis used for biological and heat transfer applications. <i>Applied Surface Science</i> , <b>2015</b> , 336, 297-303	6.7	23
15	Numerical study on heat transfer characteristics of thermosyphon heat pipes using nanofluids. <i>Energy Conversion and Management</i> , <b>2013</b> , 76, 393-399	10.6	72
14	Numerical analysis of laminar flow heat transfer of nanofluids in a flattened tube. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 44, 52-57	5.8	32
13	Application of nanofluids in heat exchangers: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 5625-5638	16.2	324
12	Numerical Flow Simulation for a Generic Vehicle Body on Wheels with Variable Underbody Diffuser <b>2012</b> ,		3
11	The Cooling Performances Evaluation of Nanofluids in a Compact Heat Exchanger <b>2012</b> ,		14

10	Study of aerodynamics for a simplified car model with the underbody shaped as a Venturi nozzle. <i>International Journal of Vehicle Design</i> , <b>2012</b> , 58, 15	2.4	12
9	Heat transfer characteristics of a two-phase closed thermosyphons using nanofluids. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 550-557	3	94
8	Experimental study of the thermal performance of thermosyphon heat pipe using iron oxide nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , <b>2011</b> , 54, 656-661	4.9	114
7	Heat transfer characteristics in double tube helical heat exchangers using nanofluids. <i>International Journal of Heat and Mass Transfer</i> , <b>2011</b> , 54, 4280-4287	4.9	108
6	Computational Study of Flow in the Underbody Diffuser for a Simplified Car Model <b>2010</b> ,		5
5	Study on Thermal Performances of the Heat Pipes with Water - Nanoparticles Mixture <b>2010</b> ,		5
4	CFD Study Concerning the Influence of the Underbody Components on Total Drag for a SUV <b>2009</b> ,		5
3	New synergy analysis of alternative refrigerants used in refrigerating transport. <i>International Journal of Low-Carbon Technologies</i> , <b>2008</b> , 3, 12-23	2.8	
2	On the Aerodynamics of the Racing Cars <b>2008</b> ,		3
1	On CFD Investigations of Vehicle Aerodynamics with Rotating Wheels Simulation <b>2006</b> ,		8