

# Muhammad Khan

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

480  
citations

777949

13  
h-index

759306

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of dimple pitch on thermal-hydraulic performance of tubes enhanced with ellipsoidal and teardrop dimples. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101835.	2.8	18
2	Performance enhancement of latent energy storage system using effective designs of tubes and shell. <i>Energy Reports</i> , 2022, 8, 3856-3872.	2.5	29
3	Numerical Investigation of Thermal-Hydraulic Performance of U-Tubes Enhanced With Ellipsoidal 45° Dimples. <i>Journal of Heat Transfer</i> , 2022, 144, .	1.2	5
4	Melting performance enhancement of PCM based thermal energy storage system using multiple tubes and modified shell designs. <i>Journal of Energy Storage</i> , 2021, 33, 102161.	3.9	73
5	Passive Control of Vortex Shedding and Drag Reduction in Laminar Flow across Circular Cylinder Using Wavy Wall Channel. <i>Fluid Dynamics</i> , 2021, 56, 262-277.	0.2	0
6	Melting performance enhancement of a phase change material using branched fins and nanoparticles for energy storage applications. <i>Journal of Energy Storage</i> , 2021, 38, 102513.	3.9	58
7	A use case of exclusive economic zone of Pakistan for wave power potential estimation. <i>Ocean Engineering</i> , 2021, 237, 109664.	1.9	3
8	Performance enhancement of double-wall-heated rectangular latent thermal energy storage unit through effective design of fins. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101339.	2.8	13
9	Dominant roles of eccentricity, fin design, and nanoparticles in performance enhancement of latent thermal energy storage unit. <i>Journal of Energy Storage</i> , 2021, 43, 103181.	3.9	27
10	Heat Transfer Augmentation through Different Jet Impingement Techniques: A State-of-the-Art Review. <i>Energies</i> , 2021, 14, 6458.	1.6	16
11	Assessment of thermo-hydraulic performance of inward dimpled tubes with variation in angular orientations. <i>Applied Thermal Engineering</i> , 2020, 170, 115040.	3.0	25
12	Role of orientation of fins in performance enhancement of a latent thermal energy storage unit. <i>Applied Thermal Engineering</i> , 2020, 175, 115408.	3.0	58
13	Computational methodology for non-evaporating spray in quiescent chamber using Large Eddy Simulation. <i>International Journal of Multiphase Flow</i> , 2018, 102, 102-118.	1.6	3
14	Experimental characterization of gasoline sprays under highly evaporating conditions. <i>Heat and Mass Transfer</i> , 2018, 54, 1531-1543.	1.2	3
15	Numerical investigation of transient response of a coupled two-degrees-of-freedom symmetric airfoil before flutter. <i>International Journal of Aeroacoustics</i> , 2018, 17, 275-294.	0.8	4
16	Exergetic optimization and comparison of combined gas turbine supercritical CO2 power cycles. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, 044703.	0.8	20
17	Experimental characterization of high pressure gasoline direct injection sprays. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 2015-2022.	0.7	2
18	Numerical study of hydrogen peroxide thermal decomposition in a shock tube. <i>Journal of Thermal Science</i> , 2017, 26, 235-244.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical study of flash boiling in gasoline direct injection sprays. Applied Thermal Engineering, 2017, 123, 377-389.	3.0	43
20	Performance Investigation of Air Velocity Effects on PV Modules under Controlled Conditions. International Journal of Photoenergy, 2017, 2017, 1-10.	1.4	15
21	Air Entrainment in High Pressure Multihole Gasoline Direct Injection Sprays. Journal of Applied Fluid Mechanics, 2017, 10, 1223-1234.	0.4	10
22	Improvement in Power Efficiency of Injection Molding Machine by Reduction in Plasticization Losses. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2016, 6, 62-76.	0.3	1
23	Hydrodynamic description of a vibrofluidized granular bed driven at high frequency. EPJ Applied Physics, 2016, 75, 31101.	0.3	0
24	Identification and characterization of coherent structures in gasoline injector nozzle flow using proper orthogonal decomposition. Journal of Mechanical Science and Technology, 2016, 30, 3673-3680.	0.7	4
25	Large eddy simulation of a turbulent spray jet generated by high-pressure injection: impact of the in-nozzle flow. Journal of Turbulence, 2016, 17, 823-846.	0.5	7
26	Cycle Time Reduction in Injection Molding Process by Selection of Robust Cooling Channel Design. ISRN Mechanical Engineering, 2014, 2014, 1-8.	0.9	42