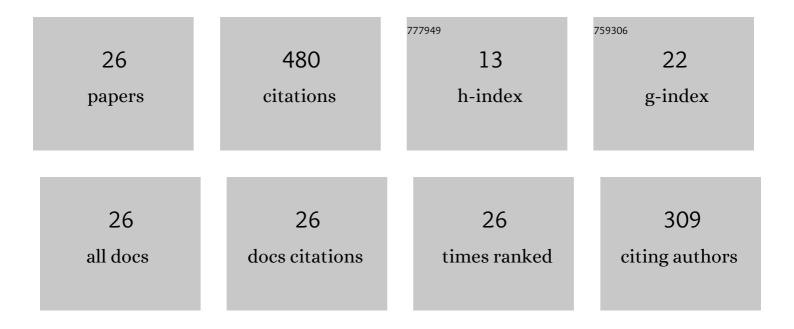
Muhammad Khan

List of Publications by Year in descending order

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МПНУМИЛО КНУМ

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

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#	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