

# Muhammad Khan

## List of Publications by Citations

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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.

25  
papers

177  
citations

8  
h-index

12  
g-index

26  
ext. papers

336  
ext. citations

3.5  
avg, IF

3.87  
L-index

#	Paper	IF	Citations
25	Experimental and numerical study of flash boiling in gasoline direct injection sprays. <i>Applied Thermal Engineering</i> , <b>2017</b> , 123, 377-389	5.8	35
24	Cycle Time Reduction in Injection Molding Process by Selection of Robust Cooling Channel Design. <i>ISRN Mechanical Engineering</i> , <b>2014</b> , 2014, 1-8		27
23	Melting performance enhancement of PCM based thermal energy storage system using multiple tubes and modified shell designs. <i>Journal of Energy Storage</i> , <b>2021</b> , 33, 102161	7.8	21
22	Melting performance enhancement of a phase change material using branched fins and nanoparticles for energy storage applications. <i>Journal of Energy Storage</i> , <b>2021</b> , 38, 102513	7.8	16
21	Exergetic optimization and comparison of combined gas turbine supercritical CO2 power cycles. <i>Journal of Renewable and Sustainable Energy</i> , <b>2018</b> , 10, 044703	2.5	14
20	Role of orientation of fins in performance enhancement of a latent thermal energy storage unit. <i>Applied Thermal Engineering</i> , <b>2020</b> , 175, 115408	5.8	12
19	Assessment of thermo-hydraulic performance of inward dimpled tubes with variation in angular orientations. <i>Applied Thermal Engineering</i> , <b>2020</b> , 170, 115040	5.8	11
18	Performance Investigation of Air Velocity Effects on PV Modules under Controlled Conditions. <i>International Journal of Photoenergy</i> , <b>2017</b> , 2017, 1-10	2.1	11
17	Large eddy simulation of a turbulent spray jet generated by high-pressure injection: impact of the in-nozzle flow. <i>Journal of Turbulence</i> , <b>2016</b> , 17, 823-846	2.1	6
16	Identification and characterization of coherent structures in gasoline injector nozzle flow using proper orthogonal decomposition. <i>Journal of Mechanical Science and Technology</i> , <b>2016</b> , 30, 3673-3680	1.6	4
15	Air Entrainment in High Pressure Multihole Gasoline Direct Injection Sprays. <i>Journal of Applied Fluid Mechanics</i> , <b>2017</b> , 10, 1223-1234	1.5	4
14	Heat Transfer Augmentation through Different Jet Impingement Techniques: A State-of-the-Art Review. <i>Energies</i> , <b>2021</b> , 14, 6458	3.1	4
13	Computational methodology for non-evaporating spray in quiescent chamber using Large Eddy Simulation. <i>International Journal of Multiphase Flow</i> , <b>2018</b> , 102, 102-118	3.6	3
12	Experimental characterization of high pressure gasoline direct injection sprays. <i>Journal of Mechanical Science and Technology</i> , <b>2017</b> , 31, 2015-2022	1.6	2
11	Experimental characterization of gasoline sprays under highly evaporating conditions. <i>Heat and Mass Transfer</i> , <b>2018</b> , 54, 1531-1543	2.2	2
10	Performance enhancement of double-wall-heated rectangular latent thermal energy storage unit through effective design of fins. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101339	5.6	2
9	Dominant roles of eccentricity, fin design, and nanoparticles in performance enhancement of latent thermal energy storage unit. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103181	7.8	2

8	Effect of dimple pitch on thermal-hydraulic performance of tubes enhanced with ellipsoidal and teardrop dimples. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 31, 101835	5.6	1
7	Improvement in Power Efficiency of Injection Molding Machine by Reduction in Plasticization Losses. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , <b>2016</b> , 6, 62-76	0.5	0
6	Numerical investigation of transient response of a coupled two-degrees-of-freedom symmetric airfoil before flutter. <i>International Journal of Aeroacoustics</i> , <b>2018</b> , 17, 275-294	2.1	0
5	A use case of exclusive economic zone of Pakistan for wave power potential estimation. <i>Ocean Engineering</i> , <b>2021</b> , 237, 109664	3.9	0
4	Performance enhancement of latent energy storage system using effective designs of tubes and shell. <i>Energy Reports</i> , <b>2022</b> , 8, 3856-3872	4.6	0
3	Numerical study of hydrogen peroxide thermal decomposition in a shock tube. <i>Journal of Thermal Science</i> , <b>2017</b> , 26, 235-244	1.9	
2	Passive Control of Vortex Shedding and Drag Reduction in Laminar Flow across Circular Cylinder Using Wavy Wall Channel. <i>Fluid Dynamics</i> , <b>2021</b> , 56, 262-277	0.7	
1	Hydrodynamic description of a vibrofluidized granular bed driven at high frequency. <i>EPJ Applied Physics</i> , <b>2016</b> , 75, 31101	1.1	