Rabijit Dutta

List of Publications by Year
in descending order

13 papers	**390** citations	1163117 **8** h-index	1281871 **11** g-index
13 all docs	**13** docs citations	**13** times ranked	**358** citing authors

#	Article	IF	Citations
1	Recent Trends in Computation of Turbulent Jet Impingement Heat Transfer. Heat Transfer Engineering, 2012, 33, 447-460.	1.9	137
2	Comparison of various integration to wall (ITW) RANS models for predicting turbulent slot jet impingement heat transfer. International Journal of Heat and Mass Transfer, 2013, 65, 750-764.	4.8	77
3	Use of computational fluid dynamics deposition modeling in respiratory drug delivery. Expert Opinion on Drug Delivery, 2019, 16, 7-26.	5.0	77
4	Five-equation and robust three-equation methods for solution verification of large eddy simulation. Journal of Hydrodynamics, 2018, 30, 23-33.	3.2	23
5	CFD Guided Optimization of Nose-to-Lung Aerosol Delivery in Adults: Effects of Inhalation Waveforms and Synchronized Aerosol Delivery. Pharmaceutical Research, 2020, 37, 199.	3.5	18
6	Large Eddy Simulation of Turbulent Slot Jet Impingement Heat Transfer at Small Nozzle-to-Plate Spacing. Heat Transfer Engineering, 2016, 37, 1242-1251.	1.9	16
7	LES of a Turbulent Slot Impinging Jet to Predict Fluid Flow and Heat Transfer. Numerical Heat Transfer; Part A: Applications, 2013, 64, 759-776.	2.1	15
8	CFD study of slot jet impingement heat transfer with nanofluids. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 206-220.	2.1	11
9	Monitoring Lung Mechanics during Mechanical Ventilation using Machine Learning Algorithms. , 2018, 2018, 1160-1163.		5
10	Comparison of flow and gas washout characteristics between pressure control and high-frequency percussive ventilation using a test lung. Physiological Measurement, 2018, 39, 035001.	2.1	4
11	Evaluation of turbulence models in rough-wall boundary layers for hydroelectric applications. International Journal of Fluid Machinery and Systems, 2017, 10, 227-239.	0.2	3
12	Comparison of pressure, volume and gas washout characteristics between PCV and HFPV in healthy and formalin fixed ex vivo porcine lungs. Physiological Measurement, 2018, 39, 095003.	2.1	2
13	QUANTITATIVE SOLUTION VERIFICATION OF LARGE EDDY SIMULATION OF CHANNEL FLOW. , 2017, , .		2