

Rabijit Dutta

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

390
citations

1162367

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1281420

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all docs

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docs citations

13
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	CFD Guided Optimization of Nose-to-Lung Aerosol Delivery in Adults: Effects of Inhalation Waveforms and Synchronized Aerosol Delivery. <i>Pharmaceutical Research</i> , 2020, 37, 199.	1.7	18
2	Use of computational fluid dynamics deposition modeling in respiratory drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 7-26.	2.4	77
3	Comparison of flow and gas washout characteristics between pressure control and high-frequency percussive ventilation using a test lung. <i>Physiological Measurement</i> , 2018, 39, 035001.	1.2	4
4	Five-equation and robust three-equation methods for solution verification of large eddy simulation. <i>Journal of Hydrodynamics</i> , 2018, 30, 23-33.	1.3	23
5	Comparison of pressure, volume and gas washout characteristics between PCV and HFPV in healthy and formalin fixed ex vivo porcine lungs. <i>Physiological Measurement</i> , 2018, 39, 095003.	1.2	2
6	Monitoring Lung Mechanics during Mechanical Ventilation using Machine Learning Algorithms. , 2018, 2018, 1160-1163.		5
7	QUANTITATIVE SOLUTION VERIFICATION OF LARGE EDDY SIMULATION OF CHANNEL FLOW. , 2017, , .		2
8	Evaluation of turbulence models in rough-wall boundary layers for hydroelectric applications. <i>International Journal of Fluid Machinery and Systems</i> , 2017, 10, 227-239.	0.5	3
9	CFD study of slot jet impingement heat transfer with nanofluids. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 206-220.	1.1	11
10	Large Eddy Simulation of Turbulent Slot Jet Impingement Heat Transfer at Small Nozzle-to-Plate Spacing. <i>Heat Transfer Engineering</i> , 2016, 37, 1242-1251.	1.2	16
11	LES of a Turbulent Slot Impinging Jet to Predict Fluid Flow and Heat Transfer. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013, 64, 759-776.	1.2	15
12	Comparison of various integration to wall (ITW) RANS models for predicting turbulent slot jet impingement heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2013, 65, 750-764.	2.5	77
13	Recent Trends in Computation of Turbulent Jet Impingement Heat Transfer. <i>Heat Transfer Engineering</i> , 2012, 33, 447-460.	1.2	137