# Rabijit Dutta

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5716608/publications.pdf

Version: 2024-02-01

| | | 1163117 | 1281871 |
|---|---|---|---|
| 13 | 390 | 8 | 11 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 13 | 13 | 13 | 358 |
| all docs | docs citations | times ranked | 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. Pharmaceutical Research, 2020, 37, 199. | 3.5 | 18 |
| 2 | Use of computational fluid dynamics deposition modeling in respiratory drug delivery. Expert Opinion on Drug Delivery, 2019, 16, 7-26. | 5.0 | 77 |
| 3 | 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 |
| 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 | 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 |
| 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. International Journal of Fluid Machinery and Systems, 2017, 10, 227-239. | 0.2 | 3 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Recent Trends in Computation of Turbulent Jet Impingement Heat Transfer. Heat Transfer Engineering, 2012, 33, 447-460. | 1.9 | 137 |