Vineet Rakesh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11454178/publications.pdf

Version: 2024-02-01

11	415	759233 12	1125743 13
papers	citations	h-index	g-index

15	15	15	581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A computational study of the respiratory airflow characteristics in normal and obstructed human airways. Computers in Biology and Medicine, 2014, 52, 130-143.	7.0	67
2	Transport in deformable hygroscopic porous media during microwave puffing. AICHE Journal, 2013, 59, 33-45.	3.6	36
3	Mathematical Modeling of the Heat-Shock Response in HeLa Cells. Biophysical Journal, 2015, 109, 182-193.	0.5	35
4	Patterns of gene expression associated with recovery and injury in heat-stressed rats. BMC Genomics, 2014, 15, 1058.	2.8	34
5	Assessing Airflow Sensitivity to Healthy and Diseased Lung Conditions in a Computational Fluid Dynamics Model Validated In Vitro. Journal of Biomechanical Engineering, 2018, 140, .	1.3	26
6	Individualized estimation of human core body temperature using noninvasive measurements. Journal of Applied Physiology, 2018, 124, 1387-1402.	2.5	25
7	Computational model predicts effective delivery of 188-Re-labeled melanin-binding antibody to metastatic melanoma tumors with wide range of melanin concentrations. Melanoma Research, 2007, 17, 291-303.	1.2	22
8	Simulation of Turbulent Airflow Using a CT Based Upper Airway Model of a Racehorse. Journal of Biomechanical Engineering, 2008, 130, 031011.	1.3	19
9	A 3-D mathematical model to identify organ-specific risks in rats during thermal stress. Journal of Applied Physiology, 2013, 115, 1822-1837.	2.5	19
10	Finite-Element Model of Interaction between Fungal Polysaccharide and Monoclonal Antibody in the Capsule of Cryptococcus neoformans. Journal of Physical Chemistry B, 2008, 112, 8514-8522.	2.6	15
11	A virtual rat for simulating environmental and exertional heat stress. Journal of Applied Physiology, 2014, 117, 1278-1286.	2.5	11