Nicolas W Chbat

List of Publications by Year
in descending order

9	163	1684188	1872680
papers	citations	5	6
		h-index	g-index

9	9	9	217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An integrated mathematical model of the human cardiopulmonary system: model development. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H899-H921.	3.2	83
2	Systems modeling and simulation applications for critical care medicine. Annals of Intensive Care, 2012, 2, 18.	4.6	32
3	An integrated mathematical model of the human cardiopulmonary system: model validation under hypercapnia and hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H922-H937.	3.2	22
4	Clinical Knowledge-Based Inference Model for Early Detection of Acute Lung Injury. Annals of Biomedical Engineering, 2012, 40, 1131-1141.	2.5	13
5	POWELL'S METHOD APPLIED TO LEARNING NEURAL CONTROL OF THREE UNKNOWN DYNAMIC SYSTEMS. Optimal Control Applications and Methods, 1995, 16, 251-262.	2.1	5
6	Alveolar Tissue Fiber and Surfactant Effects on Lung Mechanicsâ€"Model Development and Validation on ARDS and IPF Patients. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 44-54.	2.3	4
7	Patient emulator: A tool for testing mechanical ventilation therapies. , 2016, 2016, 4321-4324.		3
8	Simultaneous Parameter and Input Estimation of a Respiratory Mechanics Model. , 2017, , 235-247.		1
9	Heart-Lung Interactions During Mechanical Ventilation: Analysis via a Cardiopulmonary Simulation Model. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 324-341.	2.3	0