

# Nicolas W Chbat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6607647/publications.pdf>

Version: 2024-02-01

9  
papers

163  
citations

1684188

5  
h-index

1872680

6  
g-index

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all docs

9  
docs citations

9  
times ranked

217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alveolar Tissue Fiber and Surfactant Effects on Lung Mechanics 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
2	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
3	Simultaneous Parameter and Input Estimation of a Respiratory Mechanics Model. , 2017, , 235-247.		1
4	Patient emulator: A tool for testing mechanical ventilation therapies. , 2016, 2016, 4321-4324.		3
5	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
6	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
7	Systems modeling and simulation applications for critical care medicine. Annals of Intensive Care, 2012, 2, 18.	4.6	32
8	Clinical Knowledge-Based Inference Model for Early Detection of Acute Lung Injury. Annals of Biomedical Engineering, 2012, 40, 1131-1141.	2.5	13
9	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