Angela M Reynolds

List of Publications by Year
in descending order

15	589	1163117 8	1058476 14
papers	citations	h-index	g-index

18	18	18	574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mathematical modeling of ventilator-induced lung inflammation. Journal of Theoretical Biology, 2021, 526, 110738.	1.7	7
2	Aging Effects on Alveolar Sacs Under Mechanical Ventilation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 139-146.	3.6	8
3	Identifying important parameters in the inflammatory process with a mathematical model of immune cell influx and macrophage polarization. PLoS Computational Biology, 2019, 15, e1007172.	3.2	26
4	A mathematical model of the effects of resistance exercise-induced muscle hypertrophy on body composition. European Journal of Applied Physiology, 2018, 118, 449-460.	2.5	6
5	Quantification of Ageâ€Related Lung Tissue Mechanics under Mechanical Ventilation. Medical Sciences (Basel, Switzerland), 2017, 5, 21.	2.9	7
6	Aging effects on airflow dynamics and lung function in human bronchioles. PLoS ONE, 2017, 12, e0183654.	2.5	43
7	Modeling the effects of systemic mediators on the inflammatory phase of wound healing. Journal of Theoretical Biology, 2015, 367, 86-99.	1.7	17
8	A Mathematical Model of Hematopoietic Stem Cell Transplantation and Analysis of the Effect of Drug Treatments on Transplantation in Patients with Lymphoma. Blood, 2015, 126, 2376-2376.	1.4	0
9	Analysis for stress environment in the alveolar sac model. Journal of Biomedical Science and Engineering, 2013, 06, 901-907.	0.4	10
10	A Differential Equation Model of Collagen Accumulation in a Healing Wound. Bulletin of Mathematical Biology, 2012, 74, 2165-2182.	1.9	15
11	Cellular automata modeling of pulmonary inflammation. MCB Molecular and Cellular Biomechanics, 2012, 9, 141-56.	0.7	5
12	A mathematical model of pulmonary gas exchange under inflammatory stress. Journal of Theoretical Biology, 2010, 264, 161-173.	1.7	32
13	An in silico approach to the analysis of acute wound healing. Wound Repair and Regeneration, 2010, 18, 105-113.	3.0	26
14	A reduced mathematical model of the acute inflammatory response II. Capturing scenarios of repeated endotoxin administration. Journal of Theoretical Biology, 2006, 242, 237-256.	1.7	148
15	A reduced mathematical model of the acute inflammatory response: I. Derivation of model and analysis of anti-inflammation. Journal of Theoretical Biology, 2006, 242, 220-236.	1.7	238