

Stephen Dubsky

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

402
citations

933447

10
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

427
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchrotron-based dynamic computed tomography of tissue motion for regional lung function measurement. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2213-2224.	3.4	80
2	Altered Lung Motion is a Sensitive Indicator of Regional Lung Disease. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1160-1169.	2.5	56
3	Quantification of heterogeneity in lung disease with image-based pulmonary function testing. <i>Scientific Reports</i> , 2016, 6, 29438.	3.3	50
4	X-ray Velocimetry and Haemodynamic Forces Within a Stenosed Femoral Model at Physiological Flow Rates. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1643-1653.	2.5	27
5	Imaging regional lung function: A critical tool for developing inhaled antimicrobial therapies. <i>Advanced Drug Delivery Reviews</i> , 2015, 85, 100-109.	13.7	24
6	The Link between Regional Tidal Stretch and Lung Injury during Mechanical Ventilation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 569-577.	2.9	24
7	Kinematics of soil arching in piled embankments. <i>Geotechnique</i> , 2019, 69, 941-958.	4.0	22
8	Real-time in vivo imaging of regional lung function in a mouse model of cystic fibrosis on a laboratory X-ray source. <i>Scientific Reports</i> , 2020, 10, 447.	3.3	20
9	Vector tomographic X-ray phase contrast velocimetry utilizing dynamic blood speckle. <i>Optics Express</i> , 2010, 18, 2368.	3.4	17
10	Technical Note: Contrast free angiography of the pulmonary vasculature in live mice using a laboratory X-ray source. <i>Medical Physics</i> , 2016, 43, 6017-6023.	3.0	11
11	Measurement of three-dimensional displacement field in piled embankments using synchrotron X-ray tomography. <i>Canadian Geotechnical Journal</i> , 2019, 56, 885-892.	2.8	11
12	Functional Lung Imaging during HFV in Preterm Rabbits. <i>PLoS ONE</i> , 2012, 7, e48122.	2.5	10
13	Cardiogenic Airflow in the Lung Revealed Using Synchrotron-Based Dynamic Lung Imaging. <i>Scientific Reports</i> , 2018, 8, 4930.	3.3	10
14	Interaction between regional lung volumes and ventilator-induced lung injury in the normal and endotoxemic lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L494-L499.	2.9	9
15	Imaging lung tissue oscillations using high-speed X-ray velocimetry. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 324-330.	2.4	7
16	The proteomic response is linked to regional lung volumes in ventilator-induced lung injury. <i>Journal of Applied Physiology</i> , 2020, 129, 837-845.	2.5	6
17	Quantification of muco-obstructive lung disease variability in mice via laboratory X-ray velocimetry. <i>Scientific Reports</i> , 2020, 10, 10859.	3.3	5
18	Application of a novel in vivo imaging approach to measure pulmonary vascular responses in mice. <i>Physiological Reports</i> , 2018, 6, e13875.	1.7	4

#	ARTICLE	IF	CITATIONS
19	in vivo tomographic velocimetry of the lung for the detailed study of lung disease and its treatments. Proceedings of SPIE, 2012, , .	0.8	3
20	The association between regional transcriptome profiles and lung volumes in response to mechanical ventilation and lung injury. Respiratory Research, 2022, 23, 35.	3.6	3
21	Mapping cardiogenic oscillations using synchrotron-based phase contrast CT imaging. , 2012, , .		2
22	Synchrotron-Based Dynamic Lung Imaging. , 2021, , 359-371.		0
23	Kinematics of Piled Embankments with Defective Piles. Springer Series in Geomechanics and Geoengineering, 2018, , 1682-1686.	0.1	0