

# Erzsebet or Elizabeth Bartolak-Suki

## List of Publications by Year in descending order

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15  
papers

363  
citations

1170033

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1113639

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docs citations

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times ranked

755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechano-inflammatory sensitivity of ACE2: Implications for the regional distribution of SARS-CoV-2 injury in the lung. <i>Respiratory Physiology and Neurobiology</i> , 2022, 296, 103804.	0.7	3
2	Stabilizing breathing pattern using local mechanical vibrations: comparison of deterministic and stochastic stimulations in rodent models of apnea of prematurity. <i>Biomedical Engineering Letters</i> , 2021, 11, 383-392.	2.1	1
3	Tuning mitochondrial structure and function to criticality by fluctuation-driven mechanotransduction. <i>Scientific Reports</i> , 2020, 10, 407.	1.6	23
4	Evaluation of 1â€mmdiameter endothelialized dense collagen tubes in vascular microsurgery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2441-2449.	1.6	9
5	Blood pressure-induced physiological strain variability modulates wall structure and function in aorta rings. <i>Physiological Measurement</i> , 2018, 39, 105014.	1.2	9
6	The effect of mechanical or electrical stimulation on apnea length in mice. <i>Biomedical Engineering Letters</i> , 2018, 8, 329-335.	2.1	2
7	Elastase-Induced Lung Emphysema Models in Mice. <i>Methods in Molecular Biology</i> , 2017, 1639, 67-75.	0.4	32
8	A microfluidic chamber-based approach to map the shear moduli of vascular cells and other soft materials. <i>Scientific Reports</i> , 2017, 7, 2305.	1.6	6
9	Regulation of Mitochondrial Structure and Dynamics by the Cytoskeleton and Mechanical Factors. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1812.	1.8	132
10	Mechanical Forces Accelerate Collagen Digestion by Bacterial Collagenase in Lung Tissue Strips. <i>Frontiers in Physiology</i> , 2016, 7, 287.	1.3	29
11	Regulatory Roles of Fluctuation-Driven Mechanotransduction in Cell Function. <i>Physiology</i> , 2016, 31, 346-358.	1.6	21
12	Homeostatic maintenance via degradation and repair of elastic fibers under tension. <i>Scientific Reports</i> , 2016, 6, 27474.	1.6	10
13	Changes in respiratory elastance after deep inspirations reflect surface film functionality in mice with acute lung injury. <i>Journal of Applied Physiology</i> , 2015, 119, 258-265.	1.2	6
14	Scale dependence of structure-function relationship in the emphysematous mouse lung. <i>Frontiers in Physiology</i> , 2015, 6, 146.	1.3	20
15	Fluctuation-driven mechanotransduction regulates mitochondrial-network structure and function. <i>Nature Materials</i> , 2015, 14, 1049-1057.	13.3	60