Sing-Wan Wong

List of Publications by Year
in descending order

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16 papers	427 citations	840776 11 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	614 citing authors

#	Article	IF	Citations
1	Inhibition of aberrant tissue remodelling by mesenchymal stromal cells singly coated with soft gels presenting defined chemomechanical cues. Nature Biomedical Engineering, 2022, 6, 54-66.	22.5	24
2	Nanoparticle targeting of de novo profibrotic macrophages mitigates lung fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121098119.	7.1	33
3	Matrix biophysical cues direct mesenchymal stromal cell functions in immunity. Acta Biomaterialia, 2021, 133, 126-138.	8.3	16
4	Cellâ€“Matrix Interactions Regulate Functional Extracellular Vesicle Secretion from Mesenchymal Stromal Cells. ACS Nano, 2021, 15, 17439-17452.	14.6	20
5	Hydrogel Micropost Arrays with Single Post Tunability to Study Cell Volume and Mechanotransduction. Advanced Biology, 2020, 4, e2000012.	3.0	11
6	Controlled Deposition of 3D Matrices to Direct Single Cell Functions. Advanced Science, 2020, 7, 2001066.	11.2	19
7	Soft extracellular matrix enhances inflammatory activation of mesenchymal stromal cells to induce monocyte production and trafficking. Science Advances, 2020, 6, eaaw0158.	10.3	73
8	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15392-15397.	7.1	124
9	Perspective: Biophysical regulation of cancerous and normal blood cell lineages in hematopoietic malignancies. APL Bioengineering, 2018, 2, 031802.	6.2	12
10	Intermittent vibration protects aged muscle from mechanical and oxidative damage under prolonged compression. Journal of Biomechanics, 2017, 55, 113-120.	2.1	8
11	Preventive Effects of Poloxamer 188 on Muscle Cell Damage Mechanics Under Oxidative Stress. Annals of Biomedical Engineering, 2017, 45, 1083-1092.	2.5	7
12	Change in viability of C2C12 myoblasts under compression, shear and oxidative challenges. Journal of Biomechanics, 2016, 49, 1305-1310.	2.1	11
13	The Effects of Oxidative Stress on the Compressive Damage Thresholds of C2C12 Mouse Myoblasts: Implications for Deep Tissue Injury. Annals of Biomedical Engineering, 2015, 43, 287-296.	2.5	14
14	H2O2 Exposure Affects Myotube Stiffness and Actin Filament Polymerization. Annals of Biomedical Engineering, 2015, 43, 1178-1188.	2.5	15
15	Impact of oxidative stress on cellular biomechanics and rho signaling in C2C12 myoblasts. Journal of Biomechanics, 2014, 47, 3650-3656.	2.1	24
16	Promyelocytic Leukemia (PML) Protein Plays Important Roles in Regulating Cell Adhesion, Morphology, Proliferation and Migration. PLoS ONE, 2013, 8, e59477.	2.5	16