Chan Young Park

List of Publications by Year
in descending order

27	2,562	471509 17	580821 25
papers	citations	h-index	g-index

33	33	33	2980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nuclear lamin isoforms differentially contribute to LINC complex-dependent nucleocytoskeletal coupling and whole-cell mechanics. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121816119.	7.1	33
2	Tumorigenic mesenchymal clusters are less sensitive to moderate osmotic stresses due to low amounts of junctional E-cadherin. Scientific Reports, 2021, 11, 16279.	3.3	19
3	Airway smooth muscle tone increases actin filamentogenesis and contractile capacity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L442-L451.	2.9	8
4	Epithelial layer unjamming shifts energy metabolism toward glycolysis. Scientific Reports, 2020, 10, 18302.	3.3	30
5	A novel method to make viscoelastic polyacrylamide gels for cell culture and traction force microscopy. APL Bioengineering, 2020, 4, 036104.	6.2	36
6	Anti-fibrotic effects of tannic acid through regulation of a sustained TGF-beta receptor signaling. Respiratory Research, 2019, 20, 168.	3.6	15
7	Traction Microscopy Integrated with Microfluidics for Chemotactic Collective Migration. Journal of Visualized Experiments, 2019, , .	0.3	1
8	Probe Sensitivity to Cortical versus Intracellular Cytoskeletal Network Stiffness. Biophysical Journal, 2019, 116, 518-529.	0.5	46
9	Traction microscopy with integrated microfluidics: responses of the multi-cellular island to gradients of HGF. Lab on A Chip, 2019, 19, 1579-1588.	6.0	11
10	Soft Hyaluronic Gels Promote Cell Spreading, Stress Fibers, Focal Adhesion, and Membrane Tension by Phosphoinositide Signaling, Not Traction Force. ACS Nano, 2019, 13, 203-214.	14.6	56
11	The tumor suppressor p53 can promote collective cellular migration. PLoS ONE, 2019, 14, e0202065.	2.5	12
12	Contact guidance and collective migration in the advancing epithelial monolayer. Connective Tissue Research, 2018, 59, 309-315.	2.3	11
13	Homogenizing cellular tension by hepatocyte growth factor in expanding epithelial monolayer. Scientific Reports, 2017, 7, 45844.	3.3	20
14	Non-equilibrium cytoquake dynamics in cytoskeletal remodeling and stabilization. Soft Matter, 2016, 12, 8506-8511.	2.7	17
15	Compressive Stress Causes an Unjamming Transition and an Epithelialâ€"Mesenchymal Transition in the Airway Epithelium in Asthma. Annals of the American Thoracic Society, 2016, 13, S102-S102.	3.2	5
16	High-throughput screening for modulators of cellular contractile force. Integrative Biology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	60
17	Unjamming and cell shape in the asthmatic airwayÂepithelium. Nature Materials, 2015, 14, 1040-1048.	27.5	484
18	PS2-9 Integration of microfluidic chips with cellular traction measuring systems for studying differential collective cell migration(PS2: Poster Short Presentation II,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 251.	0.0	0

#	Article	IF	Citations
19	Assessing the impact of engineered nanoparticles on wound healing using a novel in vitro bioassay. Nanomedicine, 2014, 9, 2803-2815.	3.3	38
20	Collective migration and cell jamming. Differentiation, 2013, 86, 121-125.	1.9	202
21	Propulsion and navigation within the advancing monolayer sheet. Nature Materials, 2013, 12, 856-863.	27.5	161
22	Monolayer Stress Microscopy: Limitations, Artifacts, and Accuracy of Recovered Intercellular Stresses. PLoS ONE, 2013, 8, e55172.	2.5	156
23	Navigation within the cellular monolayer. FASEB Journal, 2013, 27, 1217.18.	0.5	0
24	Collective cell guidance by cooperative intercellular forces. Nature Materials, 2011, 10, 469-475.	27.5	781
25	Mapping the cytoskeletal prestress. American Journal of Physiology - Cell Physiology, 2010, 298, C1245-C1252.	4.6	66
26	Mechanosensing of substrate thickness. Physical Review E, 2010, 82, 041918.	2.1	58
27	Reinforcement versus Fluidization in Cytoskeletal Mechanoresponsiveness. PLoS ONE, 2009, 4, e5486.	2.5	232