Shinuo Weng

List of Publications by Year
in descending order

19	1,559	687363 13	940533 16
papers	citations	h-index	g-index

22	22	22	2991
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanotopography Influences Adhesion, Spreading, and Self-Renewal of Human Embryonic Stem Cells. ACS Nano, 2012, 6, 4094-4103.	14.6	353
2	Hippo/YAP-mediated rigidity-dependent motor neuron differentiation of human pluripotent stemÂcells. Nature Materials, 2014, 13, 599-604.	27.5	238
3	Nanoroughened Surfaces for Efficient Capture of Circulating Tumor Cells without Using Capture Antibodies. ACS Nano, 2013, 7, 566-575.	14.6	220
4	Mechanics-guided embryonic patterning of neuroectoderm tissue from human pluripotent stem cells. Nature Materials, 2018, 17, 633-641.	27.5	174
5	A silicone-based stretchable micropost array membrane for monitoring live-cell subcellular cytoskeletal response. Lab on A Chip, 2012, 12, 731-740.	6.0	89
6	Mechanosensitive subcellular rheostasis drives emergent single-cell mechanicalÂhomeostasis. Nature Materials, 2016, 15, 961-967.	27.5	77
7	Synergistic regulation of cell function by matrix rigidity and adhesive pattern. Biomaterials, 2011, 32, 9584-9593.	11.4	75
8	Effects of substrate stiffness and actomyosin contractility on coupling between force transmission and vinculinâ€“paxillin recruitment at single focal adhesions. Molecular Biology of the Cell, 2017, 28, 1901-1911.	2.1	74
9	Live-cell subcellular measurement of cell stiffness using a microengineered stretchable micropost array membrane. Integrative Biology (United Kingdom), 2012, 4, 1289.	1.3	56
10	Age-Associated Increase in Skin Fibroblastâ€“Derived Prostaglandin E 2 Contributes to Reduced Collagen Levels in Elderly Human Skin. Journal of Investigative Dermatology, 2015, 135, 2181-2188.	0.7	51
11	Nanotopography regulates motor neuron differentiation of human pluripotent stem cells. Nanoscale, 2018, 10, 3556-3565.	5.6	38
12	Desktop aligner for fabrication of multilayer microfluidic devices. Review of Scientific Instruments, 2015, 86, 075008.	1.3	37
13	Mechanical heterogeneity along single cell-cell junctions is driven by lateral clustering of cadherins during vertebrate axis elongation. ELife, 2021, 10, .	6.0	34
14	Convergent extension requires adhesion-dependent biomechanical integration of cell crawling and junction contraction. Cell Reports, 2022, 39, 110666.	6.4	17
15	Microengineered synthetic cellular microenvironment for stem cells. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 414-427.	6.1	11
16	ARVCF catenin controls force production during vertebrate convergent extension. Developmental Cell, 2022, 57, 1119-1131.e5.	7.0	8
17	Stretchable micropost array cytometry: a powerful tool for cell mechanics and mechanobiology research. , 0, , 32-46.		0
18	Cell Adhesions Link Subcellular Actomyosin Dynamics to Tissue Scale Force Production During Vertebrate Convergent Extension. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	Citations
19	Nanotopography Directs Fate of Human Embryonic Stem Cells. , 2012, , .		0