

Shinuo Weng

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,559
citations

687363

13
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

2991
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Cell Adhesions Link Subcellular Actomyosin Dynamics to Tissue Scale Force Production During Vertebrate Convergent Extension. SSRN Electronic Journal, 0, , .	0.4	0