

Jing Xie

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

821
citations

932766

10
h-index

940134

16
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17
all docs

17
docs citations

17
times ranked

1494
citing authors

#	ARTICLE	IF	CITATIONS
1	3D microniches reveal the importance of cell size and shape. Nature Communications, 2017, 8, 1962.	5.8	145
2	Osteogenic differentiation and bone regeneration of iPSC-MSCs supported by a biomimetic nanofibrous scaffold. Acta Biomaterialia, 2016, 29, 365-379.	4.1	126
3	Collagen Gels with Different Fibrillar Microarchitectures Elicit Different Cellular Responses. ACS Applied Materials & Interfaces, 2017, 9, 19630-19637.	4.0	120
4	Engineering aligned electrospun PLLA microfibers with nano-porous surface nanotopography for modulating the responses of vascular smooth muscle cells. Journal of Materials Chemistry B, 2015, 3, 4439-4450.	2.9	99
5	Recent Advances in Engineering the Stem Cell Niche in 3D. Advanced Science, 2018, 5, 1800448.	5.6	83
6	Cellular Volume and Matrix Stiffness Direct Stem Cell Behavior in a 3D Niche. ACS Applied Materials & Interfaces, 2019, 11, 1754-1759.	4.0	66
7	Highly aligned core-shell structured nanofibers for promoting phenotypic expression of vSMCs for vascular regeneration. Nanoscale, 2016, 8, 16307-16322.	2.8	62
8	Energy expenditure during cell spreading influences the cellular response to matrix stiffness. Biomaterials, 2021, 267, 120494.	5.7	38
9	Fabrication of 3D Tubular Hydrogel Materials through On-Site Surface Free Radical Polymerization. Chemistry of Materials, 2018, 30, 6756-6768.	3.2	32
10	Growth factors have a protective effect on neomycin-induced hair cell loss. Cell Biology International, 2015, 39, 65-73.	1.4	11
11	Microfabricated Gaps Reveal the Effect of Geometrical Control in Wound Healing. Advanced Healthcare Materials, 2021, 10, 2000630.	3.9	10
12	Biomineralization and osteogenic differentiation modulated by substrate stiffness. European Polymer Journal, 2020, 122, 109395.	2.6	9
13	Comparing the cultivated cochlear cells derived from neonatal and adult mouse. Journal of Translational Medicine, 2014, 12, 150.	1.8	7
14	Electrospun nanofibers of hydroxyapatite/collagen/chitosan promote osteogenic differentiation of the induced pluripotent stem cell-derived mesenchymal stem cells. Journal of Controlled Release, 2015, 213, e53.	4.8	6
15	Comparison of sphere-forming capabilities of the cochlear stem cells derived from apical, middle and basal turns of murine organ of Corti. Neuroscience Letters, 2014, 579, 1-6.	1.0	4
16	The Effect of Geometry and TGF β Signaling on Tumor Cell Migration from Free-Standing Microtissues. Advanced Healthcare Materials, 2022, 11, e2102696.	3.9	3