Yong Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

36	1,997	394286 19	395590 33
papers	citations	h-index	g-index

36	36	36	3753
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dimensionality-Dependent Mechanical Stretch Regulation of Cell Behavior. ACS Applied Materials & Interfaces, 2022, 14, 17081-17092.	4.0	8
2	Piezo1 plays a role in optic nerve head astrocyte reactivity. Experimental Eye Research, 2021, 204, 108445.	1.2	13
3	Biomechanical properties of acellular scar ECM during the acute to chronic stages of myocardial infarction. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 116, 104342.	1.5	10
4	Bioengineering Systems for Modulating Notch Signaling in Cardiovascular Development, Disease, and Regeneration. Journal of Cardiovascular Development and Disease, 2021, 8, 125.	0.8	5
5	Microphysiological Systems: Design, Fabrication, and Applications. ACS Biomaterials Science and Engineering, 2020, 6, 3231-3257.	2.6	32
6	In-vitro biomineralization and biocompatibility of friction stir additively manufactured AZ31B magnesium alloy-hydroxyapatite composites. Bioactive Materials, 2020, 5, 891-901.	8.6	51
7	Substrate Stiffness-Dependent Carbon Nanotube-Induced Lung Fibrogenesis. Nano Letters, 2019, 19, 5443-5451.	4.5	17
8	Enhanced cytocompatibility and antibacterial property of zinc phosphate coating on biodegradable zinc materials. Acta Biomaterialia, 2019, 98, 174-185.	4.1	148
9	Microfluidic platforms with nanoscale features. , 2019, , 65-90.		3
10	Predicting Nanotube Fibrogenicity through Stem Cell-Mediated Fibroblast Focus and Spheroid Formation. Nano Letters, 2018, 18, 6500-6508.	4.5	10
11	Carbon nanotubes induced fibrogenesis on nanostructured substrates. Environmental Science: Nano, 2017, 4, 689-699.	2.2	23
12	Biophysical Regulation of Cell Behaviorâ€"Cross Talk between Substrate Stiffness and Nanotopography. Engineering, 2017, 3, 36-54.	3.2	193
13	Mesothelin promotes epithelial-to-mesenchymal transition and tumorigenicity of human lung cancer and mesothelioma cells. Molecular Cancer, 2017, 16, 63.	7.9	79
14	Decellularization Strategies for Regenerative Medicine: From Processing Techniques to Applications. BioMed Research International, 2017, 2017, 1-13.	0.9	487
15	Potential Toxicity and Underlying Mechanisms Associated with Pulmonary Exposure to Iron Oxide Nanoparticles: Conflicting Literature and Unclear Risk. Nanomaterials, 2017, 7, 307.	1.9	56
16	Nanotopography promoted neuronal differentiation of human induced pluripotent stem cells. Colloids and Surfaces B: Biointerfaces, 2016, 148, 49-58.	2.5	111
17	Adhesion-based tumor cell capture using nanotopography. Colloids and Surfaces B: Biointerfaces, 2016, 147, 291-299.	2.5	19
18	Expanding Nanopatterned Substrates Using Stitch Technique for Nanotopographical Modulation of Cell Behavior. Journal of Visualized Experiments, 2016, , .	0.2	3

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19	Nanotopographical Modulation of Cell Function through Nuclear Deformation. ACS Applied Materials & Interfaces, 2016, 8, 5082-5092.	4.0	88
20	Three-Dimensional Microfluidic Tri-Culture Model of the Bone Marrow Microenvironment for Study of Acute Lymphoblastic Leukemia. PLoS ONE, 2015, 10, e0140506.	1.1	85
21	Nanotopography Alters Nuclear Protein Expression, Proliferation and Differentiation of Human Mesenchymal Stem/Stromal Cells. PLoS ONE, 2014, 9, e114698.	1.1	28
22	Luciferase reporter cells as a platform to detect SMAD-dependent collagen production. Journal of Bioscience and Bioengineering, 2014, 118, 732-735.	1.1	1
23	Induction of Stemlike Cells with Fibrogenic Properties by Carbon Nanotubes and Its Role in Fibrogenesis. Nano Letters, 2014, 14, 3110-3116.	4.5	21
24	Microfluidic Cell Culture Platforms with Embedded Nanoscale Features. , 2013, , 3-26.		4
25	NANOTOPOGRAPHICAL MODULATION OF CELL PHENOTYPE AND FUNCTION. Nano LIFE, 2013, 03, 1340003.	0.6	1
26	Effects of Topographical and Mechanical Property Alterations Induced by Oxygen Plasma Modification on Stem Cell Behavior. ACS Nano, 2012, 6, 8591-8598.	7.3	86
27	Nanotopography as modulator of human mesenchymal stem cell function. Biomaterials, 2012, 33, 4998-5003.	5.7	133
28	Engineering of a microfluidic cell culture platform embedded with nanoscale features. Lab on A Chip, 2011, 11, 1638.	3.1	61
29	Nanoscale surfacing for regenerative medicine. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 478-495.	3.3	58
30	Low Oxygen Tension and Synthetic Nanogratings Improve the Uniformity and Stemness of Human Mesenchymal Stem Cell Layer. Molecular Therapy, 2010, 18, 1010-1018.	3.7	43
31	Bioassembly of threeâ€dimensional embryonic stem cellâ€scaffold complexes using compressed gases. Biotechnology Progress, 2009, 25, 535-542.	1.3	6
32	Analysis of polystyrene surface properties on thin film bonding under carbon dioxide pressure using nanoparticle embedding technique. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1535-1542.	2.4	11
33	Low-Pressure Carbon Dioxide Enhanced Polymer Chain Mobility below the Bulk Glass Transition Temperature. Macromolecules, 2007, 40, 1108-1111.	2.2	19
34	Assembly of Three-Dimensional Polymeric Constructs Containing Cells/Biomolecules Using Carbon Dioxide. Journal of the American Chemical Society, 2006, 128, 14040-14041.	6.6	16
35	Fabrication of well-defined PLGA scaffolds using novel microembossing and carbon dioxide bonding. Biomaterials, 2005, 26, 2585-2594.	5.7	68
36	Subcritical CO2 Assisted Polymer Surface Engineering at Low Temperatures. Materials Research Society Symposia Proceedings, 2004, 843, 2101.	0.1	0