Mintai P Hwang

List of Publications by Year
in descending order

35 papers	1,094 citations	361413 20 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	2203 citing authors

#	Article	IF	Citations
1	Single injection of IL-12 coacervate as an effective therapy against B16-F10 melanoma in mice. Journal of Controlled Release, 2020, 318, 270-278.	9.9	30
2	Stretchable ECM Patch Enhances Stem Cell Delivery for Postâ€MI Cardiovascular Repair. Advanced Healthcare Materials, 2019, 8, e1900593.	7.6	24
3	Enhanced Detection of Infectious Pancreatic Necrosis Virus via Lateral Flow Chip and Fluorometric Biosensors Based on Self-Assembled Protein Nanoprobes. ACS Sensors, 2019, 4, 2937-2944.	7.8	22
4	Influence of fiber architecture and growth factor formulation on osteoblastic differentiation of mesenchymal stem cells in coacervate-coated electrospun fibrous scaffolds. Journal of Industrial and Engineering Chemistry, 2019, 79, 236-244.	5.8	16
5	Scale-up synthesis of a polymer designed for protein therapy. European Polymer Journal, 2019, 117, 353-362.	5.4	4
6	Coacervate-mediated exogenous growth factor delivery for scarless skin regeneration. Acta Biomaterialia, 2019, 90, 179-191.	8.3	56
7	A biocompatible betaine-functionalized polycation for coacervation. Soft Matter, 2018, 14, 387-395.	2.7	9
8	Enhanced Skull Bone Regeneration by Sustained Release of BMP-2 in Interpenetrating Composite Hydrogels. Biomacromolecules, 2018, 19, 4239-4249.	5.4	34
9	A single injection of protein-loaded coacervate-gel significantly improves cardiac function post infarction. Biomaterials, 2017, 125, 65-80.	11.4	61
10	Sensitive detection of copper ions via ion-responsive fluorescence quenching of engineered porous silicon nanoparticles. Scientific Reports, 2016, 6, 35565.	3.3	22
11	Tunable Crosslinked Cell-Derived Extracellular Matrix Guides Cell Fate. Macromolecular Bioscience, 2016, 16, 1723-1734.	4.1	32
12	Approximating bone ECM: Crosslinking directs individual and coupled osteoblast/osteoclast behavior. Biomaterials, 2016, 103, 22-32.	11.4	28
13	An Environmentally-Conscious Approach to the Synthesis and Separation of Ultrasmall Si Nanoparticles. Journal of Nanoscience and Nanotechnology, 2016, 16, 7091-7095.	0.9	0
14	Towards comprehensive cardiac repair and regeneration after myocardial infarction: Aspects to consider and proteins to deliver. Biomaterials, 2016, 82, 94-112.	11.4	64
15	Investigation of the changes of biophysical/mechanical characteristics of differentiating preosteoblasts in vitro. Biomaterials Research, 2015, 19, 24.	6.9	11
16	Osteogenic/Angiogenic Dual Growth Factor Delivery Microcapsules for Regeneration of Vascularized Bone Tissue. Advanced Healthcare Materials, 2015, 4, 1982-1992.	7.6	88
17	Magnesium Corrosion Triggered Spontaneous Generation of H₂O₂ on Oxidized Titanium for Promoting Angiogenesis. Angewandte Chemie - International Edition, 2015, 54, 14753-14757.	13.8	22
18	A novel nanoprobe for the sensitive detection of Francisella tularensis. Journal of Hazardous Materials, 2015, 298, 188-194.	12.4	10

#	Article	IF	Citations
19	Bioactive cell-derived matrices combined with polymer mesh scaffold for osteogenesis and bone healing. Biomaterials, 2015, 50, 75-86.	11.4	119
20	Mass spectrometry-based N-linked glycomic profiling as a means for tracking pancreatic cancer metastasis. Carbohydrate Research, 2015, 413, 5-11.	2.3	45
21	A glimpse into the interactions of cells in a microenvironment: the modulation of T cells by mesenchymal stem cells. International Journal of Nanomedicine, 2014, 9 Suppl 1, 127.	6.7	6
22	Antibacterial activity and cytotoxicity of multi-walled carbon nanotubes decorated with silver nanoparticles. International Journal of Nanomedicine, 2014, 9, 4621.	6.7	61
23	Dual growth factor-loaded core-shell polymer microcapsules can promote osteogenesis and angiogenesis. Macromolecular Research, 2014, 22, 1320-1329.	2.4	15
24	A systematic in-vivo toxicity evaluation of nanophosphor particles via zebrafish models. Biomaterials, 2014, 35, 440-449.	11.4	61
25	Fibronectin-tethered graphene oxide as an artificial matrix for osteogenesis. Biomedical Materials (Bristol), 2014, 9, 065003.	3.3	34
26	Fibroblast-derived matrix (FDM) as a novel vascular endothelial growth factor delivery platform. Journal of Controlled Release, 2014, 194, 122-129.	9.9	16
27	Multi-lineage differentiation of human mesenchymal stromal cells on the biophysical microenvironment of cell-derived matrix. Cell and Tissue Research, 2014, 357, 781-792.	2.9	21
28	Electrochemical Synthesis of Red Fluorescent Silicon Nanoparticles. Bulletin of the Korean Chemical Society, 2014, 35, 35-38.	1.9	9
29	The solvothermal synthesis of magnetic iron oxide nanocrystals and the preparation of hybrid poly(l-lactide)â€"polyethyleneimine magnetic particles. Colloids and Surfaces B: Biointerfaces, 2013, 109, 236-243.	5.0	21
30	Quantification of cardiovascular disease biomarkers via functionalized magnetic beads and on-demand detachable quantum dots. Nanoscale, 2013, 5, 8609.	5.6	13
31	Harnessing immunomagnetic separation and quantum dot-based quantification capacities for the enumeration of absolute levels of biomarker. Nanotechnology, 2013, 24, 285103.	2.6	9
32	Think Modular: A Simple Apoferritin-Based Platform for the Multifaceted Detection of Pancreatic Cancer. ACS Nano, 2013, 7, 8167-8174.	14.6	48
33	Nanoscale bacteriophage biosensors beyond phage display. International Journal of Nanomedicine, 2013, 8, 3917.	6.7	54
34	Immunomagnetic nanoparticle-based assays for detection of biomarkers. International Journal of Nanomedicine, 2013, 8, 4543.	6.7	28
35	Interactions between mesenchymal stem cells and T cells on a single cell level a nanowell array. , 2012, , .		1