

Kwideok Park

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,381
citations

21
h-index

36
g-index

53
ext. papers

1,594
ext. citations

8.2
avg, IF

4.42
L-index

#	Paper	IF	Citations
49	Fabrication of covered porous PLGA microspheres using hydrogen peroxide for controlled drug delivery and regenerative medicine. <i>Journal of Controlled Release</i> , 2009 , 133, 37-43	11.7	151
48	Fabrication of core-shell microcapsules using PLGA and alginate for dual growth factor delivery system. <i>Journal of Controlled Release</i> , 2010 , 147, 193-201	11.7	101
47	Effects of low-intensity ultrasound on chondrogenic differentiation of mesenchymal stem cells embedded in polyglycolic acid: an in vivo study. <i>Tissue Engineering</i> , 2006 , 12, 75-82		95
46	Bioactive cell-derived matrices combined with polymer mesh scaffold for osteogenesis and bone healing. <i>Biomaterials</i> , 2015 , 50, 75-86	15.6	94
45	Osteogenic/angiogenic dual growth factor delivery microcapsules for regeneration of vascularized bone tissue. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1982-92	10.1	72
44	In vivo cartilage tissue engineering using a cell-derived extracellular matrix scaffold. <i>Artificial Organs</i> , 2007 , 31, 183-92	2.6	69
43	Scaffold-free, engineered porcine cartilage construct for cartilage defect repair--in vitro and in vivo study. <i>Artificial Organs</i> , 2006 , 30, 586-96	2.6	56
42	Mesenchymal cells condensation-inducible mesh scaffolds for cartilage tissue engineering. <i>Biomaterials</i> , 2016 , 85, 18-29	15.6	50
41	Self-assembled extracellular macromolecular matrices and their different osteogenic potential with preosteoblasts and rat bone marrow mesenchymal stromal cells. <i>Biomacromolecules</i> , 2012 , 13, 2811-20	6.9	48
40	Dual growth factor delivery using biocompatible core-shell microcapsules for angiogenesis. <i>Small</i> , 2013 , 9, 3468-76	11	47
39	Fabrication of bacterial cellulose-collagen composite scaffolds and their osteogenic effect on human mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2019 , 219, 210-218	10.3	36
38	Induction of re-differentiation of passaged rat chondrocytes using a naturally obtained extracellular matrix microenvironment. <i>Tissue Engineering - Part A</i> , 2013 , 19, 978-88	3.9	34
37	Simple in Vivo Gene Editing via Direct Self-Assembly of Cas9 Ribonucleoprotein Complexes for Cancer Treatment. <i>ACS Nano</i> , 2018 , 12, 7750-7760	16.7	31
36	Vascular morphogenesis of human umbilical vein endothelial cells on cell-derived macromolecular matrix microenvironment. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2365-77	3.9	31
35	Mechanotransduction of human pluripotent stem cells cultivated on tunable cell-derived extracellular matrix. <i>Biomaterials</i> , 2018 , 150, 100-111	15.6	29
34	Fibronectin-tethered graphene oxide as an artificial matrix for osteogenesis. <i>Biomedical Materials (Bristol)</i> , 2014 , 9, 065003	3.5	29
33	Tunable Crosslinked Cell-Derived Extracellular Matrix Guides Cell Fate. <i>Macromolecular Bioscience</i> , 2016 , 16, 1723-1734	5.5	28

32	Approximating bone ECM: Crosslinking directs individual and coupled osteoblast/osteoclast behavior. <i>Biomaterials</i> , 2016 , 103, 22-32	15.6	24
31	Novel skin patch combining human fibroblast-derived matrix and ciprofloxacin for infected wound healing. <i>Theranostics</i> , 2018 , 8, 5025-5038	12.1	24
30	Novel Platform of Cardiomyocyte Culture and Coculture via Fibroblast-Derived Matrix-Coupled Aligned Electrospun Nanofiber. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 224-235	9.5	23
29	Human lung fibroblast-derived matrix facilitates vascular morphogenesis in 3D environment and enhances skin wound healing. <i>Acta Biomaterialia</i> , 2017 , 54, 333-344	10.8	21
28	Comparison of phytoncide with sirolimus as a novel drug candidate for drug-eluting stent. <i>Biomaterials</i> , 2015 , 44, 1-10	15.6	20
27	Cardiomyoblast (h9c2) differentiation on tunable extracellular matrix microenvironment. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1940-51	3.9	19
26	Polymer mesh scaffold combined with cell-derived ECM for osteogenesis of human mesenchymal stem cells. <i>Biomaterials Research</i> , 2016 , 20, 6	16.8	18
25	Multi-lineage differentiation of human mesenchymal stromal cells on the biophysical microenvironment of cell-derived matrix. <i>Cell and Tissue Research</i> , 2014 , 357, 781-92	4.2	18
24	Evaluation of cytotoxicity, biophysics and biomechanics of cells treated with functionalized hybrid nanomaterials. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20130694	4.1	18
23	The three dimensional cues-integrated-biomaterial potentiates differentiation of human mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2018 , 202, 488-496	10.3	18
22	Therapeutic ultrasound effects on interleukin-1beta stimulated cartilage construct in vitro. <i>Ultrasound in Medicine and Biology</i> , 2007 , 33, 286-95	3.5	17
21	Surface functionalized magnetic nanoparticles shift cell behavior with on/off magnetic fields. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1168-1178	7	14
20	Stretchable ECM Patch Enhances Stem Cell Delivery for Post-MI Cardiovascular Repair. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900593	10.1	14
19	Dual growth factor-loaded core-shell polymer microcapsules can promote osteogenesis and angiogenesis. <i>Macromolecular Research</i> , 2014 , 22, 1320-1329	1.9	14
18	Fibroblast-derived matrix (FDM) as a novel vascular endothelial growth factor delivery platform. <i>Journal of Controlled Release</i> , 2014 , 194, 122-9	11.7	13
17	Quantitative analysis of temporal and spatial variations of chondrocyte behavior in engineered cartilage during long-term culture. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 419-28	4.7	12
16	On-Chip Fabrication of a Cell-Derived Extracellular Matrix Sheet. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 3546-3552	5.5	11
15	Construction of a tissue-engineered annulus fibrosus. <i>Artificial Organs</i> , 2013 , 37, E131-8	2.6	10

14	A Fibrous Hybrid Patch Couples Cell-Derived Matrix and Poly(l-lactide--caprolactone) for Endothelial Cells Delivery and Skin Wound Repair. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 900-910	5.5	10
13	Investigation of the changes of biophysical/mechanical characteristics of differentiating preosteoblasts in vitro. <i>Biomaterials Research</i> , 2015 , 19, 24	16.8	8
12	Investigation of cellular responses upon interaction with silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2015 , 10 Spec Iss, 191-201	7.3	8
11	Extracellular matrices derived from different cell sources and their effect on macrophage behavior and wound healing. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9744-9755	7.3	8
10	Decellularized PLGA-based scaffolds and their osteogenic potential with bone marrow stromal cells. <i>Macromolecular Research</i> , 2011 , 19, 1090-1096	1.9	7
9	Bile acid-based dual-functional prodrug nanoparticles for bone regeneration through hydrogen peroxide scavenging and osteogenic differentiation of mesenchymal stem cells. <i>Journal of Controlled Release</i> , 2020 , 328, 596-607	11.7	6
8	Human umbilical cord blood mesenchymal stem cells expansion via human fibroblast-derived matrix and their potentials toward regenerative application. <i>Cell and Tissue Research</i> , 2019 , 376, 233-245 ^{4.2}	4.2	6
7	Novel ECM Patch Combines Poly(vinyl alcohol), Human Fibroblast-Derived Matrix, and Mesenchymal Stem Cells for Advanced Wound Healing. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4266-4275	5.5	5
6	Induction of chondrogenesis of human placenta-derived mesenchymal stem cells via heparin-grafted human fibroblast derived matrix. <i>Biomaterials Research</i> , 2018 , 22, 12	16.8	4
5	Characterization of naturally derived macromolecular matrix and its osteogenic activity with preosteoblasts. <i>Macromolecular Research</i> , 2012 , 20, 868-874	1.9	4
4	An injectable, self-assembled multicellular microsphere with the incorporation of fibroblast-derived extracellular matrix for therapeutic angiogenesis. <i>Materials Science and Engineering C</i> , 2020 , 113, 110961	8.3	3
3	Directing human embryonic stem cells towards functional endothelial cells easily and without purification. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 274-283	4.5	3
2	Human nasal septal chondrocytes (NSCs) preconditioned on NSC-derived matrix improve their chondrogenic potential. <i>Biomaterials Research</i> , 2021 , 25, 10	16.8	0
1	M2 Macrophage-Derived Concentrated Conditioned Media Significantly Improves Skin Wound Healing.. <i>Tissue Engineering and Regenerative Medicine</i> , 2021 , 1	4.5	0