

Kwideok Park

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,796
citations

279487

23
h-index

276539

41
g-index

53
all docs

53
docs citations

53
times ranked

3025
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.8	168
2	Bioactive cell-derived matrices combined with polymer mesh scaffold for osteogenesis and bone healing. <i>Biomaterials</i> , 2015, 50, 75-86.	5.7	119
3	Effects of Low-Intensity Ultrasound on Chondrogenic Differentiation of Mesenchymal Stem Cells Embedded in Polyglycolic Acid: An <i>in Vivo</i> Study. <i>Tissue Engineering</i> , 2006, 12, 75-82.	4.9	115
4	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.	4.8	109
5	Osteogenic/Angiogenic Dual Growth Factor Delivery Microcapsules for Regeneration of Vascularized Bone Tissue. <i>Advanced Healthcare Materials</i> , 2015, 4, 1982-1992.	3.9	88
6	<i>In Vivo</i> Cartilage Tissue Engineering Using a Cell-Derived Extracellular Matrix Scaffold. <i>Artificial Organs</i> , 2007, 31, 183-192.	1.0	76
7	Scaffold-Free, Engineered Porcine Cartilage Construct for Cartilage Defect Repair-In <i>Vitro</i> and <i>In Vivo</i> Study. <i>Artificial Organs</i> , 2006, 30, 586-596.	1.0	67
8	Mesenchymal cells condensation-inducible mesh scaffolds for cartilage tissue engineering. <i>Biomaterials</i> , 2016, 85, 18-29.	5.7	64
9	Fabrication of bacterial cellulose-collagen composite scaffolds and their osteogenic effect on human mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2019, 219, 210-218.	5.1	59
10	Self-Assembled Extracellular Macromolecular Matrices and Their Different Osteogenic Potential with Preosteoblasts and Rat Bone Marrow Mesenchymal Stromal Cells. <i>Biomacromolecules</i> , 2012, 13, 2811-2820.	2.6	52
11	Dual Growth Factor Delivery Using Biocompatible Core-Shell Microcapsules for Angiogenesis. <i>Small</i> , 2013, 9, 3468-3476.	5.2	52
12	Novel skin patch combining human fibroblast-derived matrix and ciprofloxacin for infected wound healing. <i>Theranostics</i> , 2018, 8, 5025-5038.	4.6	50
13	Simple <i>in Vivo</i> Gene Editing via Direct Self-Assembly of Cas9 Ribonucleoprotein Complexes for Cancer Treatment. <i>ACS Nano</i> , 2018, 12, 7750-7760.	7.3	50
14	Human lung fibroblast-derived matrix facilitates vascular morphogenesis in 3D environment and enhances skin wound healing. <i>Acta Biomaterialia</i> , 2017, 54, 333-344.	4.1	41
15	Mechanotransduction of human pluripotent stem cells cultivated on tunable cell-derived extracellular matrix. <i>Biomaterials</i> , 2018, 150, 100-111.	5.7	39
16	Induction of Re-Differentiation of Passaged Rat Chondrocytes Using a Naturally Obtained Extracellular Matrix Microenvironment. <i>Tissue Engineering - Part A</i> , 2013, 19, 978-988.	1.6	36
17	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.	4.0	36
18	Vascular Morphogenesis of Human Umbilical Vein Endothelial Cells on Cell-Derived Macromolecular Matrix Microenvironment. <i>Tissue Engineering - Part A</i> , 2014, 20, 2365-2377.	1.6	35

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19	Fibronectin-tethered graphene oxide as an artificial matrix for osteogenesis. <i>Biomedical Materials (Bristol)</i> , 2014, 9, 065003.	1.7	34
20	Tunable Crosslinked Cell-Derived Extracellular Matrix Guides Cell Fate. <i>Macromolecular Bioscience</i> , 2016, 16, 1723-1734.	2.1	32
21	Approximating bone ECM: Crosslinking directs individual and coupled osteoblast/osteoclast behavior. <i>Biomaterials</i> , 2016, 103, 22-32.	5.7	28
22	Cardiomyoblast (H9c2) Differentiation on Tunable Extracellular Matrix Microenvironment. <i>Tissue Engineering - Part A</i> , 2015, 21, 1940-1951.	1.6	27
23	Polymer mesh scaffold combined with cell-derived ECM for osteogenesis of human mesenchymal stem cells. <i>Biomaterials Research</i> , 2016, 20, 6.	3.2	24
24	Stretchable ECM Patch Enhances Stem Cell Delivery for Post-AMI Cardiovascular Repair. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900593.	3.9	24
25	The three dimensional cues-integrated-biomaterial potentiates differentiation of human mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2018, 202, 488-496.	5.1	23
26	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.	4.8	23
27	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.	2.9	23
28	Comparison of phytoncide with sirolimus as a novel drug candidate for drug-eluting stent. <i>Biomaterials</i> , 2015, 44, 1-10.	5.7	22
29	Evaluation of cytotoxicity, biophysics and biomechanics of cells treated with functionalized hybrid nanomaterials. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130694.	1.5	21
30	Multi-lineage differentiation of human mesenchymal stromal cells on the biophysical microenvironment of cell-derived matrix. <i>Cell and Tissue Research</i> , 2014, 357, 781-792.	1.5	21
31	Therapeutic ultrasound effects on interleukin-1 β stimulated cartilage construct in vitro. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 286-295.	0.7	19
32	On-Chip Fabrication of a Cell-Derived Extracellular Matrix Sheet. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3546-3552.	2.6	18
33	Surface functionalized magnetic nanoparticles shift cell behavior with on/off magnetic fields. <i>Journal of Cellular Physiology</i> , 2018, 233, 1168-1178.	2.0	17
34	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.	2.6	17
35	Fibroblast-derived matrix (FDM) as a novel vascular endothelial growth factor delivery platform. <i>Journal of Controlled Release</i> , 2014, 194, 122-129.	4.8	16
36	A Fibrous Hybrid Patch Couples Cell-Derived Matrix and Poly(ϵ -lactide-co- ϵ -caprolactone) for Endothelial Cells Delivery and Skin Wound Repair. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 900-910.	2.6	16

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37	Dual growth factor-loaded core-shell polymer microcapsules can promote osteogenesis and angiogenesis. <i>Macromolecular Research</i> , 2014, 22, 1320-1329.	1.0	15
38	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, 419-428.	1.3	13
39	Novel Corneal Endothelial Cell Carrier Couples a Biodegradable Polymer and a Mesenchymal Stem Cell-Derived Extracellular Matrix. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12116-12129.	4.0	13
40	Induction of chondrogenesis of human placenta-derived mesenchymal stem cells via heparin-grafted human fibroblast derived matrix. <i>Biomaterials Research</i> , 2018, 22, 12.	3.2	12
41	Construction of a Tissue-Engineered Annulus Fibrosus. <i>Artificial Organs</i> , 2013, 37, E131-E138.	1.0	11
42	Investigation of the changes of biophysical/mechanical characteristics of differentiating preosteoblasts in vitro. <i>Biomaterials Research</i> , 2015, 19, 24.	3.2	11
43	Investigation of cellular responses upon interaction with silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10 Spec Iss, 191.	3.3	11
44	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.	1.5	11
45	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.	3.8	11
46	Decellularized PLGA-based scaffolds and their osteogenic potential with bone marrow stromal cells. <i>Macromolecular Research</i> , 2011, 19, 1090-1096.	1.0	8
47	M2 Macrophage-Derived Concentrated Conditioned Media Significantly Improves Skin Wound Healing. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 617-628.	1.6	8
48	Characterization of naturally derived macromolecular matrix and its osteogenic activity with preosteoblasts. <i>Macromolecular Research</i> , 2012, 20, 868-874.	1.0	5
49	Directing human embryonic stem cells towards functional endothelial cells easily and without purification. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 274-283.	1.6	3
50	Human nasal septal chondrocytes (NSCs) preconditioned on NSC-derived matrix improve their chondrogenic potential. <i>Biomaterials Research</i> , 2021, 25, 10.	3.2	2
51	Nano-Sized Extracellular Matrix Particles Lead to Therapeutic Improvement for Cutaneous Wound and Hindlimb Ischemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13265.	1.8	1