

Tae-Jin Lee

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45
papers

1,998
citations

23
h-index

44
g-index

46
ext. papers

2,299
ext. citations

7.9
avg, IF

4.44
L-index

#	Paper	IF	Citations
45	Angiogenesis in ischemic tissue produced by spheroid grafting of human adipose-derived stromal cells. <i>Biomaterials</i> , 2011 , 32, 2734-47	15.6	271
44	A wet-tolerant adhesive patch inspired by protuberances in suction cups of octopi. <i>Nature</i> , 2017 , 546, 396-400	50.4	232
43	Delivery of a therapeutic protein for bone regeneration from a substrate coated with graphene oxide. <i>Small</i> , 2013 , 9, 4051-60	11	147
42	Hyaluronic acid-quantum dot conjugates for in vivo lymphatic vessel imaging. <i>ACS Nano</i> , 2009 , 3, 1389-98	6.7	146
41	Transplantation of cord blood mesenchymal stem cells as spheroids enhances vascularization. <i>Tissue Engineering - Part A</i> , 2012 , 18, 2138-47	3.9	135
40	Efficacious and clinically relevant conditioned medium of human adipose-derived stem cells for therapeutic angiogenesis. <i>Molecular Therapy</i> , 2014 , 22, 862-72	11.7	102
39	Graphene enhances the cardiomyogenic differentiation of human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 452, 174-80	3.4	83
38	Efficient mRNA delivery with graphene oxide-polyethylenimine for generation of footprint-free human induced pluripotent stem cells. <i>Journal of Controlled Release</i> , 2016 , 235, 222-235	11.7	76
37	Zinc Oxide Nanorod-Based Piezoelectric Dermal Patch for Wound Healing. <i>Advanced Functional Materials</i> , 2017 , 27, 1603497	15.6	72
36	Locally delivered growth factor enhances the angiogenic efficacy of adipose-derived stromal cells transplanted to ischemic limbs. <i>Stem Cells</i> , 2009 , 27, 1976-86	5.8	67
35	Electroactive electrospun polyaniline/poly[(L-lactide)-co-(ε-caprolactone)] fibers for control of neural cell function. <i>Macromolecular Bioscience</i> , 2012 , 12, 402-11	5.5	46
34	Heparin-conjugated polyethylenimine for gene delivery. <i>Journal of Controlled Release</i> , 2008 , 132, 236-42	11.7	46
33	Hydrogen production by catalytic decomposition of methane over activated carbons: Deactivation study. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 835-839	2.8	44
32	Three-dimensional cell grafting enhances the angiogenic efficacy of human umbilical vein endothelial cells. <i>Tissue Engineering - Part A</i> , 2012 , 18, 310-9	3.9	40
31	Modulation of BMP-2-induced chondrogenic versus osteogenic differentiation of human mesenchymal stem cells by cell-specific extracellular matrices. <i>Tissue Engineering - Part A</i> , 2013 , 19, 49-58	3.9	39
30	Apatite-coated collagen scaffold for bone morphogenetic protein-2 delivery. <i>Tissue Engineering - Part A</i> , 2011 , 17, 2153-64	3.9	39
29	The effect of the controlled release of nerve growth factor from collagen gel on the efficiency of neural cell culture. <i>Biomaterials</i> , 2009 , 30, 126-32	15.6	39

28	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 86-96	9.4	36
27	Bone morphogenetic protein-2 for bone regeneration [Dose reduction through graphene oxide-based delivery. <i>Carbon</i> , 2014 , 78, 428-438	10.4	35
26	Spinner-flask culture induces redifferentiation of de-differentiated chondrocytes. <i>Biotechnology Letters</i> , 2011 , 33, 829-36	3	28
25	Mesenchymal stem cell-conditioned medium enhances osteogenic and chondrogenic differentiation of human embryonic stem cells and human induced pluripotent stem cells by mesodermal lineage induction. <i>Tissue Engineering - Part A</i> , 2014 , 20, 1306-13	3.9	26
24	Enhancement of long-term angiogenic efficacy of adipose stem cells by delivery of FGF2. <i>Microvascular Research</i> , 2012 , 84, 1-8	3.7	24
23	The effect of the delivery carrier on the quality of bone formed via bone morphogenetic protein-2. <i>Artificial Organs</i> , 2012 , 36, 642-7	2.6	23
22	Enhancement of osteogenic and chondrogenic differentiation of human embryonic stem cells by mesodermal lineage induction with BMP-4 and FGF2 treatment. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 793-7	3.4	22
21	Therapeutic angiogenesis by a myoblast layer harvested by tissue transfer printing from cell-adhesive, thermosensitive hydrogels. <i>Biomaterials</i> , 2013 , 34, 8258-68	15.6	18
20	Efficient formation of cell spheroids using polymer nanofibers. <i>Biotechnology Letters</i> , 2012 , 34, 795-803	3	16
19	Combined delivery of heme oxygenase-1 gene and fibroblast growth factor-2 protein for therapeutic angiogenesis. <i>Biomaterials</i> , 2009 , 30, 6247-56	15.6	15
18	Apatite-coated porous poly(lactic-co-glycolic acid) microspheres as an injectable bone substitute. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 635-45	3.5	14
17	ETV2/ER71 regulates hematopoietic regeneration by promoting hematopoietic stem cell proliferation. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1643-1653	16.6	13
16	Delivery of fibroblast growth factor 2 enhances the viability of cord blood-derived mesenchymal stem cells transplanted to ischemic limbs. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 111, 584-9	3.3	12
15	Combined gene therapy with hypoxia-inducible factor-1 β and heme oxygenase-1 for therapeutic angiogenesis. <i>Tissue Engineering - Part A</i> , 2011 , 17, 915-26	3.9	12
14	Requisite endothelial reactivation and effective siRNA nanoparticle targeting of Etv2/Er71 in tumor angiogenesis. <i>JCI Insight</i> , 2018 , 3,	9.9	11
13	Facile aqueous-phase synthesis of Ag-Cu-Pt-Pd quadrometallic nanoparticles. <i>Nano Convergence</i> , 2019 , 6, 38	9.2	10
12	Endosome-triggered ion-releasing nanoparticles as therapeutics to enhance the angiogenic efficacy of human mesenchymal stem cells. <i>Journal of Controlled Release</i> , 2020 , 324, 586-597	11.7	8
11	Incorporation of gold-coated microspheres into embryoid body of human embryonic stem cells for cardiomyogenic differentiation. <i>Tissue Engineering - Part A</i> , 2015 , 21, 374-81	3.9	7

10	A Facile Room Temperature Synthesis of Large Silver Nanoplates with Low Cytotoxicity. <i>ChemistrySelect</i> , 2018 , 3, 1801-1808	1.8	7
9	Bioreducible Polymer Micelles Based on Acid-Degradable Poly(ethylene glycol)-poly(amino ketal) Enhance the Stromal Cell-Derived Factor-1 β Gene Transfection Efficacy and Therapeutic Angiogenesis of Human Adipose-Derived Stem Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	7
8	Volume-stable adipose tissue formation by implantation of human adipose-derived stromal cells using solid free-form fabrication-based polymer scaffolds. <i>Annals of Plastic Surgery</i> , 2013 , 70, 98-102	1.7	7
7	Characterization of a nickel-strontium phosphate catalyst for partial oxidation of methane. <i>Korean Journal of Chemical Engineering</i> , 2003 , 20, 829-834	2.8	7
6	Bio-application of Inorganic Nanomaterials in Tissue Engineering. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1249, 115-130	3.6	6
5	A Disposable Photovoltaic Patch Controlling Cellular Microenvironment for Wound Healing. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	6
4	ETS transcription factor ETV2/ER71/Etsrp in hematopoietic and vascular development, injury, and regeneration. <i>Developmental Dynamics</i> , 2017 , 246, 318-327	2.9	1
3	Development of pH-Responsive Polymer Coating as an Alternative to Enzyme-Based Stem Cell Dissociation for Cell Therapy. <i>Materials</i> , 2021 , 14,	3.5	1
2	Alternative method for trypsin-based cell dissociation using poly (amino ester) coating and pH 6.0 PBS. <i>Journal of Bioactive and Compatible Polymers</i> , 2021 , 36, 77-89	2	1
1	ER71/ETV2 Promotes Hair Regeneration from Chemotherapeutic Drug-Induced Hair Loss by Enhancing Angiogenesis. <i>Biomolecules and Therapeutics</i> , 2021 , 29, 545-550	4.2	1