

Tae-Jin Lee

List of Publications by Year in descending order

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46
papers

2,573
citations

279701

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223716

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docs citations

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times ranked

4763
citing authors

#	ARTICLE	IF	CITATIONS
1	A wet-tolerant adhesive patch inspired by protuberances in suction cups of octopi. <i>Nature</i> , 2017, 546, 396-400.	13.7	369
2	Angiogenesis in ischemic tissue produced by spheroid grafting of human adipose-derived stromal cells. <i>Biomaterials</i> , 2011, 32, 2734-2747.	5.7	327
3	Delivery of a Therapeutic Protein for Bone Regeneration from a Substrate Coated with Graphene Oxide. <i>Small</i> , 2013, 9, 4051-4060.	5.2	178
4	Transplantation of Cord Blood Mesenchymal Stem Cells as Spheroids Enhances Vascularization. <i>Tissue Engineering - Part A</i> , 2012, 18, 2138-2147.	1.6	172
5	Hyaluronic Acid-Quantum Dot Conjugates for <i>In Vivo</i> Lymphatic Vessel Imaging. <i>ACS Nano</i> , 2009, 3, 1389-1398.	7.3	157
6	Efficacious and Clinically Relevant Conditioned Medium of Human Adipose-derived Stem Cells for Therapeutic Angiogenesis. <i>Molecular Therapy</i> , 2014, 22, 862-872.	3.7	135
7	Zinc Oxide Nanorod-Based Piezoelectric Dermal Patch for Wound Healing. <i>Advanced Functional Materials</i> , 2017, 27, 1603497.	7.8	132
8	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.	4.8	99
9	Graphene enhances the cardiomyogenic differentiation of human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 174-180.	1.0	97
10	Locally Delivered Growth Factor Enhances the Angiogenic Efficacy of Adipose-Derived Stromal Cells Transplanted to Ischemic Limbs. <i>Stem Cells</i> , 2009, 27, 1976-1986.	1.4	72
11	Electroactive Electrospun Polyaniline/Poly[(L-lactide)- ϵ -caprolactone] Fibers for Control of Neural Cell Function. <i>Macromolecular Bioscience</i> , 2012, 12, 402-411.	2.1	57
12	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 86-96.	1.1	54
13	Heparin-conjugated polyethylenimine for gene delivery. <i>Journal of Controlled Release</i> , 2008, 132, 236-242.	4.8	49
14	Hydrogen production by catalytic decomposition of methane over activated carbons: Deactivation study. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 835-839.	1.2	48
15	Apatite-Coated Collagen Scaffold for Bone Morphogenetic Protein-2 Delivery. <i>Tissue Engineering - Part A</i> , 2011, 17, 2153-2164.	1.6	46
16	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.	1.6	45
17	Three-Dimensional Cell Grafting Enhances the Angiogenic Efficacy of Human Umbilical Vein Endothelial Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 310-319.	1.6	44
18	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, 126-132.	5.7	41

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19	Bone morphogenetic protein-2 for bone regeneration – Dose reduction through graphene oxide-based delivery. <i>Carbon</i> , 2014, 78, 428-438.	5.4	38
20	Spinner-flask culture induces redifferentiation of de-differentiated chondrocytes. <i>Biotechnology Letters</i> , 2011, 33, 829-836.	1.1	32
21	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, 1306-1313.	1.6	28
22	Enhancement of long-term angiogenic efficacy of adipose stem cells by delivery of FGF2. <i>Microvascular Research</i> , 2012, 84, 1-8.	1.1	27
23	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, 793-797.	1.0	26
24	The Effect of the Delivery Carrier on the Quality of Bone Formed via Bone Morphogenetic Protein–2. <i>Artificial Organs</i> , 2012, 36, 642-647.	1.0	25
25	Facile aqueous-phase synthesis of Ag–Cu–Pt–Pd quadrometallic nanoparticles. <i>Nano Convergence</i> , 2019, 6, 38.	6.3	23
26	ETV2/ER71 regulates hematopoietic regeneration by promoting hematopoietic stem cell proliferation. <i>Journal of Experimental Medicine</i> , 2017, 214, 1643-1653.	4.2	22
27	Efficient formation of cell spheroids using polymer nanofibers. <i>Biotechnology Letters</i> , 2012, 34, 795-803.	1.1	21
28	Requisite endothelial reactivation and effective siRNA nanoparticle targeting of Etv2/Er71 in tumor angiogenesis. <i>JCI Insight</i> , 2018, 3, .	2.3	20
29	Therapeutic angiogenesis by a myoblast layer harvested by tissue transfer printing from cell-adhesive, thermosensitive hydrogels. <i>Biomaterials</i> , 2013, 34, 8258-8268.	5.7	19
30	Apatite-Coated Porous Poly(lactic-co-glycolic acid) Microspheres as an Injectable Bone Substitute. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 635-645.	1.9	18
31	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.	4.8	18
32	Combined delivery of heme oxygenase-1 gene and fibroblast growth factor-2 protein for therapeutic angiogenesis. <i>Biomaterials</i> , 2009, 30, 6247-6256.	5.7	17
33	Combined Gene Therapy with Hypoxia-Inducible Factor-1 β and Heme Oxygenase-1 for Therapeutic Angiogenesis. <i>Tissue Engineering - Part A</i> , 2011, 17, 915-926.	1.6	16
34	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, 584-589.	1.1	14
35	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, 529.	1.8	13
36	A Disposable Photovoltaic Patch Controlling Cellular Microenvironment for Wound Healing. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3025.	1.8	12

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37	Characterization of a nickel-strontium phosphate catalyst for partial oxidation of methane. Korean Journal of Chemical Engineering, 2003, 20, 829-834.	1.2	10
38	A Facile Room Temperature Synthesis of Large Silver Nanoplates with Low Cytotoxicity. ChemistrySelect, 2018, 3, 1801-1808.	0.7	9
39	Volume-Stable Adipose Tissue Formation by Implantation of Human Adipose-Derived Stromal Cells Using Solid Free-Form Fabrication-Based Polymer Scaffolds. Annals of Plastic Surgery, 2013, 70, 98-102.	0.5	8
40	Incorporation of Gold-Coated Microspheres into Embryoid Body of Human Embryonic Stem Cells for Cardiomyogenic Differentiation. Tissue Engineering - Part A, 2015, 21, 374-381.	1.6	8
41	Bio-application of Inorganic Nanomaterials in Tissue Engineering. Advances in Experimental Medicine and Biology, 2020, 1249, 115-130.	0.8	7
42	Development of a stem cell spheroidâ€lâden patch with high retention at skin wound site. Bioengineering and Translational Medicine, 2022, 7, .	3.9	7
43	ETS transcription factor ETV2/ER71/Etsrp in hematopoietic and vascular development, injury, and regeneration. Developmental Dynamics, 2017, 246, 318-327.	0.8	5
44	ER71/ETV2 Promotes Hair Regeneration from Chemotherapeutic Drug-Induced Hair Loss by Enhancing Angiogenesis. Biomolecules and Therapeutics, 2021, 29, 545-550.	1.1	4
45	Development of pH-Responsive Polymer Coating as an Alternative to Enzyme-Based Stem Cell Dissociation for Cell Therapy. Materials, 2021, 14, 491.	1.3	2
46	Alternative method for trypsin-based cell dissociation using poly (amino ester) coating and pH 6.0 PBS. Journal of Bioactive and Compatible Polymers, 2021, 36, 77-89.	0.8	2