

# Suk Ho Bhang

## List of Publications by Citations

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132  
papers

4,506  
citations

36  
h-index

64  
g-index

138  
ext. papers

5,171  
ext. citations

7.3  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
132	Angiogenesis in ischemic tissue produced by spheroid grafting of human adipose-derived stromal cells. <i>Biomaterials</i> , <b>2011</b> , 32, 2734-47	15.6	271
131	Genetic engineering of human stem cells for enhanced angiogenesis using biodegradable polymeric nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 3317-22	11.5	250
130	A wet-tolerant adhesive patch inspired by protuberances in suction cups of octopi. <i>Nature</i> , <b>2017</b> , 546, 396-400	50.4	232
129	pH-responsive assembly of gold nanoparticles and "spatiotemporally concerted" drug release for synergistic cancer therapy. <i>ACS Nano</i> , <b>2013</b> , 7, 3388-402	16.7	148
128	Delivery of a therapeutic protein for bone regeneration from a substrate coated with graphene oxide. <i>Small</i> , <b>2013</b> , 9, 4051-60	11	147
127	Hyaluronic acid-quantum dot conjugates for in vivo lymphatic vessel imaging. <i>ACS Nano</i> , <b>2009</b> , 3, 1389-98	16.7	146
126	Hyaluronate-gold nanoparticle/tocilizumab complex for the treatment of rheumatoid arthritis. <i>ACS Nano</i> , <b>2014</b> , 8, 4790-8	16.7	136
125	Transplantation of cord blood mesenchymal stem cells as spheroids enhances vascularization. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 2138-47	3.9	135
124	Mesenchymal Stem Cells Aggregate and Deliver Gold Nanoparticles to Tumors for Photothermal Therapy. <i>ACS Nano</i> , <b>2015</b> , 9, 9678-90	16.7	126
123	Graphene-regulated cardiomyogenic differentiation process of mesenchymal stem cells by enhancing the expression of extracellular matrix proteins and cell signaling molecules. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 176-81	10.1	117
122	Dual Roles of Graphene Oxide in Chondrogenic Differentiation of Adult Stem Cells: Cell-Adhesion Substrate and Growth Factor-Delivery Carrier. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6455-6464	15.6	112
121	Enhanced cartilage formation via three-dimensional cell engineering of human adipose-derived stem cells. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 1949-56	3.9	107
120	Efficacious and clinically relevant conditioned medium of human adipose-derived stem cells for therapeutic angiogenesis. <i>Molecular Therapy</i> , <b>2014</b> , 22, 862-72	11.7	102
119	The effect of cyclic strain on embryonic stem cell-derived cardiomyocytes. <i>Biomaterials</i> , <b>2008</b> , 29, 844-56	15.6	102
118	Covalent conjugation of mechanically stiff graphene oxide flakes to three-dimensional collagen scaffolds for osteogenic differentiation of human mesenchymal stem cells. <i>Carbon</i> , <b>2015</b> , 83, 162-172	10.4	97
117	Heparin-conjugated fibrin as an injectable system for sustained delivery of bone morphogenetic protein-2. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 1225-33	3.9	96
116	Effect of cross-linking reagents for hyaluronic acid hydrogel dermal fillers on tissue augmentation and regeneration. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 240-7	6.3	94

115	Enhanced skin wound healing by a sustained release of growth factors contained in platelet-rich plasma. <i>Experimental and Molecular Medicine</i> , <b>2011</b> , 43, 622-9	12.8	84
114	Graphene enhances the cardiomyogenic differentiation of human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 452, 174-80	3.4	83
113	Zinc Oxide Nanorod-Based Piezoelectric Dermal Patch for Wound Healing. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1603497	15.6	72
112	The behavior of neural stem cells on biodegradable synthetic polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2007</b> , 18, 223-39	3.5	72
111	Conductive and Stretchable Adhesive Electronics with Miniaturized Octopus-Like Suckers against Dry/Wet Skin for Biosignal Monitoring. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1805224	15.6	69
110	Locally delivered growth factor enhances the angiogenic efficacy of adipose-derived stromal cells transplanted to ischemic limbs. <i>Stem Cells</i> , <b>2009</b> , 27, 1976-86	5.8	67
109	Suspension culture of mammalian cells using thermosensitive microcarrier that allows cell detachment without proteolytic enzyme treatment. <i>Cell Transplantation</i> , <b>2010</b> , 19, 1123-32	4	66
108	Hyaline cartilage regeneration by combined therapy of microfracture and long-term bone morphogenetic protein-2 delivery. <i>Tissue Engineering - Part A</i> , <b>2011</b> , 17, 1809-18	3.9	60
107	Preparation and evaluation of visible-light cured glycol chitosan hydrogel dressing containing dual growth factors for accelerated wound healing. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 53, 360-370	6.3	55
106	Active blood vessel formation in the ischemic hindlimb mouse model using a microsphere/hydrogel combination system. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 767-74	4.5	52
105	Self-assembled extracellular macromolecular matrices and their different osteogenic potential with preosteoblasts and rat bone marrow mesenchymal stromal cells. <i>Biomacromolecules</i> , <b>2012</b> , 13, 2811-20	6.9	48
104	Delivery of bone morphogenetic protein-2 and substance P using graphene oxide for bone regeneration. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9 Suppl 1, 107-16	7.3	47
103	The efficacy of bone morphogenetic protein-2 depends on its mode of delivery. <i>Artificial Organs</i> , <b>2010</b> , 34, 1150-3	2.6	47
102	Electroactive electrospun polyaniline/poly[(L-lactide)-co-(ε-caprolactone)] fibers for control of neural cell function. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 402-11	5.5	46
101	Three-dimensional cell grafting enhances the angiogenic efficacy of human umbilical vein endothelial cells. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 310-9	3.9	40
100	Apatite-coated collagen scaffold for bone morphogenetic protein-2 delivery. <i>Tissue Engineering - Part A</i> , <b>2011</b> , 17, 2153-64	3.9	39
99	The effect of the controlled release of nerve growth factor from collagen gel on the efficiency of neural cell culture. <i>Biomaterials</i> , <b>2009</b> , 30, 126-32	15.6	39
98	Additive effect of endothelial progenitor cell mobilization and bone marrow mononuclear cell transplantation on angiogenesis in mouse ischemic limbs. <i>Journal of Biomedical Science</i> , <b>2007</b> , 14, 323-30	13.3	37

97	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 86-96	9.4	36
96	Controlled release of nerve growth factor from fibrin gel. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 80, 998-1002	5.4	36
95	Basic fibroblast growth factor promotes bone marrow stromal cell transplantation-mediated neural regeneration in traumatic brain injury. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 359, 40-5	3.4	36
94	Bone morphogenetic protein-2 for bone regeneration [Dose reduction through graphene oxide-based delivery. <i>Carbon</i> , <b>2014</b> , 78, 428-438	10.4	35
93	Delivery of basic fibroblast growth factor using heparin-conjugated fibrin for therapeutic angiogenesis. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 2113-9	3.9	34
92	Mutual effect of subcutaneously transplanted human adipose-derived stem cells and pancreatic islets within fibrin gel. <i>Biomaterials</i> , <b>2013</b> , 34, 7247-56	15.6	33
91	Enhancement of angiogenic efficacy of human cord blood cell transplantation. <i>Tissue Engineering</i> , <b>2006</b> , 12, 1651-61		30
90	Conditioned medium of adipose-derived stromal cell culture in three-dimensional bioreactors for enhanced wound healing. <i>Journal of Surgical Research</i> , <b>2015</b> , 194, 8-17	2.5	28
89	Dual roles of hyaluronic acids in multilayer films capturing nanocarriers for drug-eluting coatings. <i>Biomaterials</i> , <b>2012</b> , 33, 5468-77	15.6	27
88	A dual delivery of substance P and bone morphogenetic protein-2 for mesenchymal stem cell recruitment and bone regeneration. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 1275-87	3.9	27
87	Graphene oxide reinforced hydrogels for osteogenic differentiation of human adipose-derived stem cells. <i>RSC Advances</i> , <b>2017</b> , 7, 20779-20788	3.7	26
86	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> , <b>2014</b> , 20, 1306-13	3.9	26
85	Transplantation of heterospheroids of islet cells and mesenchymal stem cells for effective angiogenesis and antiapoptosis. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 1024-35	3.9	26
84	pH-triggered release of manganese from MnAu nanoparticles that enables cellular neuronal differentiation without cellular toxicity. <i>Biomaterials</i> , <b>2015</b> , 55, 33-43	15.6	25
83	Enhanced Bone Repair by Guided Osteoblast Recruitment Using Topographically Defined Implant. <i>Tissue Engineering - Part A</i> , <b>2016</b> , 22, 654-64	3.9	25
82	Thermosensitive, Stretchable, and Piezoelectric Substrate for Generation of Myogenic Cell Sheet Fragments from Human Mesenchymal Stem Cells for Skeletal Muscle Regeneration. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703853	15.6	24
81	A bioreducible polymer for efficient delivery of Fas-silencing siRNA into stem cell spheroids and enhanced therapeutic angiogenesis. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11899-903	16.4	24
80	Enhancement of long-term angiogenic efficacy of adipose stem cells by delivery of FGF2. <i>Microvascular Research</i> , <b>2012</b> , 84, 1-8	3.7	24

79	Enhanced neuronal differentiation of pheochromocytoma 12 cells on polydopamine-modified surface. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 430, 1294-300	3.4	23
78	Platelet-rich plasma enhances the dermal regeneration efficacy of human adipose-derived stromal cells administered to skin wounds. <i>Cell Transplantation</i> , <b>2013</b> , 22, 437-45	4	21
77	Enhanced hemangioblast generation and improved vascular repair and regeneration from embryonic stem cells by defined transcription factors. <i>Stem Cell Reports</i> , <b>2013</b> , 1, 166-82	8	20
76	NIR-vis-Induced pH-Sensitive TiO Immobilized Carbon Dot for Controllable Membrane-Nuclei Targeting and Photothermal Therapy of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 37929-37942	9.5	20
75	Cyclic mechanical strain promotes transforming-growth-factor-beta1-mediated cardiomyogenic marker expression in bone-marrow-derived mesenchymal stem cells in vitro. <i>Biotechnology and Applied Biochemistry</i> , <b>2010</b> , 55, 191-7	2.8	18
74	Inorganic Nanoparticles Applied as Functional Therapeutics. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008171	15.6	18
73	Therapeutic Angiogenesis via Solar Cell-Facilitated Electrical Stimulation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 38344-38355	9.5	17
72	Enhanced nerve growth factor efficiency in neural cell culture by immobilization on the culture substrate. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 382, 315-20	3.4	16
71	Stretchable Piezoelectric Substrate Providing Pulsatile Mechanoelectric Cues for Cardiomyogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22101-22111	9.5	15
70	Combined therapy with human cord blood cell transplantation and basic fibroblast growth factor delivery for treatment of myocardial infarction. <i>European Journal of Heart Failure</i> , <b>2007</b> , 9, 974-85	12.3	15
69	Enhanced chondrogenic marker expression of human mesenchymal stem cells by interaction with both TGF- $\beta$ and hyaluronic acid. <i>Biotechnology and Applied Biochemistry</i> , <b>2011</b> , 58, 271-6	2.8	14
68	Apatite-coated porous poly(lactic-co-glycolic acid) microspheres as an injectable bone substitute. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 635-45	3.5	14
67	Tocilizumab-Alendronate Conjugate for Treatment of Rheumatoid Arthritis. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 1084-1092	6.3	13
66	One-pot synthesis of PdAu bimetallic composite nanoparticles and their catalytic activities for hydrogen peroxide generation. <i>Korean Journal of Chemical Engineering</i> , <b>2018</b> , 35, 2379-2383	2.8	13
65	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> , <b>2011</b> , 111, 584-9	3.3	12
64	Combined gene therapy with hypoxia-inducible factor-1 $\beta$ and heme oxygenase-1 for therapeutic angiogenesis. <i>Tissue Engineering - Part A</i> , <b>2011</b> , 17, 915-26	3.9	12
63	In situ cardiomyogenic differentiation of implanted bone marrow mononuclear cells by local delivery of transforming growth factor- $\beta$ . <i>Cell Transplantation</i> , <b>2012</b> , 21, 299-312	4	12
62	Enhancing the Wound Healing Effect of Conditioned Medium Collected from Mesenchymal Stem Cells with High Passage Number Using Bioreducible Nanoparticles. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	11

61	Microscale Soft Patterning for Solution Processable Metal Oxide Thin Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7205-11	9.5	11
60	Upconverting Oil-Laden Hollow Mesoporous Silica Microcapsules for Anti-Stokes-Based Biophotonic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26571-26580	9.5	11
59	Skin regeneration with fibroblast growth factor 2 released from heparin-conjugated fibrin. <i>Biotechnology Letters</i> , <b>2011</b> , 33, 845-51	3	11
58	A fibronectin-coated gold nanostructure composite for electrochemical detection of effects of curcumin-carrying nanoliposomes on human stomach cancer cells. <i>Analyst, The</i> , <b>2020</b> , 145, 675-684	5	11
57	3,4-dihydroxy-L-phenylalanine as a cell adhesion molecule in serum-free cell culture. <i>Biotechnology Progress</i> , <b>2012</b> , 28, 1055-60	2.8	10
56	Facile aqueous-phase synthesis of Ag-Cu-Pt-Pd quadrometallic nanoparticles. <i>Nano Convergence</i> , <b>2019</b> , 6, 38	9.2	10
55	Aqueous-phase synthesis of single crystal ZnO nanobolts. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 36, 59-65	6.3	10
54	Enhancement of human peripheral blood mononuclear cell transplantation-mediated bone formation. <i>Cell Transplantation</i> , <b>2011</b> , 20, 1445-52	4	9
53	Endosome-triggered ion-releasing nanoparticles as therapeutics to enhance the angiogenic efficacy of human mesenchymal stem cells. <i>Journal of Controlled Release</i> , <b>2020</b> , 324, 586-597	11.7	8
52	Enhanced Anti-Cancer Effects of Conditioned Medium from Hypoxic Human Umbilical Cord-Derived Mesenchymal Stem Cells. <i>International Journal of Stem Cells</i> , <b>2019</b> , 12, 291-303	3	8
51	Incorporation of gold-coated microspheres into embryoid body of human embryonic stem cells for cardiomyogenic differentiation. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 374-81	3.9	7
50	A Facile Room Temperature Synthesis of Large Silver Nanoplates with Low Cytotoxicity. <i>ChemistrySelect</i> , <b>2018</b> , 3, 1801-1808	1.8	7
49	Recent research trend in cell and drug delivery system for type 1 diabetes treatment. <i>Journal of Pharmaceutical Investigation</i> , <b>2018</b> , 48, 175-185	6.3	7
48	Bioreducible Polymer Micelles Based on Acid-Degradable Poly(ethylene glycol)-poly(amino ketal) Enhance the Stromal Cell-Derived Factor-1 Gene Transfection Efficacy and Therapeutic Angiogenesis of Human Adipose-Derived Stem Cells. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	7
47	Enhancing therapeutic efficacy of photothermal therapy using poloxamer-reduced graphene oxide and mesenchymal stem cells. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 80, 846-853	6.3	7
46	Bacterial adhesion-resistant poly(2-hydroxyethyl methacrylate) derivative for mammalian cell cultures. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 211-7	5.5	7
45	Culture on a 3,4-dihydroxy-l-phenylalanine-coated surface promotes the osteogenic differentiation of human mesenchymal stem cells. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 1255-63	3.9	7
44	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> , <b>2013</b> , 70, 98-102	1.7	7

43	Synthesis of Sub 3 nm-Sized Uniform Magnetite Nanoparticles Using Reverse Micelle Method for Biomedical Application. <i>Materials</i> , <b>2019</b> , 12,	3.5	7
42	Bio-application of Inorganic Nanomaterials in Tissue Engineering. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1249, 115-130	3.6	6
41	Facile Aqueous-Phase Synthesis of Bimetallic (AgPt, AgPd, and CuPt) and Trimetallic (AgCuPt) Nanoparticles. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
40	A Disposable Photovoltaic Patch Controlling Cellular Microenvironment for Wound Healing. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	6
39	Hierarchically structured 2D silver sheets with fractal network. <i>Journal of Materiomics</i> , <b>2018</b> , 4, 121-128	6.7	5
38	Anti-coagulating hydroxyethyl starch blended with hyaluronic acid as a novel post-surgical adhesion barrier. <i>Macromolecular Research</i> , <b>2010</b> , 18, 1076-1080	1.9	5
37	Regulation of intracellular transition metal ion level with a pH-sensitive inorganic nanocluster to improve therapeutic angiogenesis by enriching conditioned medium retrieved from human adipose derived stem cells. <i>Nano Convergence</i> , <b>2020</b> , 7, 34	9.2	5
36	Enhancing Therapeutic Efficacy and Reducing Cell Dosage in Stem Cell Transplantation Therapy for Ischemic Limb Diseases by Modifying the Cell Injection Site. <i>Tissue Engineering - Part A</i> , <b>2016</b> , 22, 349-62	3.9	4
35	Reduction-Triggered Paclitaxel Release Nano-Hybrid System Based on Core-Crosslinked Polymer Dots with a pH-Responsive Shell-Cleavable Colorimetric Biosensor. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	4
34	Root Extract Induces the Anagen Phase in the Human Hair Follicle Dermal Papilla Cells. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	4
33	Delivery of a spheroids-incorporated human dermal fibroblast sheet increases angiogenesis and M2 polarization for wound healing. <i>Biomaterials</i> , <b>2021</b> , 275, 120954	15.6	4
32	Topography-Guided Control of Local Migratory Behaviors and Protein Expression of Cancer Cells. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700155	10.1	3
31	Enzyme free cell detachment using pH-responsive poly(amino ester) for tissue regeneration. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 88, 373-381	6.3	3
30	Enhanced Collection Efficiency of Nanoparticles by Electrostatic Precipitator with Needle-Cylinder Configuration. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 6884-6888	1.3	3
29	Fortifying the angiogenic efficacy of adipose derived stem cell spheroids using spheroid compaction. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 93, 228-236	6.3	3
28	Stem Cell-Engineered Nanovesicles Exert Proangiogenic and Neuroprotective Effects. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
27	A Facile Surface Modification of Polyethylenimine-Stabilized Gold Nanoparticles and Their Enhanced Cytotoxicity. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 7043-7048	1.3	2
26	Fabrication of Photothermal Film for Deicing Process Based on Gold Nano-Aggregate Encapsulated Yolk-Shell Structure. <i>Science of Advanced Materials</i> , <b>2021</b> , 13, 1424-1429	2.3	2

25	Anti-senescence ion-delivering nanocarrier for recovering therapeutic properties of long-term-cultured human adipose-derived stem cells. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 352	9.4	2
24	Endothelial Cell-Derived Tethered Lipid Bilayers Generating Nitric Oxide for Endovascular Implantation.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 6381-6393	4.1	2
23	Biomimetics: Conductive and Stretchable Adhesive Electronics with Miniaturized Octopus-Like Suckers against Dry/Wet Skin for Biosignal Monitoring (Adv. Funct. Mater. 52/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870372	15.6	2
22	Metal Ion Releasing Gold Nanoparticles for Improving Therapeutic Efficiency of Tumor Targeted Photothermal Therapy. <i>Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 1	4.5	2
21	Comparing the cytotoxic effect of light-emitting and organic light-emitting diodes based light therapy on human adipose-derived stem cells. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 103, 239-246	6.3	2
20	Aqueous-phase synthesis of metal nanoparticles using phosphates as stabilizers. <i>Korean Journal of Chemical Engineering</i> , <b>2017</b> , 34, 231-233	2.8	1
19	Enhancing the Angiogenic and Proliferative Capacity of Dermal Fibroblasts with Mulberry (Morus alba. L) Root Extract. <i>Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 1	4.5	1
18	Environmentally Friendly Route for Fabricating Conductive Agent for Lithium-Ion Batteries: Carbon Nanoparticles Derived from Polyethylene. <i>Catalysts</i> , <b>2021</b> , 11, 424	4	1
17	Poly(amino ester)-Based Polymers for Gene and Drug Delivery Systems and Further Application toward Cell Culture System. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2100106	5.5	1
16	Development of pH-Responsive Polymer Coating as an Alternative to Enzyme-Based Stem Cell Dissociation for Cell Therapy. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
15	Facile Aqueous-Phase Synthesis of Stabilizer-Free Photocatalytic Nanoparticles. <i>Catalysts</i> , <b>2021</b> , 11, 1114	4	1
14	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> , <b>2021</b> , 36, 77-89	2	1
13	Bioreducible Polyspermine-Based Gene Carriers for Efficient siRNA Delivery: Effects of PEG Conjugation on Gene Silencing Efficiency. <i>Macromolecular Research</i> , <b>2018</b> , 26, 1135-1142	1.9	1
12	Delivery of extracellular matrix-enriched stem cells encapsulated with enzyme-free pH-sensitive polymer for enhancing therapeutic angiogenesis. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 104, 381-381	6.3	1
11	Novel angiogenic metal nanoparticles controlling intracellular gene activation in stem cells. <i>Chemical Engineering Journal</i> , <b>2021</b> , 419, 129487	14.7	1
10	Area light source-triggered latent angiogenic molecular mechanisms intensify therapeutic efficacy of adult stem cells.. <i>Bioengineering and Translational Medicine</i> , <b>2022</b> , 7, e10255	14.8	1
9	Phototoxicity-free blue light for enhancing therapeutic angiogenic efficacy of stem cells. <i>Cell Biology and Toxicology</i> , <b>2021</b> , 1	7.4	1
8	Dual Ion Releasing Nanoparticles for Modulating Osteogenic Cellular Microenvironment of Human Mesenchymal Stem Cells. <i>Materials</i> , <b>2021</b> , 14,	3.5	1



7	Effect of polystyrene nanoplastics and their degraded forms on stem cell fate.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 430, 128411	12.8	○
6	Lightwave-reinforced stem cells with enhanced wound healing efficacy.. <i>Journal of Tissue Engineering</i> , <b>2021</b> , 12, 20417314211067004	7.5	○
5	2D and 3D co-spatial compartmentalized patch to enhance the therapeutic efficacy of keratinocytes for wound closure. <i>Chemical Engineering Journal</i> , <b>2021</b> , 409, 128130	14.7	○
4	Precise Electrical Detection of Curcumin Cytotoxicity in Human Liver Cancer Cells. <i>Biochip Journal</i> , <b>2021</b> , 15, 52-60	4	○
3	A Study on the Splitting of Large Gold Nanoparticles by Addition of Aqueous Ascorbic Acid. <i>Science of Advanced Materials</i> , <b>2021</b> , 13, 1474-1478	2.3	
2	Enhanced Chondrogenic Differentiation of Human Adipose-derived Stem Cells with Inverse Opal Scaffolds. <i>Korean Chemical Engineering Research</i> , <b>2013</b> , 51, 727-732		
1	Studies on the Change of Lithium Ion Battery Performance According to Length and Type of Surfactant on the Surface of Manganese Oxide Nanoparticles Prepared by Reverse Micelle Method. <i>Macromolecular Research</i> , <b>2018</b> , 26, 1167-1172	1.9	