

# Suk Ho Bhang

## List of Publications by Year in descending order

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138  
papers

5,780  
citations

76196

40  
h-index

82410

72  
g-index

138  
all docs

138  
docs citations

138  
times ranked

9500  
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	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> , 2010, 107, 3317-3322.	3.3	278
4	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
5	Hyaluronate-Gold Nanoparticle/Tocilizumab Complex for the Treatment of Rheumatoid Arthritis. <i>ACS Nano</i> , 2014, 8, 4790-4798.	7.3	178
6	Transplantation of Cord Blood Mesenchymal Stem Cells as Spheroids Enhances Vascularization. <i>Tissue Engineering - Part A</i> , 2012, 18, 2138-2147.	1.6	172
7	pH-Responsive Assembly of Gold Nanoparticles and Spatiotemporally Concerted Drug Release for Synergistic Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 3388-3402.	7.3	161
8	Hyaluronic Acid-Quantum Dot Conjugates for <i>In Vivo</i> Lymphatic Vessel Imaging. <i>ACS Nano</i> , 2009, 3, 1389-1398.	7.3	157
9	Mesenchymal Stem Cells Aggregate and Deliver Gold Nanoparticles to Tumors for Photothermal Therapy. <i>ACS Nano</i> , 2015, 9, 9678-9690.	7.3	155
10	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> , 2014, 24, 6455-6464.	7.8	138
11	Enhanced Cartilage Formation via Three-Dimensional Cell Engineering of Human Adipose-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 1949-1956.	1.6	135
12	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
13	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> , 2014, 3, 176-181.	3.9	133
14	Zinc Oxide Nanorod-Based Piezoelectric Dermal Patch for Wound Healing. <i>Advanced Functional Materials</i> , 2017, 27, 1603497.	7.8	132
15	The effect of cyclic strain on embryonic stem cell-derived cardiomyocytes. <i>Biomaterials</i> , 2008, 29, 844-856.	5.7	114
16	Enhanced skin wound healing by a sustained release of growth factors contained in platelet-rich plasma. <i>Experimental and Molecular Medicine</i> , 2011, 43, 622.	3.2	111
17	Conductive and Stretchable Adhesive Electronics with Miniaturized Octopus-Like Suckers against Dry/Wet Skin for Biosignal Monitoring. <i>Advanced Functional Materials</i> , 2018, 28, 1805224.	7.8	111
18	Covalent conjugation of mechanically stiff graphene oxide flakes to three-dimensional collagen scaffolds for osteogenic differentiation of human mesenchymal stem cells. <i>Carbon</i> , 2015, 83, 162-172.	5.4	110

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19	Effect of Cross-Linking Reagents for Hyaluronic Acid Hydrogel Dermal Fillers on Tissue Augmentation and Regeneration. <i>Bioconjugate Chemistry</i> , 2010, 21, 240-247.	1.8	109
20	Heparin-Conjugated Fibrin as an Injectable System for Sustained Delivery of Bone Morphogenetic Protein-2. <i>Tissue Engineering - Part A</i> , 2010, 16, 1225-1233.	1.6	107
21	Graphene enhances the cardiomyogenic differentiation of human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 174-180.	1.0	97
22	The behavior of neural stem cells on biodegradable synthetic polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2007, 18, 223-239.	1.9	88
23	Suspension Culture of Mammalian Cells Using Thermosensitive Microcarrier that Allows Cell Detachment without Proteolytic Enzyme Treatment. <i>Cell Transplantation</i> , 2010, 19, 1123-1132.	1.2	77
24	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
25	Hyaline Cartilage Regeneration by Combined Therapy of Microfracture and Long-Term Bone Morphogenetic Protein-2 Delivery. <i>Tissue Engineering - Part A</i> , 2011, 17, 1809-1818.	1.6	71
26	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> , 2017, 53, 360-370.	2.9	71
27	Delivery of bone morphogenetic protein-2 and substance P using graphene oxide for bone regeneration. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 1, 107.	3.3	62
28	Active Blood Vessel Formation in the Ischemic Hindlimb Mouse Model Using a Microsphere/Hydrogel Combination System. <i>Pharmaceutical Research</i> , 2010, 27, 767-774.	1.7	58
29	Electroactive Electrospun Polyaniline/Poly[( <i>L</i> -lactide)- <i>co</i> -( $\mu$ -caprolactone)] Fibers for Control of Neural Cell Function. <i>Macromolecular Bioscience</i> , 2012, 12, 402-411.	2.1	57
30	The Efficacy of Bone Morphogenetic Protein-2 Depends on Its Mode of Delivery. <i>Artificial Organs</i> , 2010, 34, 1150-1153.	1.0	54
31	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 86-96.	1.1	54
32	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
33	Inorganic Nanoparticles Applied as Functional Therapeutics. <i>Advanced Functional Materials</i> , 2021, 31, 2008171.	7.8	51
34	Apatite-Coated Collagen Scaffold for Bone Morphogenetic Protein-2 Delivery. <i>Tissue Engineering - Part A</i> , 2011, 17, 2153-2164.	1.6	46
35	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
36	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> , 2007, 14, 323-330.	2.6	43

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37	Basic fibroblast growth factor promotes bone marrow stromal cell transplantation-mediated neural regeneration in traumatic brain injury. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 40-45.	1.0	42
38	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> , 2017, 27, 1703853.	7.8	42
39	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
40	Controlled release of nerve growth factor from fibrin gel. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 998-1002.	2.1	40
41	Delivery of Basic Fibroblast Growth Factor Using Heparin-Conjugated Fibrin for Therapeutic Angiogenesis. <i>Tissue Engineering - Part A</i> , 2010, 16, 2113-2119.	1.6	39
42	Mutual effect of subcutaneously transplanted human adipose-derived stem cells and pancreatic islets within fibrin gel. <i>Biomaterials</i> , 2013, 34, 7247-7256.	5.7	38
43	Bone morphogenetic protein-2 for bone regeneration “Dose reduction through graphene oxide-based delivery. <i>Carbon</i> , 2014, 78, 428-438.	5.4	38
44	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> , 2015, 21, 1275-1287.	1.6	37
45	Conditioned medium of adipose-derived stromal cell culture in three-dimensional bioreactors for enhanced wound healing. <i>Journal of Surgical Research</i> , 2015, 194, 8-17.	0.8	36
46	NIR-vis-Induced pH-Sensitive TiO <sub>2</sub> Immobilized Carbon Dot for Controllable Membrane-Nuclei Targeting and Photothermal Therapy of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 37929-37942.	4.0	35
47	Enhancement of Angiogenic Efficacy of Human Cord Blood Cell Transplantation. <i>Tissue Engineering</i> , 2006, 12, 1651-1661.	4.9	34
48	Graphene oxide reinforced hydrogels for osteogenic differentiation of human adipose-derived stem cells. <i>RSC Advances</i> , 2017, 7, 20779-20788.	1.7	34
49	Enhanced Bone Repair by Guided Osteoblast Recruitment Using Topographically Defined Implant. <i>Tissue Engineering - Part A</i> , 2016, 22, 654-664.	1.6	30
50	Dual roles of hyaluronic acids in multilayer films capturing nanocarriers for drug-eluting coatings. <i>Biomaterials</i> , 2012, 33, 5468-5477.	5.7	29
51	Enhanced neuronal differentiation of pheochromocytoma 12 cells on polydopamine-modified surface. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1294-1300.	1.0	29
52	Therapeutic Angiogenesis via Solar Cell-Facilitated Electrical Stimulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38344-38355.	4.0	29
53	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
54	Transplantation of Heterospheroids of Islet Cells and Mesenchymal Stem Cells for Effective Angiogenesis and Antiapoptosis. <i>Tissue Engineering - Part A</i> , 2015, 21, 1024-1035.	1.6	28

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55	pH-triggered release of manganese from MnAu nanoparticles that enables cellular neuronal differentiation without cellular toxicity. <i>Biomaterials</i> , 2015, 55, 33-43.	5.7	28
56	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
57	A Bioreducible Polymer for Efficient Delivery of Fas-silencing siRNA into Stem Cell Spheroids and Enhanced Therapeutic Angiogenesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11899-11903.	7.2	26
58	Delivery of a spheroids-incorporated human dermal fibroblast sheet increases angiogenesis and M2 polarization for wound healing. <i>Biomaterials</i> , 2021, 275, 120954.	5.7	26
59	Tocilizumab-Alendronate Conjugate for Treatment of Rheumatoid Arthritis. <i>Bioconjugate Chemistry</i> , 2017, 28, 1084-1092.	1.8	25
60	Platelet-Rich Plasma Enhances the Dermal Regeneration Efficacy of Human Adipose-Derived Stromal Cells Administered to Skin Wounds. <i>Cell Transplantation</i> , 2013, 22, 437-445.	1.2	23
61	Facile aqueous-phase synthesis of Ag-Cu-Pt-Pd quadrometallic nanoparticles. <i>Nano Convergence</i> , 2019, 6, 38.	6.3	23
62	Cyclic mechanical strain promotes transforming growth factor- $\beta$ -mediated cardiomyogenic marker expression in bone-marrow-derived mesenchymal stem cells <i>in vitro</i> . <i>Biotechnology and Applied Biochemistry</i> , 2010, 55, 191-197.	1.4	22
63	Stretchable Piezoelectric Substrate Providing Pulsatile Mechanoelectric Cues for Cardiomyogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 22101-22111.	4.0	22
64	Enhanced Hemangioblast Generation and Improved Vascular Repair and Regeneration from Embryonic Stem Cells by Defined Transcription Factors. <i>Stem Cell Reports</i> , 2013, 1, 166-182.	2.3	21
65	A fibronectin-coated gold nanostructure composite for electrochemical detection of effects of curcumin-carrying nanoliposomes on human stomach cancer cells. <i>Analyst</i> , 2020, 145, 675-684.	1.7	20
66	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> , 2007, 9, 974-985.	2.9	19
67	Enhanced nerve growth factor efficiency in neural cell culture by immobilization on the culture substrate. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 315-320.	1.0	18
68	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
69	Enhanced chondrogenic marker expression of human mesenchymal stem cells by interaction with both TGF- $\beta$ 3 and hyaluronic acid. <i>Biotechnology and Applied Biochemistry</i> , 2011, 58, 271-276.	1.4	18
70	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> , 2019, 20, 4835.	1.8	18
71	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
72	Combined Gene Therapy with Hypoxia-Inducible Factor-1 $\alpha$ and Heme Oxygenase-1 for Therapeutic Angiogenesis. <i>Tissue Engineering - Part A</i> , 2011, 17, 915-926.	1.6	16

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73	One-pot synthesis of PdAu bimetallic composite nanoparticles and their catalytic activities for hydrogen peroxide generation. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2379-2383.	1.2	16
74	Upconverting Oil-Laden Hollow Mesoporous Silica Microcapsules for Anti-Stokes-Based Biophotonic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 26571-26580.	4.0	15
75	Effect of polystyrene nanoplastics and their degraded forms on stem cell fate. <i>Journal of Hazardous Materials</i> , 2022, 430, 128411.	6.5	15
76	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
77	<i>Morus alba</i> Root Extract Induces the Anagen Phase in the Human Hair Follicle Dermal Papilla Cells. <i>Pharmaceutics</i> , 2021, 13, 1155.	2.0	14
78	Skin regeneration with fibroblast growth factor 2 released from heparin-conjugated fibrin. <i>Biotechnology Letters</i> , 2011, 33, 845-851.	1.1	13
79	In Situ Cardiomyogenic Differentiation of Implanted Bone Marrow Mononuclear Cells by Local Delivery of Transforming Growth Factor- $\beta$ 1. <i>Cell Transplantation</i> , 2012, 21, 299-312.	1.2	13
80	Bioreducible Polymer Micelles Based on Acid-Degradable Poly(ethylene glycol)-poly(amino ketal) Enhance the Stromal Cell-Derived Factor-1 $\pm$ 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
81	Enhanced Anti-Cancer Effects of Conditioned Medium from Hypoxic Human Umbilical Cord-Derived Mesenchymal Stem Cells. <i>International Journal of Stem Cells</i> , 2019, 12, 291-303.	0.8	13
82	Aqueous-phase synthesis of single crystal ZnO nanobolts. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 59-65.	2.9	12
83	Microscale Soft Patterning for Solution Processable Metal Oxide Thin Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7205-7211.	4.0	12
84	A Disposable Photovoltaic Patch Controlling Cellular Microenvironment for Wound Healing. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3025.	1.8	12
85	3,4-Dihydroxy-L-phenylalanine as a cell adhesion molecule in serum-free cell culture. <i>Biotechnology Progress</i> , 2012, 28, 1055-1060.	1.3	11
86	Enhancing therapeutic efficacy of photothermal therapy using poloxamer-reduced graphene oxide and mesenchymal stem cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 846-853.	2.9	11
87	Facile Aqueous-Phase Synthesis of Bimetallic (AgPt, AgPd, and CuPt) and Trimetallic (AgCuPt) Nanoparticles. <i>Materials</i> , 2020, 13, 254.	1.3	11
88	Stem Cell-Engineered Nanovesicles Exert Proangiogenic and Neuroprotective Effects. <i>Materials</i> , 2021, 14, 1078.	1.3	11
89	Enhancement of Human Peripheral Blood Mononuclear Cell Transplantation-Mediated Bone Formation. <i>Cell Transplantation</i> , 2011, 20, 1445-1452.	1.2	10
90	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> , 2019, 20, 5368.	1.8	10

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91	Synthesis of Sub 3 nm-Sized Uniform Magnetite Nanoparticles Using Reverse Micelle Method for Biomedical Application. <i>Materials</i> , 2019, 12, 3850.	1.3	10
92	Fortifying the angiogenic efficacy of adipose derived stem cell spheroids using spheroid compaction. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 228-236.	2.9	10
93	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> , 2020, 7, 34.	6.3	10
94	A Facile Room Temperature Synthesis of Large Silver Nanoplates with Low Cytotoxicity. <i>ChemistrySelect</i> , 2018, 3, 1801-1808.	0.7	9
95	Recent research trend in cell and drug delivery system for type 1 diabetes treatment. <i>Journal of Pharmaceutical Investigation</i> , 2018, 48, 175-185.	2.7	9
96	Colloidal Supraballs of Mesoporous Silica Nanoparticles as Bioresorbable Adhesives for Hydrogels. <i>Chemistry of Materials</i> , 2022, 34, 584-593.	3.2	9
97	Nanoencapsulated Phase-Change Materials: Versatile and Air-Tolerant Platforms for Triplet $\rightarrow$ Triplet Annihilation Upconversion. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4132-4143.	4.0	9
98	Enhancing therapeutic efficacy of human adipose-derived stem cells by modulating photoreceptor expression for advanced wound healing. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	9
99	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.	0.5	8
100	Incorporation of Gold-Coated Microspheres into Embryoid Body of Human Embryonic Stem Cells for Cardiomyogenic Differentiation. <i>Tissue Engineering - Part A</i> , 2015, 21, 374-381.	1.6	8
101	Enzyme free cell detachment using pH-responsive poly(amino ester) for tissue regeneration. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 373-381.	2.9	8
102	Bacterial Adhesion $\rightarrow$ Resistant Poly(2 $\rightarrow$ hydroxyethyl methacrylate) Derivative for Mammalian Cell Cultures. <i>Macromolecular Bioscience</i> , 2012, 12, 211-217.	2.1	7
103	Culture on a 3,4-Dihydroxy- $\rightarrow$ -Phenylalanine-Coated Surface Promotes the Osteogenic Differentiation of Human Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2013, 19, 1255-1263.	1.6	7
104	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> , 2016, 22, 349-362.	1.6	7
105	Bio-application of Inorganic Nanomaterials in Tissue Engineering. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1249, 115-130.	0.8	7
106	Development of a stem cell spheroid $\rightarrow$ laden patch with high retention at skin wound site. <i>Bioengineering and Translational Medicine</i> , 2022, 7, .	3.9	7
107	Anti-coagulating hydroxyethyl starch blended with hyaluronic acid as a novel post-surgical adhesion barrier. <i>Macromolecular Research</i> , 2010, 18, 1076-1080.	1.0	6
108	Topography $\rightarrow$ Guided Control of Local Migratory Behaviors and Protein Expression of Cancer Cells. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700155.	3.9	6

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109	Hierarchically structured 2D silver sheets with fractal network. <i>Journal of Materiomics</i> , 2018, 4, 121-128.	2.8	6
110	Lightwave-reinforced stem cells with enhanced wound healing efficacy. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142110670.	2.3	6
111	Metal Ion Releasing Gold Nanoparticles for Improving Therapeutic Efficiency of Tumor Targeted Photothermal Therapy. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 289-299.	1.6	5
112	Area light source-triggered latent angiogenic molecular mechanisms intensify therapeutic efficacy of adult stem cells. <i>Bioengineering and Translational Medicine</i> , 2022, 7, e10255.	3.9	5
113	Fabrication of Photothermal Film for Deicing Process Based on Gold Nano-Aggregate Encapsulated Yolk-Shell Structure. <i>Science of Advanced Materials</i> , 2021, 13, 1424-1429.	0.1	5
114	Bioreducible Polyspermine-Based Gene Carriers for Efficient siRNA Delivery: Effects of PEG Conjugation on Gene Silencing Efficiency. <i>Macromolecular Research</i> , 2018, 26, 1135-1142.	1.0	4
115	Precise Electrical Detection of Curcumin Cytotoxicity in Human Liver Cancer Cells. <i>Biochip Journal</i> , 2021, 15, 52-60.	2.5	4
116	Enhancing the Angiogenic and Proliferative Capacity of Dermal Fibroblasts with Mulberry (Morus) Tj ETQq0 0 0 rgBTJ Overlock 10 Tf 50	1.6	4
117	Anti-senescence ion-delivering nanocarrier for recovering therapeutic properties of long-term-cultured human adipose-derived stem cells. <i>Journal of Nanobiotechnology</i> , 2021, 19, 352.	4.2	4
118	Enhanced Collection Efficiency of Nanoparticles by Electrostatic Precipitator with Needle-Cylinder Configuration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 6884-6888.	0.9	3
119	Poly(amino ester)-Based Polymers for Gene and Drug Delivery Systems and Further Application toward Cell Culture System. <i>Macromolecular Bioscience</i> , 2021, 21, e2100106.	2.1	3
120	Endothelial Cell-Derived Tethered Lipid Bilayers Generating Nitric Oxide for Endovascular Implantation. <i>ACS Applied Bio Materials</i> , 2021, 4, 6381-6393.	2.3	3
121	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> , 2021, 104, 381-389.	2.9	3
122	Novel angiogenic metal nanoparticles controlling intracellular gene activation in stem cells. <i>Chemical Engineering Journal</i> , 2021, 419, 129487.	6.6	3
123	Phototoxicity-free blue light for enhancing therapeutic angiogenic efficacy of stem cells. <i>Cell Biology and Toxicology</i> , 2021, , 1.	2.4	3
124	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> , 2021, 103, 239-246.	2.9	3
125	Nano-sized Materials for Tissue Regeneration and Immune/Cancer Therapy. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 203-204.	1.6	3
126	A Facile Surface Modification of Polyethylenimine-Stabilized Gold Nanoparticles and Their Enhanced Cytotoxicity. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7043-7048.	0.9	2



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127	Biomimetics: Conductive and Stretchable Adhesive Electronics with Miniaturized Octopus-Like Suckers against Dry/Wet Skin for Biosignal Monitoring (Adv. Funct. Mater. 52/2018). Advanced Functional Materials, 2018, 28, 1870372.	7.8	2
128	Development of pH-Responsive Polymer Coating as an Alternative to Enzyme-Based Stem Cell Dissociation for Cell Therapy. Materials, 2021, 14, 491.	1.8	2
129	Facile Aqueous-Phase Synthesis of Stabilizer-Free Photocatalytic Nanoparticles. Catalysts, 2021, 11, 111.	1.6	2
130	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
131	Environmentally Friendly Route for Fabricating Conductive Agent for Lithium-Ion Batteries: Carbon Nanoparticles Derived from Polyethylene. Catalysts, 2021, 11, 424.	1.6	2
132	2D and 3D co-spatial compartmentalized patch to enhance the therapeutic efficacy of keratinocytes for wound closure. Chemical Engineering Journal, 2021, 409, 128130.	6.6	2
133	Dual Ion Releasing Nanoparticles for Modulating Osteogenic Cellular Microenvironment of Human Mesenchymal Stem Cells. Materials, 2021, 14, 412.	1.3	2
134	Aqueous-phase synthesis of metal nanoparticles using phosphates as stabilizers. Korean Journal of Chemical Engineering, 2017, 34, 231-233.	1.2	1
135	An Environmentally-Conscious Approach to the Synthesis and Separation of Ultrasmall Si Nanoparticles. Journal of Nanoscience and Nanotechnology, 2016, 16, 7091-7095.	0.9	0
136	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. Macromolecular Research, 2018, 26, 1167-1172.	1.0	0
137	Enhanced Chondrogenic Differentiation of Human Adipose-derived Stem Cells with Inverse Opal Scaffolds. Korean Chemical Engineering Research, 2013, 51, 727-732.	0.2	0
138	A Study on the Splitting of Large Gold Nanoparticles by Addition of Aqueous Ascorbic Acid. Science of Advanced Materials, 2021, 13, 1474-1478.	0.1	0