

Byung-Soo Kim

List of PR Articles by Year in descending order

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310

PR articles

19,381

PR citations

4253

76

PR h-index

7593

135

g-index

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22499

doc citations

4570

82

h-index

23902

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Engineered Nanoparticles for Enhanced Antitumoral Synergy Between Macrophages and T Cells in the Tumor Microenvironment. <i>Advanced Materials</i> , 2024, 36, .	24.5	16
2	Spatiotemporal control of neutrophil fate to tune inflammation and repair for myocardial infarction therapy. <i>Nature Communications</i> , 2024, 15, .	13.9	31
3	A Therapeutic Nanovaccine that Generates Anti-amyloid Antibodies and Amyloid-specific Regulatory T Cells for Alzheimer's Disease. <i>Advanced Materials</i> , 2023, 35, .	24.5	45
4	Iron Oxide Nanoparticle-Incorporated Mesenchymal Stem Cells for Alzheimer's Disease Treatment. <i>Nano Letters</i> , 2023, 23, 476-490.	8.7	27
5	Immunomodulation for Tissue Repair and Regeneration. <i>Tissue Engineering and Regenerative Medicine</i> , 2023, 20, 389-409.	3.8	41
6	A Personalized Cancer Vaccine that Induces Synergistic Innate and Adaptive Immune Responses. <i>Advanced Materials</i> , 2023, 35, .	24.5	17
7	A Personalized Cancer Nanovaccine that Enhances T-cell Responses and Efficacy Through Dual Interactions with Dendritic Cells and T Cells. <i>Advanced Materials</i> , 2023, 35, .	24.5	30
8	Ceria-vesicle nanohybrid therapeutic for modulation of innate and adaptive immunity in a collagen-induced arthritis model. <i>Nature Nanotechnology</i> , 2023, 18, 1502-1514.	33.5	114
9	3D Microphysiological System-Inspired Scalable Vascularized Tissue Constructs for Regenerative Medicine. <i>Advanced Functional Materials</i> , 2022, 32, .	17.0	12
10	Local Delivery of Senolytic Drug Inhibits Intervertebral Disc Degeneration and Restores Intervertebral Disc Structure. <i>Advanced Healthcare Materials</i> , 2022, 11, .	8.8	79
11	Nanovesicle-Mediated Targeted Delivery of Immune Checkpoint Blockades to Potentiate Therapeutic Efficacy and Prevent Side Effects. <i>Advanced Materials</i> , 2022, 34, .	24.5	55
12	A human pluripotent stem cell line KUMi004-A generated from a patient with chronic lymphocytic leukemia. <i>Stem Cell Research</i> , 2022, 60, 102668.	0.6	1
13	Functional Extracellular Vesicles for Regenerative Medicine. <i>Small</i> , 2022, 18, .	11.6	60
14	Generation of a human induced pluripotent stem cell line KUMi006 from a patient with multiple myeloma. <i>Stem Cell Research</i> , 2022, 61, 102767.	0.6	0
15	A Senolytic-Eluting Coronary Stent for the Prevention of In-Stent Restenosis. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1921-1929.	5.4	11
16	Tolerogenic nanoparticles induce type II collagen-specific regulatory T cells and ameliorate osteoarthritis. <i>Science Advances</i> , 2022, 8, .	11.0	57
17	Recovery of water-soluble bioactive components from defatted sesame meal using carbon dioxide assisted hydrothermal process. <i>Journal of Supercritical Fluids</i> , 2021, 168, 105069.	4.0	8
18	Predicting in vivo therapeutic efficacy of bioorthogonally labeled endothelial progenitor cells in hind limb ischemia models via non-invasive fluorescence molecular tomography. <i>Biomaterials</i> , 2021, 266, 120472.	12.3	22

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19	Intracellular Uptake Mechanism of Bioorthogonally Conjugated Nanoparticles on Metabolically Engineered Mesenchymal Stem Cells. <i>Bioconjugate Chemistry</i> , 2021, 32, 199-214.	3.9	13
20	The Senolytic Drug JQ1 Removes Senescent Cells via Ferroptosis. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 841-850.	3.8	30
21	Nanoparticle-Mediated Blocking of Excessive Inflammation for Prevention of Heart Failure Following Myocardial Infarction. <i>Small</i> , 2021, 17, .	11.6	43
22	TiO ₂ -Cell-Derived Nanovesicles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2021, 33, .	24.5	67
23	Multilayered Cell Sheets of Cardiac Reprogrammed Cells for the Evaluation of Drug Cytotoxicity. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 807-818.	3.8	5
24	Generation of induced pluripotent stem cell line KUMi002-A with normal karyotype from a patient with Philadelphia chromosome-positive chronic myeloid leukemia. <i>Stem Cell Research</i> , 2021, 55, 102465.	0.6	0
25	Local delivery of a senolytic drug in ischemia and reperfusion-injured heart attenuates cardiac remodeling and restores impaired cardiac function. <i>Acta Biomaterialia</i> , 2021, 135, 520-533.	9.4	55
26	Generation of the induced pluripotent stem cell line KUMi001-A carrying the Philadelphia chromosome from a chronic myeloid leukemia patient. <i>Stem Cell Research</i> , 2021, 55, 102464.	0.6	0
27	Nanocomplex-Mediated In Vivo Programming to Chimeric Antigen Receptor-M1 Macrophages for Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, .	24.5	176
28	Senolytic Therapy for Cerebral Ischemia-Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11967.	4.5	64
29	Comprehensive study on the formation mechanism of highly bioactive compounds from <i>Allium hookeri</i> root using subcritical water and their antioxidant and anticancer effects. <i>Journal of Supercritical Fluids</i> , 2020, 157, 104709.	4.0	16
30	Spontaneous healing of human amnion in the premature rupture of membrane model. <i>Placenta</i> , 2020, 97, 29-35.	1.2	12
31	Generation of an induced pluripotent stem cell line KUMCi001-A from CD34+ bone marrow cells of a patient with acute lymphoblastic leukemia using human placenta-derived cell conditioned medium. <i>Stem Cell Research</i> , 2020, 47, 101913.	0.6	3
32	Umbilical Cord Mesenchymal Stem Cell-Derived Nanovesicles Potentiate the Bone-Formation Efficacy of Bone Morphogenetic Protein 2. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6425.	4.5	12
33	TiO ₂ -Cell-Mimicking Nanoparticles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2020, 32, .	24.5	112
34	Targeted Delivery of Mesenchymal Stem Cell-Derived Nanovesicles for Spinal Cord Injury Treatment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4185.	4.5	55
35	Sensors in heart-on-a-chip: A review on recent progress. <i>Talanta</i> , 2020, 219, 121269.	5.9	57
36	Mesenchymal stem cell-derived magnetic extracellular nanovesicles for targeting and treatment of ischemic stroke. <i>Biomaterials</i> , 2020, 243, 119942.	12.3	278

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37	Heat-Generating Iron Oxide Multigranule Nanoclusters for Enhancing Hyperthermic Efficacy in Tumor Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33483-33491.	8.0	38
38	Prevascularized, multiple-layered cell sheets of direct cardiac reprogrammed cells for cardiac repair. <i>Biomaterials Science</i> , 2020, 8, 4508-4520.	5.7	23
39	Interleukin-4 Gene Transfection and Spheroid Formation Potentiate Therapeutic Efficacy of Mesenchymal Stem Cells for Osteoarthritis. <i>Advanced Healthcare Materials</i> , 2020, 9, .	8.8	43
40	Nanovesicles derived from iron oxide nanoparticles incorporated mesenchymal stem cells for cardiac repair. <i>Science Advances</i> , 2020, 6, .	11.0	158
41	Tumor-targeting glycol chitosan nanocarriers: overcoming the challenges posed by chemotherapeutics. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 835-846.	5.1	12
42	Immunomodulatory Lipocomplex Functionalized with Photosensitizer-Embedded Cancer Cell Membrane Inhibits Tumor Growth and Metastasis. <i>Nano Letters</i> , 2019, 19, 5185-5193.	8.7	94
43	Large scale and integrated platform for digital mass culture of anchorage dependent cells. <i>Nature Communications</i> , 2019, 10, .	13.9	22
44	Cardiac-mimetic cell-culture system for direct cardiac reprogramming. <i>Theranostics</i> , 2019, 9, 6734-6744.	11.5	21
45	Dual-Modal Imaging-Guided Precise Tracking of Bioorthogonally Labeled Mesenchymal Stem Cells in Mouse Brain Stroke. <i>ACS Nano</i> , 2019, 13, 10991-11007.	15.3	70
46	3D hierarchical scaffolds enabled by a post-patternable, reconfigurable, and biocompatible 2D vitrimer film for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3341-3345.	5.6	7
47	Simple and facile preparation of recombinant human bone morphogenetic protein-2 immobilized titanium implant via initiated chemical vapor deposition technique to promote osteogenesis for bone tissue engineering application. <i>Materials Science and Engineering C</i> , 2019, 100, 949-958.	5.8	57
48	Synergistic Oxygen Generation and Reactive Oxygen Species Scavenging by Manganese Ferrite/Ceria Co-decorated Nanoparticles for Rheumatoid Arthritis Treatment. <i>ACS Nano</i> , 2019, 13, 3206-3217.	15.3	500
49	Synthesis and characterization of biocompatible copolymers containing plant-based cardanol and zwitterionic groups for antifouling and bactericidal coating applications. <i>European Polymer Journal</i> , 2019, 112, 688-695.	5.9	23
50	Dual Roles of Graphene Oxide To Attenuate Inflammation and Elicit Timely Polarization of Macrophage Phenotypes for Cardiac Repair. <i>ACS Nano</i> , 2018, 12, 1959-1977.	15.3	243
51	CO ₂ -assisted hydrothermal reactions for ginseng extract. <i>Journal of Supercritical Fluids</i> , 2018, 135, 17-24.	4.0	5
52	Cooperative Catechol-Functionalized Polypept(o)ide Brushes and Ag Nanoparticles for Combination of Protein Resistance and Antimicrobial Activity on Metal Oxide Surfaces. <i>Biomacromolecules</i> , 2018, 19, 1602-1613.	5.2	46
53	Synergistic Therapeutic Effect of Three-Dimensional Stem Cell Clusters and Angiopoietin-1 on Promoting Vascular Regeneration in Ischemic Region. <i>Tissue Engineering - Part A</i> , 2018, 24, 616-630.	2.7	11
54	A Disposable Photovoltaic Patch Controlling Cellular Microenvironment for Wound Healing. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3025.	4.5	14

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55	Modified Magnesium Hydroxide Nanoparticles Inhibit the Inflammatory Response to Biodegradable Poly(lactide-co-glycolide) Implants. <i>ACS Nano</i> , 2018, 12, 6917-6925.	15.3	88
56	Therapeutic Efficacy-Potentiated and Diseased Organ-Targeting Nanovesicles Derived from Mesenchymal Stem Cells for Spinal Cord Injury Treatment. <i>Nano Letters</i> , 2018, 18, 4965-4975.	8.7	167
57	M1 Macrophage-Derived Nanovesicles Potentiate the Anticancer Efficacy of Immune Checkpoint Inhibitors. <i>ACS Nano</i> , 2018, 12, 8977-8993.	15.3	420
58	An Injectable Decellularized Matrix That Improves Mesenchymal Stem Cell Engraftment for Therapeutic Angiogenesis. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2571-2581.	5.4	10
59	Graphene oxide reinforced hydrogels for osteogenic differentiation of human adipose-derived stem cells. <i>RSC Advances</i> , 2017, 7, 20779-20788.	4.4	39
60	Topography-Guided Control of Local Migratory Behaviors and Protein Expression of Cancer Cells. <i>Advanced Healthcare Materials</i> , 2017, 6, .	8.8	10
61	Reversible Cell Layering for Heterogeneous Cell Assembly Mediated by Ionic Cross-Linking of Chitosan and a Functionalized Cell Surface Membrane. <i>Chemistry of Materials</i> , 2017, 29, 5294-5305.	6.7	9
62	Cellular Layer-by-Layer Coculture Platform Using Biodegradable, Nanoarchitected Membranes for Stem Cell Therapy. <i>Chemistry of Materials</i> , 2017, 29, 5134-5147.	6.7	18
63	Stretchable Piezoelectric Substrate Providing Pulsatile Mechanoelectric Cues for Cardiomyogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22101-22111.	8.0	31
64	In Vivo stem cell tracking with imageable nanoparticles that bind bioorthogonal chemical receptors on the stem cell surface. <i>Biomaterials</i> , 2017, 139, 12-29.	12.3	74
65	Gold Nanoparticle/Graphene Oxide Hybrid Sheets Attached on Mesenchymal Stem Cells for Effective Photothermal Cancer Therapy. <i>Chemistry of Materials</i> , 2017, 29, 3461-3476.	6.7	87
66	Artificial Slanted Nanocilia Array as a Mechanotransducer for Controlling Cell Polarity. <i>ACS Nano</i> , 2017, 11, 730-741.	15.3	24
67	Therapeutic Angiogenesis via Solar Cell-Facilitated Electrical Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38344-38355.	8.0	38
68	Lineage Specific Differentiation of Magnetic Nanoparticle-Based Size Controlled Human Embryoid Body. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1719-1729.	5.4	7
69	Antibacterial and biocompatible ABA-triblock copolymers containing perfluoropolyether and plant-based cardanol for versatile coating applications. <i>RSC Advances</i> , 2017, 7, 38091-38099.	4.4	22
70	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, .	17.0	59
71	Modelling APOE ϵ 3/4 allele-associated sporadic Alzheimer's disease in an induced neuron. <i>Brain</i> , 2017, 140, 2193-2209.	8.5	29
72	Zinc Oxide Nanorod-Based Piezoelectric Dermal Patch for Wound Healing. <i>Advanced Functional Materials</i> , 2017, 27, .	17.0	192

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73	Generation of Integration-Free Induced Neurons Using Graphene Oxide-Polyethylenimine. <i>Small</i> , 2017, 13, .	11.6	34
74	Preparation of mechanically enhanced hydrogel scaffolds by incorporating interfacial polymer nanorods for nerve electrode application. <i>Fibers and Polymers</i> , 2017, 18, 2248-2254.	2.0	6
75	Efficient Direct Lineage Reprogramming of Fibroblasts into Induced Cardiomyocytes Using Nanotopographical Cues. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 269-279.	0.5	10
76	Therapeutic angiogenesis using tumor cell-conditioned medium. <i>Biotechnology Progress</i> , 2016, 32, 456-464.	2.9	9
77	In vivo monitoring of angiogenesis in a mouse hindlimb ischemia model using fluorescent peptide-based probes. <i>Amino Acids</i> , 2016, 48, 1641-1654.	2.3	4
78	Enhanced biocompatibility in poly(3-hexylthiophene)-based organic thin-film transistors upon blending with poly(2-(2-acetoxyacetyl)ethyl methacrylate). <i>RSC Advances</i> , 2016, 6, 16540-16547.	4.4	8
79	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.	11.1	112
80	Enhanced Bone Repair by Guided Osteoblast Recruitment Using Topographically Defined Implant. <i>Tissue Engineering - Part A</i> , 2016, 22, 654-664.	2.7	36
81	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.	2.7	9
82	Administration of tauroursodeoxycholic acid enhances osteogenic differentiation of bone marrow-derived mesenchymal stem cells and bone regeneration. <i>Bone</i> , 2016, 83, 73-81.	3.6	33
83	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 86-96.	6.3	61
84	Ridge regeneration of damaged extraction sockets using rhBMP-2: an experimental study in canine. <i>Journal of Clinical Periodontology</i> , 2015, 42, 678-687.	6.6	52
85	Reduction of Adipose Tissue Formation by the Controlled Release of BMP-2 Using a Hydroxyapatite-Coated Collagen Carrier System for Sinus-Augmentation/Extraction-Socket Grafting. <i>Materials</i> , 2015, 8, 7634-7649.	2.9	14
86	In situ hybridization of carbon nanotubes with bacterial cellulose for three-dimensional hybrid bioscaffolds. <i>Biomaterials</i> , 2015, 58, 93-102.	12.3	90
87	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.	2.7	42
88	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.	2.7	29
89	Behaviors of stem cells on carbon nanotube. <i>Biomaterials Research</i> , 2015, 19, .	8.9	47
90	Iron Oxide Nanoparticle-Mediated Development of Cellular Gap Junction Crosstalk to Improve Mesenchymal Stem Cells' Therapeutic Efficacy for Myocardial Infarction. <i>ACS Nano</i> , 2015, 9, 2805-2819.	15.3	139

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91	Nanogrooved substrate promotes direct lineage reprogramming of fibroblasts to functional induced dopaminergic neurons. <i>Biomaterials</i> , 2015, 45, 36-45.	12.3	79
92	pH-triggered release of manganese from MnAu nanoparticles that enables cellular neuronal differentiation without cellular toxicity. <i>Biomaterials</i> , 2015, 55, 33-43.	12.3	34
93	Graphene Oxide Flakes as a Cellular Adhesive: Prevention of Reactive Oxygen Species Mediated Death of Implanted Cells for Cardiac Repair. <i>ACS Nano</i> , 2015, 9, 4987-4999.	15.3	231
94	Graphene Potentiates the Myocardial Repair Efficacy of Mesenchymal Stem Cells by Stimulating the Expression of Angiogenic Growth Factors and Gap Junction Protein. <i>Advanced Functional Materials</i> , 2015, 25, 2590-2600.	17.0	131
95	Integration of mesenchymal stem cells with nanobiomaterials for the repair of myocardial infarction. <i>Advanced Drug Delivery Reviews</i> , 2015, 95, 15-28.	15.6	40
96	Nanothin Coculture Membranes with Tunable Pore Architecture and Thermoresponsive Functionality for Transfer-Printable Stem Cell-Derived Cardiac Sheets. <i>ACS Nano</i> , 2015, 9, 10186-10202.	15.3	48
97	Mesenchymal Stem Cells Aggregate and Deliver Gold Nanoparticles to Tumors for Photothermal Therapy. <i>ACS Nano</i> , 2015, 9, 9678-9690.	15.3	178
98	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.	2.7	8
99	Adhesive barrier/directional controlled release for cartilage repair by endogenous progenitor cell recruitment. <i>Biomaterials</i> , 2015, 39, 173-181.	12.3	45
100	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.	1.6	40
101	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.	10.7	122
102	Controlled release of BMP-2 using a heparin-conjugated carrier system reduces <i>in vivo</i> adipose tissue formation. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 545-554.	4.3	21
103	Efficacious and Clinically Relevant Conditioned Medium of Human Adipose-derived Stem Cells for Therapeutic Angiogenesis. <i>Molecular Therapy</i> , 2014, 22, 862-872.	10.4	158
104	Three-dimensional Scaffolds of Carbonized Polyacrylonitrile for Bone Tissue Regeneration. <i>Angewandte Chemie</i> , 2014, 126, 9367-9371.	1.4	13
105	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.	17.0	160
106	Control of adult stem cell behavior with biomaterials. <i>Tissue Engineering and Regenerative Medicine</i> , 2014, 11, 423-430.	3.8	14
107	Apatite-Coated Collagen Sponge for the Delivery of Bone Morphogenetic Protein-2 in Rabbit Posterolateral Lumbar Fusion. <i>Artificial Organs</i> , 2014, 38, 893-899.	1.8	6
108	Non-invasive optical imaging of cathepsin B with activatable fluorogenic nanoprobe in various metastatic models. <i>Biomaterials</i> , 2014, 35, 2302-2311.	12.3	54

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109	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.	8.8	152
110	Biocompatible Ag nanoparticle-embedded poly(2-hydroxyethyl methacrylate) derivative films with bacterial adhesion-resistant and antibacterial properties. <i>Macromolecular Research</i> , 2014, 22, 337-343.	2.8	8
111	Chitosan-g-hematin: Enzyme-mimicking polymeric catalyst for adhesive hydrogels. <i>Acta Biomaterialia</i> , 2014, 10, 224-233.	9.4	69
112	Graphene enhances the cardiomyogenic differentiation of human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 174-180.	2.1	102
113	Bone morphogenetic protein-2 for bone regeneration – Dose reduction through graphene oxide-based delivery. <i>Carbon</i> , 2014, 78, 428-438.	10.7	38
114	Hyaluronate-Gold Nanoparticle/Tocilizumab Complex for the Treatment of Rheumatoid Arthritis. <i>ACS Nano</i> , 2014, 8, 4790-4798.	15.3	210
115	Three-Dimensional Scaffolds of Carbonized Polyacrylonitrile for Bone Tissue Regeneration. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9213-9217.	14.4	40
116	The role of tauroursodeoxycholic acid on adipogenesis of human adipose-derived stem cells by modulation of ER stress. <i>Biomaterials</i> , 2014, 35, 2851-2858.	12.3	44
117	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.	2.7	34
118	Injectable multifunctional microgel encapsulating outgrowth endothelial cells and growth factors for enhanced neovascularization. <i>Journal of Controlled Release</i> , 2014, 187, 1-13.	11.1	105
119	Delivery of a Therapeutic Protein for Bone Regeneration from a Substrate Coated with Graphene Oxide. <i>Small</i> , 2013, 9, 4051-4060.	11.6	192
120	Enhanced random skin flap survival by sustained delivery of fibroblast growth factor 2 in rats. <i>ANZ Journal of Surgery</i> , 2013, 83, 354-358.	0.8	15
121	In Vivo fluorescence imaging for cancer diagnosis using receptor-targeted epidermal growth factor-based nanoprobe. <i>Biomaterials</i> , 2013, 34, 9149-9159.	12.3	35
122	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.	2.1	28
123	Non-invasive optical imaging of matrix metalloproteinase activity with albumin-based fluorogenic nanoprobe during angiogenesis in a mouse hindlimb ischemia model. <i>Biomaterials</i> , 2013, 34, 6871-6881.	12.3	15
124	Enhanced neuronal differentiation of pheochromocytoma 12 cells on polydopamine-modified surface. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1294-1300.	2.1	34
125	Therapeutic angiogenesis by a myoblast layer harvested by tissue transfer printing from cell-adhesive, thermosensitive hydrogels. <i>Biomaterials</i> , 2013, 34, 8258-8268.	12.3	19
126	Mutual effect of subcutaneously transplanted human adipose-derived stem cells and pancreatic islets within fibrin gel. <i>Biomaterials</i> , 2013, 34, 7247-7256.	12.3	42

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127	Controlled Delivery of Low-Dose Bone Morphogenetic Protein-2 Using Heparin-Conjugated Fibrin in the Posterolateral Lumbar Fusion of Rabbits. <i>Artificial Organs</i> , 2013, 37, 487-494.	1.8	20
128	pH-Responsive Assembly of Gold Nanoparticles and α -Spatiotemporally Concerted Drug Release for Synergistic Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 3388-3402.	15.3	176
129	Stem cell recruitment and angiogenesis of neuropeptide substance P coupled with self-assembling peptide nanofiber in a mouse hind limb ischemia model. <i>Biomaterials</i> , 2013, 34, 1657-1668.	12.3	104
130	Culture on a 3,4-Dihydroxy-Phenylalanine-Coated Surface Promotes the Osteogenic Differentiation of Human Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2013, 19, 1255-1263.	2.7	8
131	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.	2.7	48
132	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.	2.7	26
133	Cartilage Tissue Formation from Dedifferentiated Chondrocytes by Codelivery of BMP-2 and SOX-9 Genes Encoding Bicistronic Vector. <i>Cell Transplantation</i> , 2013, 22, 1519-1528.	2.7	42
134	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.	1.2	8
135	Three-Dimensional Cell Grafting Enhances the Angiogenic Efficacy of Human Umbilical Vein Endothelial Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 310-319.	2.7	46
136	Transplantation of Cord Blood Mesenchymal Stem Cells as Spheroids Enhances Vascularization. <i>Tissue Engineering - Part A</i> , 2012, 18, 2138-2147.	2.7	190
137	In Situ Cardiomyogenic Differentiation of Implanted Bone Marrow Mononuclear Cells by Local Delivery of Transforming Growth Factor- β 1. <i>Cell Transplantation</i> , 2012, 21, 299-312.	2.7	13
138	Comparison between heparin-conjugated fibrin and collagen sponge as bone morphogenetic protein-2 carriers for bone regeneration. <i>Experimental and Molecular Medicine</i> , 2012, 44, 350.	11.6	89
139	Efficient Bone Regeneration Induced by Bone Morphogenetic Protein-2 Released from Apatite-Coated Collagen Scaffolds. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1659-1671.	3.4	14
140	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.	1.8	26
141	Lumbar Posterolateral Fusion Using Heparin-Conjugated Fibrin for Sustained Delivery of Bone Morphogenetic Protein-2 in a Rabbit Model. <i>Artificial Organs</i> , 2012, 36, 629-634.	1.8	12
142	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.	5.2	52
143	Enhancement of long-term angiogenic efficacy of adipose stem cells by delivery of FGF2. <i>Microvascular Research</i> , 2012, 84, 1-8.	2.6	28
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