

Byung-Soo Kim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

349
papers

18,222
citations

75
h-index

120
g-index

352
ext. papers

20,057
ext. citations

7.3
avg, IF

6.54
L-index

#	Paper	IF	Citations
349	A human pluripotent stem cell line KUMi004-A generated from a patient with chronic lymphocytic leukemia.. <i>Stem Cell Research</i> , 2022 , 60, 102668	1.6	
348	Functional Extracellular Vesicles for Regenerative Medicine.. <i>Small</i> , 2022 , e2106569	11	1
347	Generation of a human induced pluripotent stem cell line KUMi006 from a patient with multiple myeloma.. <i>Stem Cell Research</i> , 2022 , 61, 102767	1.6	
346	A Senolytic-Eluting Coronary Stent for the Prevention of In-Stent Restenosis.. <i>ACS Biomaterials Science and Engineering</i> , 2022 ,	5.5	1
345	Nanovesicle-mediated targeted delivery of immune checkpoint blockades to potentiate therapeutic efficacy and prevent side effects.. <i>Advanced Materials</i> , 2021 , e2106516	24	4
344	Senolytic Therapy for Cerebral Ischemia-Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
343	Local Delivery of Senolytic Drug Inhibits Intervertebral Disc Degeneration and Restores Intervertebral Disc Structure. <i>Advanced Healthcare Materials</i> , 2021 , e2101483	10.1	6
342	The Senolytic Drug JQ1 Removes Senescent Cells via Ferroptosis. <i>Tissue Engineering and Regenerative Medicine</i> , 2021 , 18, 841-850	4.5	6
341	Nanoparticle-Mediated Blocking of Excessive Inflammation for Prevention of Heart Failure Following Myocardial Infarction. <i>Small</i> , 2021 , 17, e2101207	11	7
340	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	4.2	1
339	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	15.6	3
338	Intracellular Uptake Mechanism of Bioorthogonally Conjugated Nanoparticles on Metabolically Engineered Mesenchymal Stem Cells. <i>Bioconjugate Chemistry</i> , 2021 , 32, 199-214	6.3	4
337	Defining the role of transforming growth factor β in Foxp3 T regulatory cells. <i>Immunity</i> , 2021 , 54, 393-399	12.3	3
336	T-Cell-Derived Nanovesicles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2021 , 33, e2101110	24	5
335	Multilayered Cell Sheets of Cardiac Reprogrammed Cells for the Evaluation of Drug Cytotoxicity. <i>Tissue Engineering and Regenerative Medicine</i> , 2021 , 18, 807-818	4.5	0
334	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	1.6	
333	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	10.8	8

332	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	1.6	
331	Nanocomplex-Mediated In Vivo Programming to Chimeric Antigen Receptor-M1 Macrophages for Cancer Therapy. <i>Advanced Materials</i> , 2021 , 33, e2103258	24	12
330	Inhibition of topoisomerase I shapes antitumor immunity through the induction of monocyte-derived dendritic cells. <i>Cancer Letters</i> , 2021 , 520, 38-47	9.9	0
329	Targeted Delivery of Mesenchymal Stem Cell-Derived Nanovesicles for Spinal Cord Injury Treatment. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
328	Sensors in heart-on-a-chip: A review on recent progress. <i>Talanta</i> , 2020 , 219, 121269	6.2	16
327	Mesenchymal stem cell-derived magnetic extracellular nanovesicles for targeting and treatment of ischemic stroke. <i>Biomaterials</i> , 2020 , 243, 119942	15.6	68
326	Heat-Generating Iron Oxide Multigranule Nanoclusters for Enhancing Hyperthermic Efficacy in Tumor Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33483-33491	9.5	12
325	Prevascularized, multiple-layered cell sheets of direct cardiac reprogrammed cells for cardiac repair. <i>Biomaterials Science</i> , 2020 , 8, 4508-4520	7.4	7
324	Interleukin-4 Gene Transfection and Spheroid Formation Potentiate Therapeutic Efficacy of Mesenchymal Stem Cells for Osteoarthritis. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901612	10.1	13
323	Nanovesicles derived from iron oxide nanoparticles-incorporated mesenchymal stem cells for cardiac repair. <i>Science Advances</i> , 2020 , 6, eaaz0952	14.3	49
322	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	4.2	7
321	Spontaneous healing of human amnion in the premature rupture of membrane model. <i>Placenta</i> , 2020 , 97, 29-35	3.4	2
320	Enhanced Immunogenicity of Engineered HER2 Antigens Potentiates Antitumor Immune Responses. <i>Vaccines</i> , 2020 , 8,	5.3	1
319	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	1.6	3
318	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,	6.3	2
317	T-Cell-Mimicking Nanoparticles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2020 , 32, e2003368	24	27
316	Dual-Modal Imaging-Guided Precise Tracking of Bioorthogonally Labeled Mesenchymal Stem Cells in Mouse Brain Stroke. <i>ACS Nano</i> , 2019 , 13, 10991-11007	16.7	33
315	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	7.3	4

314	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	8.3	21
313	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	16.7	171
312	Tumor-targeting glycol chitosan nanocarriers: overcoming the challenges posed by chemotherapeutics. <i>Expert Opinion on Drug Delivery</i> , 2019 , 16, 835-846	8	5
311	Immunomodulatory Lipocomplex Functionalized with Photosensitizer-Embedded Cancer Cell Membrane Inhibits Tumor Growth and Metastasis. <i>Nano Letters</i> , 2019 , 19, 5185-5193	11.5	41
310	Large scale and integrated platform for digital mass culture of anchorage dependent cells. <i>Nature Communications</i> , 2019 , 10, 4824	17.4	12
309	Cardiac-mimetic cell-culture system for direct cardiac reprogramming. <i>Theranostics</i> , 2019 , 9, 6734-6744	12.1	8
308	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	5.2	8
307	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	16.7	116
306	CO ₂ -assisted hydrothermal reactions for ginseng extract. <i>Journal of Supercritical Fluids</i> , 2018 , 135, 17-24	4.2	3
305	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	6.9	29
304	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	11.5	78
303	M1 Macrophage-Derived Nanovesicles Potentiate the Anticancer Efficacy of Immune Checkpoint Inhibitors. <i>ACS Nano</i> , 2018 , 12, 8977-8993	16.7	146
302	An Injectable Decellularized Matrix That Improves Mesenchymal Stem Cell Engraftment for Therapeutic Angiogenesis. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2571-2581	5.5	6
301	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	3.9	7
300	Regulatory T Cell-Mediated Tissue Repair. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1064, 221-233	3.6	8
299	A Disposable Photovoltaic Patch Controlling Cellular Microenvironment for Wound Healing. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	6
298	Modified Magnesium Hydroxide Nanoparticles Inhibit the Inflammatory Response to Biodegradable Poly(lactide- co-glycolide) Implants. <i>ACS Nano</i> , 2018 , 12, 6917-6925	16.7	48
297	Graphene oxide reinforced hydrogels for osteogenic differentiation of human adipose-derived stem cells. <i>RSC Advances</i> , 2017 , 7, 20779-20788	3.7	26

296	Topography-Guided Control of Local Migratory Behaviors and Protein Expression of Cancer Cells. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700155	10.1	3
295	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	9.6	5
294	Cellular Layer-by-Layer Coculture Platform Using Biodegradable, Nanoarchitected Membranes for Stem Cell Therapy. <i>Chemistry of Materials</i> , 2017 , 29, 5134-5147	9.6	14
293	Stretchable Piezoelectric Substrate Providing Pulsatile Mechanoelectric Cues for Cardiomyogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22101-22111	9.5	15
292	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	15.6	46
291	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	9.6	65
290	Artificial Slanted Nanocilia Array as a Mechanotransducer for Controlling Cell Polarity. <i>ACS Nano</i> , 2017 , 11, 730-741	16.7	21
289	Therapeutic Angiogenesis via Solar Cell-Facilitated Electrical Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38344-38355	9.5	17
288	Efficient Direct Lineage Reprogramming of Fibroblasts into Induced Cardiomyocytes Using Nanotopographical Cues. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 269-79	4	6
287	Lineage Specific Differentiation of Magnetic Nanoparticle-Based Size Controlled Human Embryoid Body. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1719-1729	5.5	2
286	Antibacterial and biocompatible ABA-triblock copolymers containing perfluoropolyether and plant-based cardanol for versatile coating applications. <i>RSC Advances</i> , 2017 , 7, 38091-38099	3.7	7
285	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	15.6	24
284	Modelling APOE e3/4 allele-associated sporadic Alzheimer's disease in an induced neuron. <i>Brain</i> , 2017 , 140, 2193-2209	11.2	14
283	Zinc Oxide Nanorod-Based Piezoelectric Dermal Patch for Wound Healing. <i>Advanced Functional Materials</i> , 2017 , 27, 1603497	15.6	72
282	Generation of Integration-Free Induced Neurons Using Graphene Oxide-Polyethylenimine. <i>Small</i> , 2017 , 13, 1601993	11	25
281	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	4
280	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
279	Enhanced Bone Repair by Guided Osteoblast Recruitment Using Topographically Defined Implant. <i>Tissue Engineering - Part A</i> , 2016 , 22, 654-64	3.9	25

278	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, 349-62	3.9	4
277	Administration of tauroursodeoxycholic acid enhances osteogenic differentiation of bone marrow-derived mesenchymal stem cells and bone regeneration. <i>Bone</i> , 2016 , 83, 73-81	4.7	13
276	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 86-96	9.4	36
275	Therapeutic angiogenesis using tumor cell-conditioned medium. <i>Biotechnology Progress</i> , 2016 , 32, 456-64	8	9
274	In vivo monitoring of angiogenesis in a mouse hindlimb ischemia model using fluorescent peptide-based probes. <i>Amino Acids</i> , 2016 , 48, 1641-54	3.5	3
273	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	3.7	5
272	pH-triggered release of manganese from MnAu nanoparticles that enables cellular neuronal differentiation without cellular toxicity. <i>Biomaterials</i> , 2015 , 55, 33-43	15.6	25
271	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, 4987-99	16.7	164
270	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	15.6	85
269	Integration of mesenchymal stem cells with nanobiomaterials for the repair of myocardial infarction. <i>Advanced Drug Delivery Reviews</i> , 2015 , 95, 15-28	18.5	29
268	Nanothin Coculture Membranes with Tunable Pore Architecture and Thermoresponsive Functionality for Transfer-Printable Stem Cell-Derived Cardiac Sheets. <i>ACS Nano</i> , 2015 , 9, 10186-202	16.7	37
267	Mesenchymal Stem Cells Aggregate and Deliver Gold Nanoparticles to Tumors for Photothermal Therapy. <i>ACS Nano</i> , 2015 , 9, 9678-90	16.7	126
266	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
265	Adhesive barrier/directional controlled release for cartilage repair by endogenous progenitor cell recruitment. <i>Biomaterials</i> , 2015 , 39, 173-81	15.6	35
264	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	2.5	28
263	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	10.4	97
262	Controlled release of BMP-2 using a heparin-conjugated carrier system reduces in vivo adipose tissue formation. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 545-54	5.4	16
261	Ridge regeneration of damaged extraction sockets using rhBMP-2: an experimental study in canine. <i>Journal of Clinical Periodontology</i> , 2015 , 42, 678-87	7.7	28

260	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	3.5	11
259	In situ hybridization of carbon nanotubes with bacterial cellulose for three-dimensional hybrid bioscaffolds. <i>Biomaterials</i> , 2015 , 58, 93-102	15.6	62
258	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, 1275-87	3.9	27
257	Transplantation of heterospheroids of islet cells and mesenchymal stem cells for effective angiogenesis and antiapoptosis. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1024-35	3.9	26
256	Behaviors of stem cells on carbon nanotube. <i>Biomaterials Research</i> , 2015 , 19, 3	16.8	35
255	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, 2805-19	16.7	102
254	Nanogrooved substrate promotes direct lineage reprogramming of fibroblasts to functional induced dopaminergic neurons. <i>Biomaterials</i> , 2015 , 45, 36-45	15.6	50
253	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, 176-81	10.1	117
252	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	1.9	8
251	Chitosan-g-hematin: enzyme-mimicking polymeric catalyst for adhesive hydrogels. <i>Acta Biomaterialia</i> , 2014 , 10, 224-33	10.8	53
250	Graphene enhances the cardiomyogenic differentiation of human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 452, 174-80	3.4	83
249	Bone morphogenetic protein-2 for bone regeneration Dose reduction through graphene oxide-based delivery. <i>Carbon</i> , 2014 , 78, 428-438	10.4	35
248	Hyaluronate-gold nanoparticle/tocilizumab complex for the treatment of rheumatoid arthritis. <i>ACS Nano</i> , 2014 , 8, 4790-8	16.7	136
247	Three-dimensional scaffolds of carbonized polyacrylonitrile for bone tissue regeneration. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9213-7	16.4	28
246	The role of tauroursodeoxycholic acid on adipogenesis of human adipose-derived stem cells by modulation of ER stress. <i>Biomaterials</i> , 2014 , 35, 2851-8	15.6	30
245	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
244	Injectable multifunctional microgel encapsulating outgrowth endothelial cells and growth factors for enhanced neovascularization. <i>Journal of Controlled Release</i> , 2014 , 187, 1-13	11.7	73
243	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, 107-16	7.3	47

242	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
241	Three-Dimensional Scaffolds of Carbonized Polyacrylonitrile for Bone Tissue Regeneration. <i>Angewandte Chemie</i> , 2014 , 126, 9367-9371	3.6	12
240	Treatment of FGF-2 on stem cells from inflamed dental pulp tissue from human deciduous teeth. <i>Oral Diseases</i> , 2014 , 20, 191-204	3.5	43
239	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	15.6	112
238	Control of adult stem cell behavior with biomaterials. <i>Tissue Engineering and Regenerative Medicine</i> , 2014 , 11, 423-430	4.5	14
237	Apatite-coated collagen sponge for the delivery of bone morphogenetic protein-2 in rabbit posterolateral lumbar fusion. <i>Artificial Organs</i> , 2014 , 38, 893-9	2.6	6
236	Non-invasive optical imaging of cathepsin B with activatable fluorogenic nanoprobe in various metastatic models. <i>Biomaterials</i> , 2014 , 35, 2302-11	15.6	43
235	Culture of neural cells and stem cells on graphene. <i>Tissue Engineering and Regenerative Medicine</i> , 2013 , 10, 39-46	4.5	84
234	Delivery of a therapeutic protein for bone regeneration from a substrate coated with graphene oxide. <i>Small</i> , 2013 , 9, 4051-60	11	147
233	Enhanced random skin flap survival by sustained delivery of fibroblast growth factor 2 in rats. <i>ANZ Journal of Surgery</i> , 2013 , 83, 354-8	1	13
232	In vivo fluorescence imaging for cancer diagnosis using receptor-targeted epidermal growth factor-based nanoprobe. <i>Biomaterials</i> , 2013 , 34, 9149-59	15.6	31
231	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
230	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, 6871-81	15.6	11
229	Enhanced neuronal differentiation of pheochromocytoma 12 cells on polydopamine-modified surface. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 1294-300	3.4	23
228	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
227	Mutual effect of subcutaneously transplanted human adipose-derived stem cells and pancreatic islets within fibrin gel. <i>Biomaterials</i> , 2013 , 34, 7247-56	15.6	33
226	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, 487-94	2.6	17
225	pH-responsive assembly of gold nanoparticles and "spatiotemporally concerted" drug release for synergistic cancer therapy. <i>ACS Nano</i> , 2013 , 7, 3388-402	16.7	148

224	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, 1657-68	15.6	80
223	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> , 2013 , 19, 1255-63	3.9	7
222	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
221	Platelet-rich plasma enhances the dermal regeneration efficacy of human adipose-derived stromal cells administered to skin wounds. <i>Cell Transplantation</i> , 2013 , 22, 437-45	4	21
220	Cartilage tissue formation from dedifferentiated chondrocytes by codelivery of BMP-2 and SOX-9 genes encoding bicistronic vector. <i>Cell Transplantation</i> , 2013 , 22, 1519-28	4	33
219	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
218	Dual roles of hyaluronic acids in multilayer films capturing nanocarriers for drug-eluting coatings. <i>Biomaterials</i> , 2012 , 33, 5468-77	15.6	27
217	Dose- and time-dependent effects of recombinant human bone morphogenetic protein-2 on the osteogenic and adipogenic potentials of alveolar bone-derived stromal cells. <i>Journal of Periodontal Research</i> , 2012 , 47, 645-54	4.3	14
216	Effect of humoral factors from hPDLSCs on the biologic activity of hABCs. <i>Oral Diseases</i> , 2012 , 18, 537-43	3.5	8
215	The clinical effect of locally delivered minocycline in association with flap surgery for the treatment of chronic severe periodontitis: a split-mouth design. <i>Journal of Clinical Periodontology</i> , 2012 , 39, 753-9	7.7	7
214	Bacterial adhesion-resistant poly(2-hydroxyethyl methacrylate) derivative for mammalian cell cultures. <i>Macromolecular Bioscience</i> , 2012 , 12, 211-7	5.5	7
213	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
212	Porous Poly(Lactic-Co-Glycolic Acid) Microsphere as Cell Culture Substrate and Cell Transplantation Vehicle 2012 , 355-364		
211	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, 350-5	12.8	73
210	Novel application of human periodontal ligament stem cells and water-soluble chitin for collagen tissue regeneration: in vitro and in vivo investigations. <i>Tissue Engineering - Part A</i> , 2012 , 18, 643-53	3.9	18
209	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, 1659-71	3.5	11
208	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
207	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, 629-34	2.6	11

206	Self-assembled extracellular macromolecular matrices and their different osteogenic potential with preosteoblasts and rat bone marrow mesenchymal stromal cells. <i>Biomacromolecules</i> , 2012 , 13, 2811-20	6.9	48
205	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
204	3,4-dihydroxyphenylalanine-assisted hydroxyapatite nanoparticle coating on polymer scaffolds for efficient osteoconduction. <i>Tissue Engineering - Part C: Methods</i> , 2012 , 18, 245-51	2.9	20
203	In vivo tracking of mesenchymal stem cells using fluorescent nanoparticles in an osteochondral repair model. <i>Molecular Therapy</i> , 2012 , 20, 1434-42	11.7	53
202	Enhanced cartilage formation via three-dimensional cell engineering of human adipose-derived stem cells. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1949-56	3.9	107
201	Novel analysis model for implant osseointegration using ectopic bone formation via the recombinant human bone morphogenetic protein-2/macroporous biphasic calcium phosphate block system in rats: a proof-of-concept study. <i>Journal of Periodontal and Implant Science</i> , 2012 , 42, 136-43	2	5
200	Measurement of MMP Activity in Synovial Fluid in Cases of Osteoarthritis and Acute Inflammatory Conditions of the Knee Joints Using a Fluorogenic Peptide Probe-Immobilized Diagnostic Kit. <i>Theranostics</i> , 2012 , 2, 198-206	12.1	19
199	Therapeutic effects of human adipose stem cell-conditioned medium on stroke. <i>Journal of Neuroscience Research</i> , 2012 , 90, 1794-802	4.4	82
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