

Jeroen van den Beucken

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.

204
papers

6,120
citations

42
h-index

68
g-index

217
ext. papers

7,127
ext. citations

6.4
avg, IF

5.83
L-index

#	Paper	IF	Citations
204	Species-independent stimulation of osteogenic differentiation induced by osteoclasts.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 606, 149-155	3.4	1
203	Dual-functional porous and cisplatin-loaded polymethylmethacrylate cement for reconstruction of load-bearing bone defect kills bone tumor cells.. <i>Bioactive Materials</i> , 2022 , 15, 120-130	16.7	0
202	Copper source determines chemistry and topography of implant coatings to optimally couple cellular responses and antibacterial activity.. <i>Materials Science and Engineering C</i> , 2021 , 112550	8.3	1
201	Coupling between macrophage phenotype, angiogenesis and bone formation by calcium phosphates. <i>Materials Science and Engineering C</i> , 2021 , 122, 111948	8.3	7
200	A long-term controlled drug-delivery with anionic beta cyclodextrin complex in layer-by-layer coating for percutaneous implants devices. <i>Carbohydrate Polymers</i> , 2021 , 257, 117604	10.3	9
199	Regenerating Critical Size Rat Segmental Bone Defects with a Self-Healing Hybrid Nanocomposite Hydrogel: Effect of Bone Condition and BMP-2 Incorporation. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100088	5.5	1
198	A Practical Procedure for the Generation of Human Osteoclasts and Their Characterization. <i>Tissue Engineering - Part C: Methods</i> , 2021 , 27, 421-432	2.9	0
197	Calcium phosphate cements: Optimization toward biodegradability. <i>Acta Biomaterialia</i> , 2021 , 119, 6985	10.8	19
196	Impact of Single or Combined Drug Therapy on Bone Regeneration in Healthy and Osteoporotic Rats. <i>Tissue Engineering - Part A</i> , 2021 , 27, 572-581	3.9	
195	Bone tumor-targeted delivery of theranostic Pt-bisphosphonate complexes promotes killing of metastatic tumor cells. <i>Materials Today Bio</i> , 2021 , 9, 100088	9.9	7
194	Effect of Osteoporosis on Well-Integrated Bone Implants. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 723	2.6	
193	Effect of Systemic Zoledronic Acid Dosing Regimens on Bone Regeneration in Osteoporotic Rats. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1906	2.6	
192	Evaluation of the inflammatory responses to sol-gel coatings with distinct biocompatibility levels. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 1539-1548	5.4	1
191	Bilayered, peptide-biofunctionalized hydrogels for in vivo osteochondral tissue repair. <i>Acta Biomaterialia</i> , 2021 , 128, 120-129	10.8	3
190	Innovative implant design for continuous implant stability: A mechanical and histological experimental study in the iliac crest of goats. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 122, 104651	4.1	1
189	A lean magnesium-zinc-calcium alloy ZX00 used for bone fracture stabilization in a large growing-animal model. <i>Acta Biomaterialia</i> , 2020 , 113, 646-659	10.8	10
188	Preclinical evaluation of platinum-loaded hydroxyapatite nanoparticles in an embryonic zebrafish xenograft model. <i>Nanoscale</i> , 2020 , 12, 13582-13594	7.7	7

187	Pre-Clinical Evaluation of Biological Bone Substitute Materials for Application in Highly Loaded Skeletal Sites. <i>Biomolecules</i> , 2020 , 10,	5.9	3
186	An Ovine Model of Bioreactor-Based Bone Generation. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 384-396	2.9	2
185	Early-stage macroporosity enhancement in calcium phosphate cements by inclusion of poly(N-vinylpyrrolidone) particles as a porogen. <i>Materials Today Communications</i> , 2020 , 23, 100901	2.5	5
184	Control of Matrix Stiffness Using Methacrylate-Gelatin Hydrogels for a Macrophage-Mediated Inflammatory Response. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3091-3102	5.5	22
183	Platinum-loaded, selenium-doped hydroxyapatite nanoparticles selectively reduce proliferation of prostate and breast cancer cells co-cultured in the presence of stem cells. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2792-2804	7.3	16
182	Targeting of radioactive platinum-bisphosphonate anticancer drugs to bone of high metabolic activity. <i>Scientific Reports</i> , 2020 , 10, 5889	4.9	9
181	Tough and injectable fiber reinforced calcium phosphate cement as an alternative to polymethylmethacrylate cement for vertebral augmentation: a biomechanical study. <i>Biomaterials Science</i> , 2020 , 8, 4239-4250	7.4	3
180	Localized mandibular infection affects remote in vivo bioreactor bone generation. <i>Biomaterials</i> , 2020 , 256, 120185	15.6	3
179	Stabilizing dental implants with a fiber-reinforced calcium phosphate cement: An in vitro and in vivo study. <i>Acta Biomaterialia</i> , 2020 , 110, 280-288	10.8	13
178	Biomaterial-based possibilities for managing peri-implantitis. <i>Journal of Periodontal Research</i> , 2020 , 55, 165-173	4.3	20
177	Fast dissolving glucose porogens for early calcium phosphate cement degradation and bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2020 , 15, 025002	3.5	6
176	Mechanical aspects of dental implants and osseointegration: A narrative review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 103, 103574	4.1	52
175	A Rabbit Femoral Condyle Defect Model for Assessment of Osteochondral Tissue Regeneration. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 554-564	2.9	3
174	Bioinorganic supplementation of calcium phosphate-based bone substitutes to improve in vivo performance: a systematic review and meta-analysis of animal studies. <i>Biomaterials Science</i> , 2020 , 8, 4792-4809	7.4	3
173	Biological Effect of Single or Combined Pharmacological Therapy Using Alendronate and Simvastatin on Implant Osseointegration: An In Vivo Study in Healthy and Osteoporotic Rat Models. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4298	2.6	
172	Cell-based therapies in bone regeneration 2020 , 217-250		
171	Pharmacological interventions targeting bone diseases in adjunction with bone grafting 2020 , 251-280		1
170	Hybrid particles derived from alendronate and bioactive glass for treatment of osteoporotic bone defects. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 796-808	7.3	10

169	Complement proteins regulating macrophage polarisation on biomaterials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 125-133	6	10
168	Influence of the incorporation of marine spongin into a Biosilicate [®] : an in vitro study. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 64	4.5	5
167	Anti-bacterial efficacy via drug-delivery system from layer-by-layer coating for percutaneous dental implant components. <i>Applied Surface Science</i> , 2019 , 488, 194-204	6.7	21
166	Tough and Osteocompatible Calcium Phosphate Cements Reinforced with Poly(vinyl alcohol) Fibers. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2491-2505	5.5	15
165	Biomaterials-aided mandibular reconstruction using in vivo bioreactors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6954-6963	11.5	26
164	Multimodal porogen platforms for calcium phosphate cement degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1713-1722	5.4	12
163	Coculture with monocytes/macrophages modulates osteogenic differentiation of adipose-derived mesenchymal stromal cells on poly(lactic-co-glycolic) acid/polycaprolactone scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 785-798	4.4	11
162	Bone Regeneration Using Antiosteoporotic Drugs in Adjunction with Bone Grafting: A Meta-Analysis. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 500-509	7.9	3
161	Evaluation of polydimethylsiloxane-based substrates for in vitro culture of human periodontal ligament cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2796-2805	5.4	3
160	Evaluation of Peri-Implant Bone Grafting Around Surface-Porous Dental Implants: An In Vivo Study in a Goat Model. <i>Materials</i> , 2019 , 12,	3.5	3
159	Incorporation of Collagen from Marine Sponges (Spongin) into Hydroxyapatite Samples: Characterization and In Vitro Biological Evaluation. <i>Marine Biotechnology</i> , 2019 , 21, 30-37	3.4	23
158	Antiosteoporotic Drugs to Promote Bone Regeneration Related to Titanium Implants: A Systematic Review and Meta-Analysis. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 89-99	7.9	6
157	Efficiency of coculture with angiogenic cells or physiological BMP-2 administration on improving osteogenic differentiation and bone formation of MSCs. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 643-653	5.4	12
156	Titanium surfaces characteristics modulate macrophage polarization. <i>Materials Science and Engineering C</i> , 2019 , 95, 143-151	8.3	31
155	Spheroid formation and stemness preservation of human periodontal ligament cells on chitosan films. <i>Oral Diseases</i> , 2018 , 24, 1083-1092	3.5	8
154	Intraoperative Construct Preparation: A Practical Route for Cell-Based Bone Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2018 , 24, 403-417	7.9	2
153	Development of a PCL-silica nanoparticles composite membrane for Guided Bone Regeneration. <i>Materials Science and Engineering C</i> , 2018 , 85, 154-161	8.3	64
152	The performance of CPC/PLGA and Bio-Oss for bone regeneration in healthy and osteoporotic rats. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 131-142	3.5	17

151	Multimodal pore formation in calcium phosphate cements. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 500-509	5.4	16
150	Incorporation of fast dissolving glucose porogens and poly(lactic-co-glycolic acid) microparticles within calcium phosphate cements for bone tissue regeneration. <i>Acta Biomaterialia</i> , 2018 , 78, 341-350	10.8	16
149	Comparison of a resorbable magnesium implant in small and large growing-animal models. <i>Acta Biomaterialia</i> , 2018 , 78, 378-386	10.8	23
148	Incorporation of simvastatin in PLLA membranes for guided bone regeneration: effect of thermal treatment on simvastatin release.. <i>RSC Advances</i> , 2018 , 8, 28546-28554	3.7	8
147	Monitoring local delivery of vancomycin from gelatin nanospheres in zebrafish larvae. <i>International Journal of Nanomedicine</i> , 2018 , 13, 5377-5394	7.3	11
146	Combinatorial Surface Roughness Effects on Osteoclastogenesis and Osteogenesis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36652-36663	9.5	36
145	Efficacy of intraoperatively prepared cell-based constructs for bone regeneration. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 283	8.3	9
144	Alendronate release from calcium phosphate cement for bone regeneration in osteoporotic conditions. <i>Scientific Reports</i> , 2018 , 8, 15398	4.9	18
143	Periodontal regeneration via chemoattractive constructs. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 851-860	7.7	11
142	Characterization and biological evaluation of the introduction of PLGA into biosilicate. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 1063-1074	3.5	10
141	Characterization and biocompatibility of a fibrous glassy scaffold. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 1141-1151	4.4	19
140	Bisphosphonate-Functionalized Imaging Agents, Anti-Tumor Agents and Nanocarriers for Treatment of Bone Cancer. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601119	10.1	29
139	Incorporation of PLLA micro-fillers for mechanical reinforcement of calcium-phosphate cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 71, 286-294	4.1	24
138	Effect of surface alkali-based treatment of titanium implants on ability to promote in vitro mineralization and in vivo bone formation. <i>Acta Biomaterialia</i> , 2017 , 57, 511-523	10.8	56
137	Effect of monocytes/macrophages on the osteogenic differentiation of adipose-derived mesenchymal stromal cells in 3D co-culture spheroids. <i>Tissue and Cell</i> , 2017 , 49, 461-469	2.7	8
136	Polyester fibers can be rendered calcium phosphate-binding by surface functionalization with bisphosphonate groups. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2335-2342	5.4	10
135	Macrophage type modulates osteogenic differentiation of adipose tissue MSCs. <i>Cell and Tissue Research</i> , 2017 , 369, 273-286	4.2	92
134	Incorporation of fast dissolving glucose porogens into an injectable calcium phosphate cement for bone tissue engineering. <i>Acta Biomaterialia</i> , 2017 , 50, 68-77	10.8	33

133	Diabetes Mellitus and Bone Regeneration: A Systematic Review and Meta-Analysis of Animal Studies. <i>Tissue Engineering - Part B: Reviews</i> , 2017 , 23, 471-479	7.9	21
132	Composite Colloidal Gels Made of Bisphosphonate-Functionalized Gelatin and Bioactive Glass Particles for Regeneration of Osteoporotic Bone Defects. <i>Advanced Functional Materials</i> , 2017 , 27, 17034-38	15.6	45
131	Putty-like bone fillers based on CaP ceramics or Biosilicate□ combined with carboxymethylcellulose: Characterization, optimization, and evaluation. <i>Journal of Biomaterials Applications</i> , 2017 , 32, 276-288	2.9	5
130	Biomaterial Property Effects on Platelets and Macrophages: An in Vitro Study. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 3318-3327	5.5	17
129	Acellular mineral deposition within injectable, dual-gelling hydrogels for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 110-117	5.4	7
128	Long-term biological performance of injectable and degradable calcium phosphate cement. <i>Biomedical Materials (Bristol)</i> , 2016 , 12, 015009	3.5	21
127	Size matters: effects of PLGA-microsphere size in injectable CPC/PLGA on bone formation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 669-78	4.4	11
126	Effect of Nano-HA/Collagen Composite Hydrogels on Osteogenic Behavior of Mesenchymal Stromal Cells. <i>Stem Cell Reviews and Reports</i> , 2016 , 12, 352-64	6.4	24
125	Fibrous Hydrogels for Cell Encapsulation: A Modular and Supramolecular Approach. <i>PLoS ONE</i> , 2016 , 11, e0155625	3.7	15
124	Special Collection: Cell-Based Therapy for Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2016 , 22, 11273-11281	3.1	1
123	Comparison of different surface modifications for titanium implants installed into the goat iliac crest. <i>Clinical Oral Implants Research</i> , 2016 , 27, e57-67	4.8	11
122	Effect of calcium phosphate ceramic substrate geometry on mesenchymal stromal cell organization and osteogenic differentiation. <i>Biofabrication</i> , 2016 , 8, 025006	10.5	18
121	Toward accelerated bone regeneration by altering poly(D,L-lactic-co-glycolic) acid porogen content in calcium phosphate cement. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 483-92	5.4	12
120	Long-term evaluation of the degradation behavior of three apatite-forming calcium phosphate cements. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1072-81	5.4	28
119	Combined Treatment Effects Using Bioactive-Coated Implants and Ceramic Granulate in a Rabbit Femoral Condyle Model. <i>Clinical Implant Dentistry and Related Research</i> , 2016 , 18, 666-77	3.9	4
118	Coculture effects on the osteogenic differentiation of human mesenchymal stromal cells. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 713-723	4.5	6
117	Osteophilic properties of bone implant surface modifications in a cassette model on a decorticated goat spinal transverse process. <i>Acta Biomaterialia</i> , 2016 , 37, 195-205	10.8	16
116	Polymer-Based Local Antibiotic Delivery for Prevention of Polymicrobial Infection in Contaminated Mandibular Implants. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 558-566	5.5	15

115	Controlled Release of Chemotherapeutic Platinum-Bisphosphonate Complexes from Injectable Calcium Phosphate Cements. <i>Tissue Engineering - Part A</i> , 2016 , 22, 788-800	3.9	14
114	Reconstruction of large mandibular defects using autologous tissues generated from in vivo bioreactors. <i>Acta Biomaterialia</i> , 2016 , 45, 72-84	10.8	25
113	Top-Down Approach for the Preparation of Highly Porous PLLA Microcylinders. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 2099-2107	5.5	7
112	Nanofibrillar hydrogel scaffolds from recombinant protein-based polymers with integrin- and proteoglycan-binding domains. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 3082-3092	5.4	12
111	Autologously generated tissue-engineered bone flaps for reconstruction of large mandibular defects in an ovine model. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1520-8	3.9	24
110	Bisphosphonate-functionalized hyaluronic acid showing selective affinity for osteoclasts as a potential treatment for osteoporosis. <i>Biomaterials Science</i> , 2015 , 3, 1197-207	7.4	15
109	Preclinical evaluation of injectable bone substitute materials. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 191-209	4.4	24
108	Residual stress evaluation within hydroxyapatite coatings of different micrometer thicknesses. <i>Surface and Coatings Technology</i> , 2015 , 266, 177-182	4.4	11
107	Effect of a new bioactive fibrous glassy scaffold on bone repair. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 177	4.5	27
106	Bone regeneration and gene expression in bone defects under healthy and osteoporotic bone conditions using two commercially available bone graft substitutes. <i>Biomedical Materials (Bristol)</i> , 2015 , 10, 035003	3.5	14
105	Technical Report: Correlation Between the Repair of Cartilage and Subchondral Bone in an Osteochondral Defect Using Bilayered, Biodegradable Hydrogel Composites. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 1216-25	2.9	12
104	Hydroxyapatite nanocrystals functionalized with alendronate as bioactive components for bone implant coatings to decrease osteoclastic activity. <i>Applied Surface Science</i> , 2015 , 328, 516-524	6.7	46
103	Periodontal tissue regeneration using enzymatically solidified chitosan hydrogels with or without cell loading. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1066-76	3.9	20
102	Osteogenic capacity of human BM-MSCs, AT-MSCs and their co-cultures using HUVECs in FBS and PL supplemented media. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 779-88	4.4	14
101	Effects of calcium phosphate composition in sputter coatings on in vitro and in vivo performance. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 300-10	5.4	23
100	Signaling pathways involved in osteogenesis and their application for bone regenerative medicine. <i>Tissue Engineering - Part B: Reviews</i> , 2015 , 21, 75-87	7.9	74
99	Novel pantothenate derivatives for anti-malarial chemotherapy. <i>Malaria Journal</i> , 2015 , 14, 169	3.6	16
98	Comparative evaluation of the combined application of titanium implants and calcium phosphate bone substitutes in a rabbit model. <i>Clinical Oral Implants Research</i> , 2015 , 26, 1215-21	4.8	6

97	Influence of ceramic disk material, surface hemispheres, and SBF volume on in vitro mineralization. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 2740-6	5.4	7
96	Cell-Based Approaches in Periodontal Regeneration: A Systematic Review and Meta-Analysis of Periodontal Defect Models in Animal Experimental Work. <i>Tissue Engineering - Part B: Reviews</i> , 2015 , 21, 411-26	7.9	42
95	Bone forming capacity of cell- and growth factor-based constructs at different ectopic implantation sites. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 439-50	5.4	13
94	Influence of surface microstructure and chemistry on osteoinduction and osteoclastogenesis by biphasic calcium phosphate discs. <i>European Cells and Materials</i> , 2015 , 29, 314-29	4.3	61
93	Synergistic effects of bisphosphonate and calcium phosphate nanoparticles on peri-implant bone responses in osteoporotic rats. <i>Biomaterials</i> , 2014 , 35, 5482-90	15.6	66
92	Biomaterial strategies for stem cell maintenance during in vitro expansion. <i>Tissue Engineering - Part B: Reviews</i> , 2014 , 20, 340-54	7.9	20
91	Development of injectable organic/inorganic colloidal composite gels made of self-assembling gelatin nanospheres and calcium phosphate nanocrystals. <i>Acta Biomaterialia</i> , 2014 , 10, 508-19	10.8	49
90	Hypoxia-mediated downregulation of miRNA biogenesis promotes tumour progression. <i>Nature Communications</i> , 2014 , 5, 5202	17.4	130
89	Tuning the degradation rate of calcium phosphate cements by incorporating mixtures of polylactic-co-glycolic acid microspheres and glucono-delta-lactone microparticles. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2870-82	3.9	19
88	Osteochondral defect repair using bilayered hydrogels encapsulating both chondrogenically and osteogenically pre-differentiated mesenchymal stem cells in a rabbit model. <i>Osteoarthritis and Cartilage</i> , 2014 , 22, 1291-300	6.2	38
87	Dual growth factor delivery from bilayered, biodegradable hydrogel composites for spatially-guided osteochondral tissue repair. <i>Biomaterials</i> , 2014 , 35, 8829-8839	15.6	112
86	Concise review: cell-based strategies in bone tissue engineering and regenerative medicine. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 98-107	6.9	117
85	Bone regeneration using coculture of mesenchymal stem cells and angiogenic cells. <i>Frontiers of Materials Science</i> , 2014 , 8, 32-38	2.5	2
84	Genetically engineered silk-collagen-like copolymer for biomedical applications: production, characterization and evaluation of cellular response. <i>Acta Biomaterialia</i> , 2014 , 10, 3620-9	10.8	28
83	Substrate geometry directs the in vitro mineralization of calcium phosphate ceramics. <i>Acta Biomaterialia</i> , 2014 , 10, 661-9	10.8	24
82	Configurational effects of collagen/ALP coatings on enzyme immobilization and surface mineralization. <i>Applied Surface Science</i> , 2014 , 311, 292-299	6.7	8
81	Self-healing hybrid nanocomposites consisting of bisphosphonated hyaluronan and calcium phosphate nanoparticles. <i>Biomaterials</i> , 2014 , 35, 6918-29	15.6	107
80	In vitro and in vivo angiogenic capacity of BM-MSCs/HUVECs and AT-MSCs/HUVECs cocultures. <i>Biofabrication</i> , 2014 , 6, 015005	10.5	35

79	Gelation and biocompatibility of injectable alginate-calcium phosphate gels for bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 808-17	5.4	24
78	In vitro response to alkaline phosphatase coatings immobilized onto titanium implants using electrospray deposition or polydopamine-assisted deposition. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 1102-9	5.4	15
77	Cigarette smoke extract induces a phenotypic shift in epithelial cells; involvement of HIF1 α in mesenchymal transition. <i>PLoS ONE</i> , 2014 , 9, e107757	3.7	31
76	Osteoporosis \square fracture healing and osseointegration. <i>Drug Discovery Today: Disease Models</i> , 2014 , 13, 3-9	1.3	3
75	Human periodontal ligament derived progenitor cells: effect of STRO-1 cell sorting and Wnt3a treatment on cell behavior. <i>BioMed Research International</i> , 2014 , 2014, 145423	3	12
74	Tantalum oxide and barium sulfate as radiopacifiers in injectable calcium phosphate-poly(lactic-co-glycolic acid) cements for monitoring in vivo degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 141-9	5.4	13
73	Tissue response to composite hydrogels for vertical bone augmentation in the rat. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2079-88	5.4	8
72	In vivo evaluation of bioactive glass-based coatings on dental implants in a dog implantation model. <i>Clinical Oral Implants Research</i> , 2014 , 25, 21-8	4.8	22
71	A dynamic trajectory class model for intensive longitudinal categorical outcome. <i>Statistics in Medicine</i> , 2014 , 33, 2645-64	2.3	3
70	Enzymatic control of chitosan gelation for delivery of periodontal ligament cells. <i>Macromolecular Bioscience</i> , 2014 , 14, 1004-14	5.5	10
69	Osteoporotic rat models for evaluation of osseointegration of bone implants. <i>Tissue Engineering - Part C: Methods</i> , 2014 , 20, 493-505	2.9	28
68	Adipose tissue-derived mesenchymal stem cells as monocultures or cocultures with human umbilical vein endothelial cells: performance in vitro and in rat cranial defects. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 1026-36	5.4	19
67	Comparison of cell-loading methods in hydrogel systems. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 935-46	5.4	5
66	RNF8-independent Lys63 poly-ubiquitylation prevents genomic instability in response to replication-associated DNA damage. <i>PLoS ONE</i> , 2014 , 9, e89997	3.7	1
65	Biological response to titanium implants coated with nanocrystals calcium phosphate or type 1 collagen in a dog model. <i>Clinical Oral Implants Research</i> , 2013 , 24, 475-83	4.8	28
64	Maxillary sinus floor augmentation with injectable calcium phosphate cements: a pre-clinical study in sheep. <i>Clinical Oral Implants Research</i> , 2013 , 24, 210-6	4.8	14
63	Incorporation of bioactive glass in calcium phosphate cement: An evaluation. <i>Acta Biomaterialia</i> , 2013 , 9, 5728-39	10.8	48
62	Development of an in vitro confinement test to predict the clinical handling of polymer-based injectable bone substitutes. <i>Polymer Testing</i> , 2013 , 32, 1379-1384	4.5	5

61	Osteogenicity of titanium implants coated with calcium phosphate or collagen type-I in osteoporotic rats. <i>Biomaterials</i> , 2013 , 34, 3747-57	15.6	89
60	Role of oxygen consumption in hypoxia protection by translation factor depletion. <i>Journal of Experimental Biology</i> , 2013 , 216, 2283-92	3	13
59	Long-term survival of calcium phosphate-coated dental implants: a meta-analytical approach to the clinical literature. <i>Clinical Oral Implants Research</i> , 2013 , 24, 355-62	4.8	15
58	Instructive coatings for biological guidance of bone implants. <i>Surface and Coatings Technology</i> , 2013 , 233, 91-98	4.4	42
57	The in vivo performance of CaP/PLGA composites with varied PLGA microsphere sizes and inorganic compositions. <i>Acta Biomaterialia</i> , 2013 , 9, 7518-26	10.8	23
56	Subcutaneous tissue response and osteogenic performance of calcium phosphate nanoparticle-enriched hydrogels in the tibial medullary cavity of guinea pigs. <i>Acta Biomaterialia</i> , 2013 , 9, 5464-74	10.8	20
55	1-step versus 2-step immobilization of alkaline phosphatase and bone morphogenetic protein-2 onto implant surfaces using polydopamine. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 610-9	2.9	26
54	In vitro and in vivo enzyme-mediated biomineralization of oligo(poly(ethylene glycol) fumarate hydrogels. <i>Macromolecular Bioscience</i> , 2013 , 13, 777-88	5.5	8
53	Incorporation of stromal cell-derived factor-1 in PCL/gelatin electrospun membranes for guided bone regeneration. <i>Biomaterials</i> , 2013 , 34, 735-45	15.6	132
52	Two phases of disulfide bond formation have differing requirements for oxygen. <i>Journal of Cell Biology</i> , 2013 , 203, 615-27	7.3	84
51	The biological performance of injectable calcium phosphate/PLGA cement in osteoporotic rats. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 035012	3.5	9
50	Calcium-phosphate-coated oral implants promote osseointegration in osteoporosis. <i>Journal of Dental Research</i> , 2013 , 92, 982-8	8.1	41
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40	Electrostatic Spray Deposition of Biomimetic Nanocrystalline Apatite Coatings onto Titanium. <i>Advanced Engineering Materials</i> , 2012 , 14, B13-B20	3.5	35
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31	Biomimetic modification of synthetic hydrogels by incorporation of adhesive peptides and calcium phosphate nanoparticles: in vitro evaluation of cell behavior. <i>European Cells and Materials</i> , 2011 , 22, 359-76	4.3	66
30	Enzymatically Enhanced Guided Tissue Regeneration. <i>Bioceramics Development and Applications</i> , 2011 , 1, 1-3		
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