

# Yufeng Zhang

## 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.

155  
papers

5,058  
citations

37  
h-index

64  
g-index

160  
ext. papers

6,342  
ext. citations

7.1  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
155	Oxygen Ion Implantation Improving Cell Adhesion on Titanium Surfaces through Increased Attraction of Fibronectin PHSRN Domain.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2101983	10.1	1
154	Identification of Dental Stem Cells Similar to Skeletal Stem Cells.. <i>Journal of Dental Research</i> , <b>2022</b> , 220345221084199	8.5	10
153	CD301b macrophages mediate angiogenesis of calcium phosphate bioceramics by CaN/NFATc1/VEGF axis.. <i>Bioactive Materials</i> , <b>2022</b> , 15, 446-455	16.7	1
152	Nanoparticles Promote Bacterial Antibiotic Tolerance via Inducing Hyperosmotic Stress Response.. <i>Small</i> , <b>2022</b> , e2105525	11	0
151	The effect of resting and compression time post-centrifugation on the characteristics of platelet rich fibrin (PRF) membranes.. <i>Clinical Oral Investigations</i> , <b>2022</b> , 1	4.2	0
150	Low surface accessible area NanoCoral TiO for the reduction of foreign body reaction during implantation.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2200382	10.1	0
149	In Vitro and In Vivo Efficacy of New Composite for Direct Pulp Capping. <i>BioMed Research International</i> , <b>2021</b> , 2021, 8414577	3	0
148	Extending the working properties of liquid platelet-rich fibrin using chemically modified PET tubes and the Bio-Cool device. <i>Clinical Oral Investigations</i> , <b>2021</b> , 1	4.2	2
147	METTL3-Dependent Glycolysis Regulates Dental Pulp Stem Cell Differentiation. <i>Journal of Dental Research</i> , <b>2021</b> , 220345211051594	8.1	1
146	Structure, Barrier Function, and Bioactivity of Platelet-Rich Fibrin Following Thermal Processing. <i>Tissue Engineering - Part C: Methods</i> , <b>2021</b> , 27, 605-615	2.9	1
145	Customized protein modification improves human gingival fibroblasts adhesion on SiO <sub>2</sub> . <i>Applied Materials Today</i> , <b>2021</b> , 25, 101232	6.6	1
144	Target Reprogramming Lysosomes of CD8+ T Cells by a Mineralized Metal-Organic Framework for Cancer Immunotherapy. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100616	24	30
143	Individualized plasticity autograft mimic with efficient bioactivity inducing osteogenesis. <i>International Journal of Oral Science</i> , <b>2021</b> , 13, 14	27.9	2
142	Calcium-Collagen Coupling is Vital for Biomineralization Schedule. <i>Advanced Science</i> , <b>2021</b> , 8, e2100363	13.6	4
141	Histological comparison of Platelet rich fibrin clots prepared by fixed-angle versus horizontal centrifugation. <i>Platelets</i> , <b>2021</b> , 32, 413-419	3.6	10
140	Biological characterization of an injectable platelet-rich fibrin mixture consisting of autologous albumin gel and liquid platelet-rich fibrin (Alb-PRF). <i>Platelets</i> , <b>2021</b> , 32, 74-81	3.6	25
139	Cell-Membrane-Display Nanotechnology. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001014	10.1	5

138	Use of platelet-rich fibrin for the treatment of periodontal intrabony defects: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 2461-2478	4.2	18
137	Size-Confined Effects of Nanostructures on Fibronectin-Induced Macrophage Inflammation on Titanium Implants. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100994	10.1	4
136	Preparation, characterization and biological properties of a novel bone block composed of platelet rich fibrin and a deproteinized bovine bone mineral. <i>Fundamental Research</i> , <b>2021</b> ,		1
135	Break monopoly of polarization: CD301b+ macrophages play positive roles in osteoinduction of calcium phosphate ceramics. <i>Applied Materials Today</i> , <b>2021</b> , 24, 101111	6.6	1
134	An electroporation strategy to synthesize the membrane-coated nanoparticles for enhanced anti-inflammation therapy in bone infection. <i>Theranostics</i> , <b>2021</b> , 11, 2349-2363	12.1	10
133	Ckip-1 Mediates -Suppressed Cementoblast Mineralization. <i>Journal of Dental Research</i> , <b>2021</b> , 220345211054744	10.5	4
132	Bioactive Core-Shell CaF Upconversion Nanostructure for Promotion and Visualization of Engineered Bone Reconstruction. <i>ACS Nano</i> , <b>2020</b> , 14, 16085-16095	16.7	12
131	Evaluation of 24 protocols for the production of platelet-rich fibrin. <i>BMC Oral Health</i> , <b>2020</b> , 20, 310	3.7	7
130	Improved growth factor delivery and cellular activity using concentrated platelet-rich fibrin (C-PRF) when compared with traditional injectable (i-PRF) protocols. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 4373-4383	4.2	13
129	Liquid platelet-rich fibrin promotes the regenerative potential of human periodontal ligament cells. <i>Oral Diseases</i> , <b>2020</b> , 26, 1755-1763	3.5	4
128	Autologous Versatile Vesicles-Incorporated Biomimetic Extracellular Matrix Induces Biom mineralization. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000015	15.6	12
127	Biom mineral Precursor Formation Is Initiated by Transporting Calcium and Phosphorus Clusters from the Endoplasmic Reticulum to Mitochondria. <i>Advanced Science</i> , <b>2020</b> , 7, 1902536	13.6	10
126	Use of platelet-rich fibrin for the treatment of gingival recessions: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 2543-2557	4.2	24
125	Dual Functional Monocytes Modulate Bactericidal and Anti-Inflammation Process for Severe Osteomyelitis Treatment. <i>Small</i> , <b>2020</b> , 16, e1905185	11	20
124	Light-Activable On-Demand Release of Nano-Antibiotic Platforms for Precise Synergy of Thermochemotherapy on Periodontitis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3354-3362	9.5	18
123	Biomimetic anti-inflammatory nano-capsule serves as a cytokine blocker and M2 polarization inducer for bone tissue repair. <i>Acta Biomaterialia</i> , <b>2020</b> , 102, 416-426	10.8	43
122	FeO@TiO-Laden Neutrophils Activate Innate Immunity via Photosensitive Reactive Oxygen Species Release. <i>Nano Letters</i> , <b>2020</b> , 20, 261-271	11.5	24
121	A novel method for harvesting concentrated platelet-rich fibrin (C-PRF) with a 10-fold increase in platelet and leukocyte yields. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 2819-2828	4.2	19

120	Fe-TCPP@CS nanoparticles as photodynamic and photothermal agents for efficient antimicrobial therapy. <i>Biomaterials Science</i> , <b>2020</b> , 8, 6526-6532	7.4	10
119	Antibacterial effects of platelet-rich fibrin produced by horizontal centrifugation. <i>International Journal of Oral Science</i> , <b>2020</b> , 12, 32	27.9	14
118	Viral Load Dynamics in Sputum and Nasopharyngeal Swab in Patients with COVID-19. <i>Journal of Dental Research</i> , <b>2020</b> , 99, 1239-1244	8.1	20
117	Graphdiyne-modified TiO nanofibers with osteoinductive and enhanced photocatalytic antibacterial activities to prevent implant infection. <i>Nature Communications</i> , <b>2020</b> , 11, 4465	17.4	101
116	Comparison of platelet-rich fibrin (PRF) produced using 3 commercially available centrifuges at both high (~ 700g) and low (~ 200g) relative centrifugation forces. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 1171-1182	4.2	26
115	Anti-inflammation effects of injectable platelet-rich fibrin via macrophages and dendritic cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2020</b> , 108, 61-68	5.4	24
114	Transcription factor 7-like 2 promotes osteogenic differentiation and boron-induced bone repair via lipocalin 2. <i>Materials Science and Engineering C</i> , <b>2020</b> , 110, 110671	8.3	4
113	Dual-Wavelength Photosensitive Nano-in-Micro Scaffold Regulates Innate and Adaptive Immune Responses for Osteogenesis. <i>Nano-Micro Letters</i> , <b>2020</b> , 13, 28	19.5	10
112	3D confined assembly of polymer-tethered gold nanoparticles into size-segregated structures. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 209-215	7.8	8
111	Bioinspired extracellular vesicles embedded with black phosphorus for molecular recognition-guided biomineralization. <i>Nature Communications</i> , <b>2019</b> , 10, 2829	17.4	68
110	A novel method for evaluating and quantifying cell types in platelet rich fibrin and an introduction to horizontal centrifugation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 2257-2271	5.4	58
109	Transcription factor 7-like 2-associated signaling mechanism in regulating cementum generation by the NF- $\kappa$ B pathway. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 20790-20800	7	1
108	Fluid platelet-rich fibrin stimulates greater dermal skin fibroblast cell migration, proliferation, and collagen synthesis when compared to platelet-rich plasma. <i>Journal of Cosmetic Dermatology</i> , <b>2019</b> , 18, 2004-2010	2.5	23
107	Extracellular vesicles derived from the mid-to-late stage of osteoblast differentiation markedly enhance osteogenesis in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 514, 252-258	3.4	16
106	Near-Infrared Light-Sensitive Nano Neuro-Immune Blocker Capsule Relieves Pain and Enhances the Innate Immune Response for Necrotizing Infection. <i>Nano Letters</i> , <b>2019</b> , 19, 5904-5914	11.5	19
105	Modulating macrophage polarization on titanium implant surface by poly(dopamine)-assisted immobilization of IL4. <i>Clinical Implant Dentistry and Related Research</i> , <b>2019</b> , 21, 977-986	3.9	7
104	Effect of Liquid Platelet-rich Fibrin and Platelet-rich Plasma on the Regenerative Potential of Dental Pulp Cells Cultured under Inflammatory Conditions: A Comparative Analysis. <i>Journal of Endodontics</i> , <b>2019</b> , 45, 1000-1008	4.7	16
103	Photoactivated Trifunctional Platinum Nanobiotics for Precise Synergism of Multiple Antibacterial Modes. <i>Small</i> , <b>2019</b> , 15, e1902647	11	23

102	Dual Function of Magnesium in Bone Biomineralization. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1901030.1	10.1	29
101	HnRNPL inhibits the osteogenic differentiation of PDLCs stimulated by SrCl through repressing Setd2. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 2667-2677	5.6	10
100	Effects of norfloxacin exposure on neurodevelopment of zebrafish ( <i>Danio rerio</i> ) embryos. <i>NeuroToxicology</i> , <b>2019</b> , 72, 85-94	4.4	15
99	Macrophage behavior and interplay with gingival fibroblasts cultured on six commercially available titanium, zirconium, and titanium-zirconium dental implants. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 3219-3227	4.3	16
98	Photon-Responsive Antibacterial Nanoplatfor for Synergistic Photothermal-/Pharmaco-Therapy of Skin Infection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 300-310	9.5	75
97	The effect of age, gender, and time between blood draw and start of centrifugation on the size outcomes of platelet-rich fibrin (PRF) membranes. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 2179-2185	4.2	22
96	Injectable-platelet rich fibrin using the low speed centrifugation concept improves cartilage regeneration when compared to platelet-rich plasma. <i>Platelets</i> , <b>2019</b> , 30, 213-221	3.6	36
95	Superior bone-inducing potential of rhBMP9 compared to rhBMP2. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1561-1574	5.4	13
94	Deproteinized bovine bone matrix induces osteoblast differentiation via macrophage polarization. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1236-1246	5.4	17
93	Setd7 and its contribution to Boron-induced bone regeneration in Boron-mesoporous bioactive glass scaffolds. <i>Acta Biomaterialia</i> , <b>2018</b> , 73, 522-530	10.8	18
92	MicroRNA-3064-3p regulates the differentiation of cementoblasts through targeting DKK1. <i>Journal of Periodontal Research</i> , <b>2018</b> , 53, 705-713	4.3	12
91	Inorganic Self-Assembled Bioactive Artificial Proto-Osteocells Inducing Bone Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10718-10728	9.5	11
90	Effects of an injectable platelet-rich fibrin on osteoblast behavior and bone tissue formation in comparison to platelet-rich plasma. <i>Platelets</i> , <b>2018</b> , 29, 48-55	3.6	88
89	The role of macrophage polarization on fibroblast behavior-an in vitro investigation on titanium surfaces. <i>Clinical Oral Investigations</i> , <b>2018</b> , 22, 847-857	4.2	16
88	The Role of Mst1 in Lymphocyte Homeostasis and Function. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 149	8.4	14
87	A bone-targeting drug-delivery system based on Semaphorin 3A gene therapy ameliorates bone loss in osteoporotic ovariectomized mice. <i>Bone</i> , <b>2018</b> , 114, 40-49	4.7	16
86	Pretreated Macrophage-Membrane-Coated Gold Nanocages for Precise Drug Delivery for Treatment of Bacterial Infections. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804023	24	130
85	EZH1 Is Associated with TCP-Induced Bone Regeneration through Macrophage Polarization. <i>Stem Cells International</i> , <b>2018</b> , 2018, 6310560	5	7

84	Autologous liquid platelet rich fibrin: A novel drug delivery system. <i>Acta Biomaterialia</i> , <b>2018</b> , 75, 35-51	10.8	47
83	Histomorphometric Study of New Bone Formation Comparing Defect Healing with Three Bone Grafting Materials: The Effect of Osteoporosis on Graft Consolidation. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2018</b> , 33, 645-652	2.8	6
82	Near-infrared light-triggered drug delivery system based on black phosphorus for in vivo bone regeneration. <i>Biomaterials</i> , <b>2018</b> , 179, 164-174	15.6	72
81	Osteogenic gene array of osteoblasts cultured on a novel osteoinductive biphasic calcium phosphate bone grafting material. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 801-808	4.2	9
80	Osteogenic potential of rhBMP9 combined with a bovine-derived natural bone mineral scaffold compared to rhBMP2. <i>Clinical Oral Implants Research</i> , <b>2017</b> , 28, 381-387	4.8	32
79	Osteogain improves osteoblast adhesion, proliferation and differentiation on a bovine-derived natural bone mineral. <i>Clinical Oral Implants Research</i> , <b>2017</b> , 28, 327-333	4.8	11
78	Injectable platelet rich fibrin (i-PRF): opportunities in regenerative dentistry?. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 2619-2627	4.2	137
77	An in vitro investigation of the marked impact of dendritic cell interactions with bone grafts. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 1703-1711	5.4	11
76	A Difunctional Regeneration Scaffold for Knee Repair based on Aptamer-Directed Cell Recruitment. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605235	24	96
75	Setd2 is associated with strontium-induced bone regeneration. <i>Acta Biomaterialia</i> , <b>2017</b> , 53, 495-505	10.8	19
74	Osteogain loaded onto an absorbable collagen sponge induces attachment and osteoblast differentiation of ST2 cells in vitro. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 2265-2272	4.2	8
73	In vitro evaluation of an injectable biphasic calcium phosphate (BCP) carrier system combined with recombinant human bone morphogenetic protein (rhBMP)-9. <i>Bio-Medical Materials and Engineering</i> , <b>2017</b> , 28, 293-304	1	4
72	Use of platelet-rich fibrin in regenerative dentistry: a systematic review. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 1913-1927	4.2	165
71	Absorbable collagen sponges loaded with recombinant bone morphogenetic protein 9 induces greater osteoblast differentiation when compared to bone morphogenetic protein 2. <i>Clinical and Experimental Dental Research</i> , <b>2017</b> , 3, 32-40	1.9	15
70	Nanogel-based scaffolds fabricated for bone regeneration with mesoporous bioactive glass and strontium: In vitro and in vivo characterization. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 1175-1183	5.4	19
69	Temperature/pH-Sensitive Nanoantibiotics and Their Sequential Assembly for Optimal Collaborations between Antibacterial and Immunoregulation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 31589-31599	9.5	12
68	Guided Bone Regeneration with Platelet Rich Fibrin <b>2017</b> , 159-183		
67	A 3D graphene coated bioglass scaffold for bone defect therapy based on the molecular targeting approach. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6794-6800	7.3	25

66	MicroRNA-155-3p Mediates TNF- $\alpha$ -Inhibited Cementoblast Differentiation. <i>Journal of Dental Research</i> , <b>2017</b> , 96, 1430-1437	8.1	21
65	Recombinant human bone morphogenetic protein (rhBMP)9 induces osteoblast differentiation when combined with demineralized freeze-dried bone allografts (DFDBAs) or biphasic calcium phosphate (BCP). <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 1883-1893	4.2	8
64	An in vitro study of fibrin sealant as a carrier system for recombinant human bone morphogenetic protein (rhBMP)-9 for bone tissue engineering. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2017</b> , 45, 27-32	3.6	10
63	Tcf12, A Member of Basic Helix-Loop-Helix Transcription Factors, Mediates Bone Marrow Mesenchymal Stem Cell Osteogenic Differentiation In Vitro and In Vivo. <i>Stem Cells</i> , <b>2017</b> , 35, 386-397	5.8	26
62	Optimized Platelet-Rich Fibrin With the Low-Speed Concept: Growth Factor Release, Biocompatibility, and Cellular Response. <i>Journal of Periodontology</i> , <b>2017</b> , 88, 112-121	4.6	154
61	Platelet-Rich Fibrin and Soft Tissue Wound Healing: A Systematic Review. <i>Tissue Engineering - Part B: Reviews</i> , <b>2017</b> , 23, 83-99	7.9	163
60	Growth factor delivery of BMP9 using a novel natural bovine bone graft with integrated atelo-collagen type I: Biosynthesis, characterization, and cell behavior. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 408-418	5.4	18
59	Behavior of Gingival Fibroblasts on Titanium Implant Surfaces in Combination with either Injectable-PRF or PRP. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	53
58	Combination of Collagen Barrier Membrane with Enamel Matrix Derivative-Liquid Improves Osteoblast Adhesion and Differentiation. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2017</b> , 32, 196-203	2.8	4
57	Comparison of Two Porcine Collagen Membranes Combined with rhBMP-2 and rhBMP-9 on Osteoblast Behavior In Vitro. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2017</b> , 32, e221-e230	2.8	5
56	Effect of Enamel Matrix Derivative Liquid on Osteoblast and Periodontal Ligament Cell Proliferation and Differentiation. <i>Journal of Periodontology</i> , <b>2016</b> , 87, 91-9	4.6	22
55	Initial changes in alveolar bone volume for sham-operated and ovariectomized rats in ligature-induced experimental periodontitis. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 581-8	4.2	14
54	Enamel matrix derivative improves gingival fibroblast cell behavior cultured on titanium surfaces. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 685-95	4.2	12
53	Bone grafting material in combination with Osteogain for bone repair: a rat histomorphometric study. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 589-95	4.2	22
52	Health, Maintenance, and Recovery of Soft Tissues around Implants. <i>Clinical Implant Dentistry and Related Research</i> , <b>2016</b> , 18, 618-34	3.9	57
51	Bone scaffolds loaded with siRNA-Semaphorin4d for the treatment of osteoporosis related bone defects. <i>Scientific Reports</i> , <b>2016</b> , 6, 26925	4.9	21
50	Platelet-derived growth factor BB gene-released scaffolds: biosynthesis and characterization. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2016</b> , 10, E372-E381	4.4	10
49	Addition of a Synthetically Fabricated Osteoinductive Biphasic Calcium Phosphate Bone Graft to BMP2 Improves New Bone Formation. <i>Clinical Implant Dentistry and Related Research</i> , <b>2016</b> , 18, 1238-1247	2.9	22

48	Gene array of PDL cells exposed to Osteogain in combination with a bone grafting material. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 2037-2043	4.2	6
47	Osteoinductive potential of a novel biphasic calcium phosphate bone graft in comparison with autographs, xenografts, and DFDBA. <i>Clinical Oral Implants Research</i> , <b>2016</b> , 27, 668-75	4.8	56
46	Recombinant Human Bone Morphogenetic Protein 9 (rhBMP9) Induced Osteoblastic Behavior on a Collagen Membrane Compared With rhBMP2. <i>Journal of Periodontology</i> , <b>2016</b> , 87, e101-7	4.6	30
45	Osteoinductive potential of 4 commonly employed bone grafts. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 2259-2265	4.2	39
44	Hollow CDHA nanorods with mesopores on surface: Bi-micelle-templating method, dissolvability, cytocompatibility and protein delivery. <i>Advanced Powder Technology</i> , <b>2016</b> , 27, 199-206	4.6	2
43	In vitro characterization of an osteoinductive biphasic calcium phosphate in combination with recombinant BMP2. <i>BMC Oral Health</i> , <b>2016</b> , 17, 35	3.7	12
42	Hyaluronic Acid Gel-Based Scaffolds as Potential Carrier for Growth Factors: An In Vitro Bioassay on Its Osteogenic Potential. <i>Journal of Clinical Medicine</i> , <b>2016</b> , 5,	5.1	11
41	Twenty years of enamel matrix derivative: the past, the present and the future. <i>Journal of Clinical Periodontology</i> , <b>2016</b> , 43, 668-83	7.7	119
40	Antibacterial properties and mechanisms of gold-silver nanocages. <i>Nanoscale</i> , <b>2016</b> , 8, 11143-52	7.7	73
39	Characterization of a shorter recombinant polypeptide chain of bone morphogenetic protein 2 on osteoblast behaviour. <i>BMC Oral Health</i> , <b>2015</b> , 15, 171	3.7	7
38	Osteoinductive and Osteopromotive Variability among Different Demineralized Bone Allografts. <i>Clinical Implant Dentistry and Related Research</i> , <b>2015</b> , 17, 533-42	3.9	34
37	Osterix controls cementoblast differentiation through downregulation of Wnt-signaling via enhancing DKK1 expression. <i>International Journal of Biological Sciences</i> , <b>2015</b> , 11, 335-44	11.2	50
36	In vivo experimental study on bone regeneration in critical bone defects using PIB nanogels/boron-containing mesoporous bioactive glass composite scaffold. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 839-46	7.3	28
35	Effect of bone graft density on in vitro cell behavior with enamel matrix derivative. <i>Clinical Oral Investigations</i> , <b>2015</b> , 19, 1643-51	4.2	8
34	Comparison of the capacity of enamel matrix derivative gel and enamel matrix derivative in liquid formulation to adsorb to bone grafting materials. <i>Journal of Periodontology</i> , <b>2015</b> , 86, 578-87	4.6	36
33	Variability in Particle Degradation of Four Commonly Employed Dental Bone Grafts. <i>Clinical Implant Dentistry and Related Research</i> , <b>2015</b> , 17, 996-1003	3.9	13
32	Novel MesoPorous BioGlass/silk scaffold containing adPDGF-B and adBMP7 for the repair of periodontal defects in beagle dogs. <i>Journal of Clinical Periodontology</i> , <b>2015</b> , 42, 262-71	7.7	29
31	Anabolic bone formation via a site-specific bone-targeting delivery system by interfering with semaphorin 4D expression. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 286-96	6.3	61



30	Prevention of alveolar bone loss in an osteoporotic animal model via interference of semaphorin 4d. <i>Journal of Dental Research</i> , <b>2014</b> , 93, 1095-100	8.1	24
29	A comparative study of Sr-incorporated mesoporous bioactive glass scaffolds for regeneration of osteopenic bone defects. <i>Osteoporosis International</i> , <b>2014</b> , 25, 2089-96	5.3	66
28	The in vitro and in vivo cementogenesis of CaMgSiO <sub>3</sub> bioceramic scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 105-16	5.4	20
27	Periodontal regeneration using strontium-loaded mesoporous bioactive glass scaffolds in osteoporotic rats. <i>PLoS ONE</i> , <b>2014</b> , 9, e104527	3.7	28
26	Osteogenic properties of PBLG-g-HA/PLLA nanocomposites. <i>PLoS ONE</i> , <b>2014</b> , 9, e105876	3.7	19
25	Effect of enamel matrix derivative on periodontal wound healing and regeneration in an osteoporotic model. <i>Journal of Periodontology</i> , <b>2014</b> , 85, 1603-11	4.6	10
24	Effects of enamel matrix proteins in combination with a bovine-derived natural bone mineral for the repair of bone defects. <i>Clinical Oral Investigations</i> , <b>2014</b> , 18, 471-8	4.2	28
23	Enamel matrix derivative in combination with bone grafts: A review of the literature. <i>Quintessence International</i> , <b>2014</b> , 45, 475-87	2	10
22	Impact of bone harvesting techniques on cell viability and the release of growth factors of autografts. <i>Clinical Implant Dentistry and Related Research</i> , <b>2013</b> , 15, 481-9	3.9	66
21	Porous CaP/silk composite scaffolds to repair femur defects in an osteoporotic model. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 1963-75	4.5	36
20	Gene array of primary human osteoblasts exposed to enamel matrix derivative in combination with a natural bone mineral. <i>Clinical Oral Investigations</i> , <b>2013</b> , 17, 405-10	4.2	27
19	Strontium-incorporated mesoporous bioactive glass scaffolds stimulating in vitro proliferation and differentiation of bone marrow stromal cells and in vivo regeneration of osteoporotic bone defects. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5711-5722	7.3	76
18	Influence of enamel matrix derivative on cells at different maturation stages of differentiation. <i>PLoS ONE</i> , <b>2013</b> , 8, e71008	3.7	23
17	The osteogenic potential of mesoporous bioglasses/silk and non-mesoporous bioglasses/silk scaffolds in ovariectomized rats: in vitro and in vivo evaluation. <i>PLoS ONE</i> , <b>2013</b> , 8, e81014	3.7	34
16	Delivery of PDGF-B and BMP-7 by mesoporous bioglass/silk fibrin scaffolds for the repair of osteoporotic defects. <i>Biomaterials</i> , <b>2012</b> , 33, 6698-708	15.6	140
15	Adsorption of enamel matrix proteins to a bovine-derived bone grafting material and its regulation of cell adhesion, proliferation, and differentiation. <i>Journal of Periodontology</i> , <b>2012</b> , 83, 936-47	4.6	58
14	Synthesis and inflammatory response of a novel silk fibroin scaffold containing BMP7 adenovirus for bone regeneration. <i>Bone</i> , <b>2012</b> , 51, 704-13	4.7	47
13	The in vivo osteogenesis of Mg or Zr-modified silicate-based bioceramic spheres. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 2269-77	5.4	16

12	Enhanced bone regeneration around dental implant with bone morphogenetic protein 2 gene and vascular endothelial growth factor protein delivery. <i>Clinical Oral Implants Research</i> , <b>2012</b> , 23, 467-73	4.8	53
11	Proliferation, differentiation and gene expression of osteoblasts in boron-containing associated with dexamethasone deliver from mesoporous bioactive glass scaffolds. <i>Biomaterials</i> , <b>2011</b> , 32, 7068-78	15.6	205
10	A comparative study of mesoporous glass/silk and non-mesoporous glass/silk scaffolds: physiochemistry and in vivo osteogenesis. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 2229-36	10.8	112
9	Using non-coding small RNAs to develop therapies for Huntington's disease. <i>Gene Therapy</i> , <b>2011</b> , 18, 1139-49	4	34
8	Osteogenic potential of autogenous bone grafts harvested with four different surgical techniques. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 1428-33	8.1	76
7	Premature osteoblast clustering by enamel matrix proteins induces osteoblast differentiation through up-regulation of connexin 43 and N-cadherin. <i>PLoS ONE</i> , <b>2011</b> , 6, e23375	3.7	33
6	Identification and analysis of type II TGF- $\beta$ receptors in BMP-9-induced osteogenic differentiation of C3H10T1/2 mesenchymal stem cells. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2010</b> , 42, 699-708	2.8	33
5	The osteogenic properties of CaP/silk composite scaffolds. <i>Biomaterials</i> , <b>2010</b> , 31, 2848-56	15.6	101
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3	The synergetic bone-forming effects of combinations of growth factors expressed by adenovirus vectors on chitosan/collagen scaffolds. <i>Journal of Controlled Release</i> , <b>2009</b> , 136, 172-8	11.7	55
2	Combination of scaffold and adenovirus vectors expressing bone morphogenetic protein-7 for alveolar bone regeneration at dental implant defects. <i>Biomaterials</i> , <b>2007</b> , 28, 4635-42	15.6	73
1	Novel chitosan/collagen scaffold containing transforming growth factor-beta1 DNA for periodontal tissue engineering. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 344, 362-9	3.4	128