

Yin Xiao

List of Publications by Year in descending order

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345
papers

17,845
citations

9786

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21540

114
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356
docs citations

356
times ranked

18100
citing authors

#	ARTICLE	IF	CITATIONS
1	A practical guide to promote informatics-driven efficient biotopographic material development. <i>Bioactive Materials</i> , 2022, 8, 515-528.	15.6	3
2	The deterioration of calcified cartilage integrity reflects the severity of osteoarthritisâ€”A structural, molecular, and biochemical analysis. <i>FASEB Journal</i> , 2022, 36, e22142.	0.5	12
3	Advances in cell membrane-encapsulated biomaterials for tissue repair and regeneration. <i>Applied Materials Today</i> , 2022, 26, 101389.	4.3	9
4	The interplay between hemostasis and immune response in biomaterial development for osteogenesis. <i>Materials Today</i> , 2022, 54, 202-224.	14.2	29
5	Differential Nanoscale Topography Dedicates Osteocyte-Manipulated Osteogenesis via Regulation of the TGF- β^2 Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4212.	4.1	4
6	Gold Nanoclusters Potentially Facilitate Dentin Regeneration by Functioning Immunomodulation. <i>Frontiers in Materials</i> , 2022, 9, .	2.4	1
7	Current Development of Nano-Drug Delivery to Target Macrophages. <i>Biomedicines</i> , 2022, 10, 1203.	3.2	20
8	The Modulatory Role of Growth Hormone in Inflammation and Macrophage Activation. <i>Endocrinology</i> , 2022, 163, .	2.8	3
9	<sc>LiCl</sc>-induced immunomodulatory periodontal regeneration via the activation of the Wnt/ β^2 -catenin signaling pathway. <i>Journal of Periodontal Research</i> , 2022, 57, 835-848.	2.7	11
10	Dual-Wavelength Photosensitive Nano-in-Micro Scaffold Regulates Innate and Adaptive Immune Responses for Osteogenesis. <i>Nano-Micro Letters</i> , 2021, 13, 28.	27.0	35
11	Epigenetic changes caused by diabetes and their potential role in the development of periodontitis. <i>Journal of Diabetes Investigation</i> , 2021, 12, 1326-1335.	2.4	10
12	Exosome-mediated delivery of gene vectors for gene therapy. <i>Nanoscale</i> , 2021, 13, 1387-1397.	5.6	136
13	Strategies of 3D bioprinting and parameters that determine cell interaction with the scaffold - A review. , 2021, , 81-95.		0
14	Osteoarthritic Subchondral Bone Release Exosomes That Promote Cartilage Degeneration. <i>Cells</i> , 2021, 10, 251.	4.1	30
15	Osteocytes but not osteoblasts directly build mineralized bone structures. <i>International Journal of Biological Sciences</i> , 2021, 17, 2430-2448.	6.4	16
16	Non-surgical osteoarthritis therapy, intra-articular drug delivery towards clinical applications. <i>Journal of Drug Targeting</i> , 2021, 29, 609-616.	4.4	30
17	Effects of Diet Induced Weight Reduction on Cartilage Pathology and Inflammatory Mediators in the Joint Tissues. <i>Frontiers in Medicine</i> , 2021, 8, 628843.	2.6	5
18	Nitric Oxide generating coating alters hematoma structure and soft tissue healing. <i>Applied Materials Today</i> , 2021, 22, 100919.	4.3	2

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19	Correlation between LncRNA Profiles in the Blood Clot Formed on Nano-Scaled Implant Surfaces and Osseointegration. <i>Nanomaterials</i> , 2021, 11, 674.	4.1	3
20	Effect of fibronectin, FGF-2, and BMP4 in the stemness maintenance of BMSCs and the metabolic and proteomic cues involved. <i>Stem Cell Research and Therapy</i> , 2021, 12, 165.	5.5	12
21	Sustained delivery of growth factors and alendronate using partially demineralized dentin matrix for endogenous periodontal regeneration. <i>Applied Materials Today</i> , 2021, 22, 100922.	4.3	3
22	Macrophages at Low-Inflammatory Status Improved Osteogenesis via Autophagy Regulation. <i>Tissue Engineering - Part A</i> , 2021, , .	3.1	12
23	Effect of Dual Pore Size Architecture on In Vitro Osteogenic Differentiation in Additively Manufactured Hierarchical Scaffolds. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2615-2626.	5.2	9
24	Macro, Micro, and Molecular. Changes of the Osteochondral Interface in Osteoarthritis Development. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 659654.	3.7	23
25	Manganese-Doped Calcium Silicate Nanowire Composite Hydrogels for Melanoma Treatment and Wound Healing. <i>Research</i> , 2021, 2021, 9780943.	5.7	21
26	Modulatory Role of Silver Nanoparticles and Mesenchymal Stem Cell-Derived Exosome-Modified Barrier Membrane on Macrophages and Osteogenesis. <i>Frontiers in Chemistry</i> , 2021, 9, 699802.	3.6	13
27	Increased risk of diabetes in cancer survivors: a pooled analysis of 13 population-based cohort studies. <i>ESMO Open</i> , 2021, 6, 100218.	4.5	17
28	Endogenous nitric oxide-generating surfaces via polydopamine-copper coatings for preventing biofilm dispersal and promoting microbial killing. <i>Materials Science and Engineering C</i> , 2021, 128, 112297.	7.3	20
29	Porous Nanomaterials Targeting Autophagy in Bone Regeneration. <i>Pharmaceutics</i> , 2021, 13, 1572.	4.5	9
30	Inhaled Edoxaban dry powder inhaler formulations: Development, characterization and their effects on the coagulopathy associated with COVID-19 infection. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121122.	5.2	11
31	L-cysteine-modified chiral gold nanoparticles promote periodontal tissue regeneration. <i>Bioactive Materials</i> , 2021, 6, 3288-3299.	15.6	25
32	Injectable bone cement with magnesium-containing microspheres enhances osteogenesis via anti-inflammatory immunoregulation. <i>Bioactive Materials</i> , 2021, 6, 3411-3423.	15.6	49
33	Multifunctional Ca-Zn-Si-based micro-nano spheres with anti-infective, anti-inflammatory, and dentin regenerative properties for pulp capping application. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8289-8299.	5.8	14
34	Targeting Early Healing Phase with Titania Nanotube Arrays on Tunable Diameters to Accelerate Bone Regeneration and Osseointegration. <i>Small</i> , 2021, 17, e2006287.	10.0	57
35	Exosome-Mediated Drug Delivery for Cell-Free Therapy of Osteoarthritis. <i>Current Medicinal Chemistry</i> , 2021, 28, 6458-6483.	2.4	25
36	A micro/nano-biomimetic coating on titanium orchestrates osteo/angio-genesis and osteoimmunomodulation for advanced osseointegration. <i>Biomaterials</i> , 2021, 278, 121162.	11.4	84

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37	Carbon Nanomaterials Modified Biomimetic Dental Implants for Diabetic Patients. <i>Nanomaterials</i> , 2021, 11, 2977.	4.1	9
38	Synovial macrophages in cartilage destruction and regeneration – lessons learnt from osteoarthritis and synovial chondromatosis. <i>Biomedical Materials (Bristol)</i> , 2021, 17, .	3.3	13
39	Cholesterol Induces Pyroptosis and Matrix Degradation via mSREBP1-Driven Endoplasmic Reticulum Stress in Intervertebral Disc Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 803132.	3.7	22
40	Multi-faceted effects of mesenchymal stem cells (MSCs) determined by immune microenvironment and their implications on MSC/biomaterial-based inflammatory disease therapy. <i>Applied Materials Today</i> , 2020, 18, 100485.	4.3	7
41	Dual Functional Monocytes Modulate Bactericidal and Anti-Inflammation Process for Severe Osteomyelitis Treatment. <i>Small</i> , 2020, 16, e1905185.	10.0	40
42	Synergistic regulation of osteoimmune microenvironment by IL-4 and RGD to accelerate osteogenesis. <i>Materials Science and Engineering C</i> , 2020, 109, 110508.	7.3	38
43	Extracellular vesicles: Potential role in osteoarthritis regenerative medicine. <i>Journal of Orthopaedic Translation</i> , 2020, 21, 73-80.	3.9	39
44	3D printing of metal-organic framework nanosheets-structured scaffolds with tumor therapy and bone construction. <i>Biofabrication</i> , 2020, 12, 025005.	7.1	87
45	Fe ₃ O ₄ @TiO ₂ -Laden Neutrophils Activate Innate Immunity via Photosensitive Reactive Oxygen Species Release. <i>Nano Letters</i> , 2020, 20, 261-271.	9.1	44
46	Dihydrolipoic Acid-Gold Nanoclusters Regulate Microglial Polarization and Have the Potential To Alter Neurogenesis. <i>Nano Letters</i> , 2020, 20, 478-495.	9.1	92
47	Biomaterials Regulating Bone Hematoma for Osteogenesis. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000726.	7.6	22
48	Effects of ATP9A on Extracellular Vesicle Release and Exosomal Lipid Composition. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	4.0	10
49	Recent progress on the role of miR-140 in cartilage matrix remodelling and its implications for osteoarthritis treatment. <i>Arthritis Research and Therapy</i> , 2020, 22, 194.	3.5	52
50	Bioactivation of Encapsulation Membranes Reduces Fibrosis and Enhances Cell Survival. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56908-56923.	8.0	9
51	Patient-Specific Bone Particles Bioprinting for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001323.	7.6	42
52	Immunomodulation-Based Strategy for Improving Soft Tissue and Metal Implant Integration and Its Implications in the Development of Metal Soft Tissue Materials. <i>Advanced Functional Materials</i> , 2020, 30, 1910672.	14.9	35
53	Autologous Versatile Vesicles-Incorporated Biomimetic Extracellular Matrix Induces Biomineralization. <i>Advanced Functional Materials</i> , 2020, 30, 2000015.	14.9	23
54	Lithium silicate-based bioceramics promoting chondrocyte maturation by immunomodulating M2 macrophage polarization. <i>Biomaterials Science</i> , 2020, 8, 4521-4534.	5.4	22

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55	Dietary Saturated Fatty Acids Modulate Pain Behaviour in Trauma-Induced Osteoarthritis in Rats. <i>Nutrients</i> , 2020, 12, 509.	4.1	12
56	Dose controlled nitric oxide-based strategies for antibacterial property in biomedical devices. <i>Applied Materials Today</i> , 2020, 19, 100562.	4.3	17
57	Human β -defensin 3 gene modification promotes the osteogenic differentiation of human periodontal ligament cells and bone repair in periodontitis. <i>International Journal of Oral Science</i> , 2020, 12, 13.	8.6	19
58	Mesoporous silica rods with cone shaped pores modulate inflammation and deliver BMP-2 for bone regeneration. <i>Nano Research</i> , 2020, 13, 2323-2331.	10.4	39
59	Graphene oxide coated Titanium Surfaces with Osteoimmunomodulatory Role to Enhance Osteogenesis. <i>Materials Science and Engineering C</i> , 2020, 113, 110983.	7.3	41
60	The Development of Extracellular Vesicle-Integrated Biomaterials for Bone Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1250, 97-108.	1.6	7
61	Endothelium-Mimicking Multifunctional Coating Modified Cardiovascular Stents via a Stepwise Metal-Catechol-(Amine) Surface Engineering Strategy. <i>Research</i> , 2020, 2020, 9203906.	5.7	81
62	Focused Ion Beams in Biology: How the Helium Ion Microscope and FIB/SEMs Help Reveal Nature's Tiniest Structures. <i>Microscopy and Microanalysis</i> , 2019, 25, 864-865.	0.4	0
63	Near-Infrared Light-Sensitive Nano Neuro-Immune Blocker Capsule Relieves Pain and Enhances the Innate Immune Response for Necrotizing Infection. <i>Nano Letters</i> , 2019, 19, 5904-5914.	9.1	41
64	The Autophagy in Osteoimmunology: Self-Eating, Maintenance, and Beyond. <i>Frontiers in Endocrinology</i> , 2019, 10, 490.	3.5	33
65	Lithium-calcium-silicate bioceramics stimulating cementogenic/osteogenic differentiation of periodontal ligament cells and periodontal regeneration. <i>Applied Materials Today</i> , 2019, 16, 375-387.	4.3	21
66	S1P-S1PR1 Signaling: the "Sphinx" in Osteoimmunology. <i>Frontiers in Immunology</i> , 2019, 10, 1409.	4.8	35
67	Immunoregulatory role of exosomes derived from differentiating mesenchymal stromal cells on inflammation and osteogenesis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1978-1991.	2.7	48
68	Aberrant activation of Wnt signaling pathway altered osteocyte mineralization. <i>Bone</i> , 2019, 127, 324-333.	2.9	20
69	The effect of biomimetic calcium deficient hydroxyapatite and sintered β -tricalcium phosphate on osteoimmune reaction and osteogenesis. <i>Acta Biomaterialia</i> , 2019, 96, 605-618.	8.3	95
70	Plasma deposited poly-oxazoline nanotextured surfaces dictate osteoimmunomodulation towards ameliorative osteogenesis. <i>Acta Biomaterialia</i> , 2019, 96, 568-581.	8.3	30
71	Relationship between p16 expression and prognosis in different anatomic subsites of OSCC. <i>Cancer Biomarkers</i> , 2019, 26, 375-383.	1.7	7
72	The role of organic phosphate in the spatial control of periodontium complex bio-mineralization: an <i>in vitro</i> study. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5956-5965.	5.8	7

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73	Novel Ti35Zr28Nb alloy scaffolds manufactured using selective laser melting for bone implant applications. <i>Acta Biomaterialia</i> , 2019, 87, 273-284.	8.3	85
74	Favorable manipulation of macrophage/endothelial cell functionality and their cross-talk on silicon-doped titania nanotube arrays. <i>Nanoscale</i> , 2019, 11, 5920-5931.	5.6	11
75	Pro-resolving lipid mediator ameliorates obesity induced osteoarthritis by regulating synovial macrophage polarisation. <i>Scientific Reports</i> , 2019, 9, 426.	3.3	45
76	Application of Metabolomics to Osteoarthritis: from Basic Science to the Clinical Approach. <i>Current Rheumatology Reports</i> , 2019, 21, 26.	4.7	22
77	Gold nanoparticles modulate the crosstalk between macrophages and periodontal ligament cells for periodontitis treatment. <i>Biomaterials</i> , 2019, 206, 115-132.	11.4	139
78	The edible native Australian fruit, Davidson's plum (<i>Davidsonia pruriens</i>), reduces symptoms in rats with diet-induced metabolic syndrome. <i>Journal of Functional Foods</i> , 2019, 56, 204-215.	3.4	23
79	Bioactive Materials Facilitating Targeted Local Modulation of Inflammation. <i>JACC Basic To Translational Science</i> , 2019, 4, 56-71.	4.1	33
80	Effect of Ovariectomy on Tissue-Level Changes in Rat Maxilla. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019, 34, 865-872.	1.4	0
81	Mg-Phenolic Network Strategy for Enhancing Corrosion Resistance and Osteocompatibility of Degradable Magnesium Alloys. <i>ACS Omega</i> , 2019, 4, 21931-21944.	3.5	27
82	Corrosion of porous Ti35Zr28Nb in Hanks' solution and 3.5% NaCl. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 529-536.	1.5	6
83	A standardized rat burr hole defect model to study maxillofacial bone regeneration. <i>Acta Biomaterialia</i> , 2019, 86, 450-464.	8.3	22
84	Exosome-integrated titanium oxide nanotubes for targeted bone regeneration. <i>Acta Biomaterialia</i> , 2019, 86, 480-492.	8.3	127
85	Sodium Fluoride under Dose Range of 2.4-24 μM , a Promising Osteoimmunomodulatory Agent for Vascularized Bone Formation. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 817-830.	5.2	15
86	Interaction Between Mesenchymal Stem Cells and Immune Cells in Tissue Engineering. , 2019, , 249-256.		2
87	Exosomes Extraction and Identification. <i>Methods in Molecular Biology</i> , 2019, 2054, 81-91.	0.9	46
88	Copper Silicate Hollow Microspheres-Incorporated Scaffolds for Chemo-Photothermal Therapy of Melanoma and Tissue Healing. <i>ACS Nano</i> , 2018, 12, 2695-2707.	14.6	158
89	Notch expressed by osteocytes plays a critical role in mineralisation. <i>Journal of Molecular Medicine</i> , 2018, 96, 333-347.	3.9	20
90	The osteoimmunomodulatory property of a barrier collagen membrane and its manipulation via coating nanometer-sized bioactive glass to improve guided bone regeneration. <i>Biomaterials Science</i> , 2018, 6, 1007-1019.	5.4	64

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91	Immunomodulatory Role of Stem Cells from Human Exfoliated Deciduous Teeth on Periodontal Regeneration. Tissue Engineering - Part A, 2018, 24, 1341-1353.	3.1	60
92	A multifaceted coating on titanium dictates osteoimmunomodulation and osteo/angio-genesis towards ameliorative osseointegration. Biomaterials, 2018, 162, 154-169.	11.4	206
93	SPHK1-S1PR1-RANKL Axis Regulates the Interactions Between Macrophages and BMSCs in Inflammatory Bone Loss. Journal of Bone and Mineral Research, 2018, 33, 1090-1104.	2.8	46
94	A bifunctional scaffold with CuFeSe ₂ nanocrystals for tumor therapy and bone reconstruction. Biomaterials, 2018, 160, 92-106.	11.4	139
95	The regulatory roles of Notch in osteocyte differentiation via the crosstalk with canonical Wnt pathways during the transition of osteoblasts to osteocytes. Bone, 2018, 108, 165-178.	2.9	23
96	Progression of Post-Traumatic Osteoarthritis in rat meniscectomy models: Comprehensive monitoring using MRI. Scientific Reports, 2018, 8, 6861.	3.3	15
97	Accelerated host angiogenesis and immune responses by ion release from mesoporous bioactive glass. Journal of Materials Chemistry B, 2018, 6, 3274-3284.	5.8	56
98	Mesenchymal stromal cells regulate the cell mobility and the immune response during osteogenesis through secretion of vascular endothelial growth factor A. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e566-e578.	2.7	27
99	A new constitutive analysis of hexagonal close-packed metal in equal channel angular pressing by crystal plasticity finite element method. Continuum Mechanics and Thermodynamics, 2018, 30, 69-82.	2.2	3
100	The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. Tissue Engineering - Part A, 2018, 24, 584-594.	3.1	98
101	Mixed cell therapy of bone marrow-derived mesenchymal stem cells and articular cartilage chondrocytes ameliorates osteoarthritis development. Laboratory Investigation, 2018, 98, 106-116.	3.7	20
102	Immunomodulatory effects of mesoporous silica nanoparticles on osteogenesis: From nanoimmunotoxicity to nanoimmunotherapy. Applied Materials Today, 2018, 10, 184-193.	4.3	44
103	Alteration of clot architecture using bone substitute biomaterials (beta-tricalcium phosphate) significantly delays the early bone healing process. Journal of Materials Chemistry B, 2018, 6, 8204-8213.	5.8	14
104	FIB/SEM Processing of Biological Samples. Microscopy and Microanalysis, 2018, 24, 822-823.	0.4	3
105	Modulation of the Osteoimmune Environment in the Development of Biomaterials for Osteogenesis. Advances in Experimental Medicine and Biology, 2018, 1077, 69-86.	1.6	11
106	Nanodrug delivery system using medicinal plants. , 2018, , 357-375.		2
107	Tuning the bioactivity of bone morphogenetic protein-2 with surface immobilization strategies. Acta Biomaterialia, 2018, 80, 108-120.	8.3	24
108	The effects of TiO ₂ nanotube arrays with different diameters on macrophage/endothelial cell response and <i>ex vivo</i> hemocompatibility. Journal of Materials Chemistry B, 2018, 6, 6322-6333.	5.8	23

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109	Blood Prefabrication Subcutaneous Small Animal Model for the Evaluation of Bone Substitute Materials. ACS Biomaterials Science and Engineering, 2018, 4, 2516-2527.	5.2	11
110	Saturated fatty acids promote chondrocyte matrix remodeling through reprogramming of autophagy pathways. Nutrition, 2018, 54, 144-152.	2.4	23
111	Effect of nano-structural properties of biomimetic hydroxyapatite on osteoimmunomodulation. Biomaterials, 2018, 181, 318-332.	11.4	94
112	The immunomodulatory role of sulfated chitosan in BMP-2-mediated bone regeneration. Biomaterials Science, 2018, 6, 2496-2507.	5.4	28
113	Biodegradable Metallic Wires in Dental and Orthopedic Applications: A Review. Metals, 2018, 8, 212.	2.3	33
114	Modelling of focused ion beam induced increases in sample temperature: a case study of heat damage in biological samples. Journal of Microscopy, 2018, 272, 47-59.	1.8	11
115	Double-layered microsphere based dual growth factor delivery system for guided bone regeneration. RSC Advances, 2018, 8, 16503-16512.	3.6	18
116	Differential effect of hydroxyapatite nano-particle versus nano-rod decorated titanium micro-surface on osseointegration. Acta Biomaterialia, 2018, 76, 344-358.	8.3	93
117	Blood prefabricated hydroxyapatite/tricalcium phosphate induces ectopic vascularized bone formation via modulating the osteoimmune environment. Biomaterials Science, 2018, 6, 2156-2171.	5.4	24
118	The Effects of Simvastatin on Osseo-Integration Around Titanium Implants in Posterior Maxilla of Osteoporotic Rats. IFMBE Proceedings, 2018, , 609-613.	0.3	0
119	Strategies to direct vascularisation using mesoporous bioactive glass-based biomaterials for bone regeneration. International Materials Reviews, 2017, 62, 392-414.	19.3	44
120	The Horizon of Materiobiology: A Perspective on Material-Guided Cell Behaviors and Tissue Engineering. Chemical Reviews, 2017, 117, 4376-4421.	47.7	424
121	Bio-inspired hybrid nanoparticles promote vascularized bone regeneration in a morphology-dependent manner. Nanoscale, 2017, 9, 5794-5805.	5.6	33
122	Activation of Macrophages by Lipopolysaccharide for Assessing the Immunomodulatory Property of Biomaterials<sup />. Tissue Engineering - Part A, 2017, 23, 1100-1109.	3.1	24
123	Tuning Chemistry and Topography of Nanoengineered Surfaces to Manipulate Immune Response for Bone Regeneration Applications. ACS Nano, 2017, 11, 4494-4506.	14.6	223
124	Saturated fatty acids induce development of both metabolic syndrome and osteoarthritis in rats. Scientific Reports, 2017, 7, 46457.	3.3	71
125	Leptin Overexpression in Bone Marrow Stromal Cells Promotes Periodontal Regeneration in a Rat Model of Osteoporosis. Journal of Periodontology, 2017, 88, 808-818.	3.4	28
126	Stiffness and strength tailoring of cobalt chromium graded cellular structures for stress-shielding reduction. Materials and Design, 2017, 114, 633-641.	7.0	163

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127	Alternative designs of load-sharing cobalt chromium graded femoral stems. <i>Materials Today Communications</i> , 2017, 12, 1-10.	1.9	31
128	Effect of local hIL-10 gene therapy on experimental periodontitis in ovariectomized rats. <i>Acta Odontologica Scandinavica</i> , 2017, 75, 268-279.	1.6	5
129	3D-printed cellular structures for bone biomimetic implants. <i>Additive Manufacturing</i> , 2017, 15, 93-101.	3.0	91
130	Cholesterol metabolism in pathogenesis of osteoarthritis disease. <i>International Journal of Rheumatic Diseases</i> , 2017, 20, 131-140.	1.9	71
131	Biomimic Design of Periosteum: Construction Strategies, Scaffold Design and Cell Sources. <i>Springer Series in Biomaterials Science and Engineering</i> , 2017, , 303-318.	1.0	1
132	Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. <i>Nanoscale</i> , 2017, 9, 706-718.	5.6	134
133	RANKL-induced M1 macrophages are involved in bone formation. <i>Bone Research</i> , 2017, 5, 17019.	11.4	97
134	Europium-doped mesoporous silica nanosphere as an immune-modulating osteogenesis/angiogenesis agent. <i>Biomaterials</i> , 2017, 144, 176-187.	11.4	144
135	Monitoring osteoarthritis progression using near infrared (NIR) spectroscopy. <i>Scientific Reports</i> , 2017, 7, 11463.	3.3	25
136	High dietary cholesterol level induced metabolic overload cause osteoarthritis-like changes of the cartilage and shift macrophage polarization status in a mouse model. <i>Osteoarthritis and Cartilage</i> , 2017, 25, S404-S405.	1.3	1
137	Nanotopography-based strategy for the precise manipulation of osteoimmunomodulation in bone regeneration. <i>Nanoscale</i> , 2017, 9, 18129-18152.	5.6	113
138	Protective effects of mitochondria-targeted antioxidants and statins on cholesterol-induced osteoarthritis. <i>FASEB Journal</i> , 2017, 31, 356-367.	0.5	74
139	Structural properties of fracture haematoma: current status and future clinical implications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2864-2875.	2.7	42
140	Dietary Fats and Osteoarthritis: Insights, Evidences, and New Horizons. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 453-463.	2.6	13
141	Biomedical Applications of Dental and Oral-Derived Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-2.	2.5	1
142	Obesity-associated metabolic syndrome spontaneously induces infiltration of pro-inflammatory macrophage in synovium and promotes osteoarthritis. <i>PLoS ONE</i> , 2017, 12, e0183693.	2.5	69
143	Convergence of Osteoimmunology and Immunomodulation for the Development and Assessment of Bone Biomaterials. , 2017, , 107-124.		7
144	Bioactive Scaffolds with Multifunctional Properties for Hard Tissue Regenerations. <i>Springer Series in Biomaterials Science and Engineering</i> , 2017, , 371-388.	1.0	1

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145	Implant Surface Modifications and Osseointegration. Springer Series in Biomaterials Science and Engineering, 2017, , 107-131.	1.0	3
146	The Ultrastructural Relationship Between Osteocytes and Dental Implants Following Osseointegration. Clinical Implant Dentistry and Related Research, 2016, 18, 270-280.	3.7	24
147	Multi-Elemental Profiling of Tibial and Maxillary Trabecular Bone in Ovariectomised Rats. International Journal of Molecular Sciences, 2016, 17, 977.	4.1	1
148	Characterization of nano-structural and nano-mechanical properties of osteoarthritic subchondral bone. BMC Musculoskeletal Disorders, 2016, 17, 367.	1.9	34
149	The effects of implant topography on osseointegration under estrogen deficiency induced osteoporotic conditions: Histomorphometric, transcriptional and ultrastructural analysis. Acta Biomaterialia, 2016, 42, 351-363.	8.3	50
150	Chondromodulin-1 ameliorates osteoarthritis progression by inhibiting HIF-2 α activity. Osteoarthritis and Cartilage, 2016, 24, 1970-1980.	1.3	20
151	Blood clot formed on rough titanium surface induces early cell recruitment. Clinical Oral Implants Research, 2016, 27, 1031-1038.	4.5	38
152	The impact of Wnt signalling and hypoxia on osteogenic and cementogenic differentiation in human periodontal ligament cells. Molecular Medicine Reports, 2016, 14, 4975-4982.	2.4	22
153	Alteration of blood clot structures by interleukin-1 beta in association with bone defects healing. Scientific Reports, 2016, 6, 35645.	3.3	32
154	Inhibition of vascular endothelial growth factor with shRNA in chondrocytes ameliorates osteoarthritis. Journal of Molecular Medicine, 2016, 94, 787-798.	3.9	22
155	Proinflammatory Cytokines Regulate Cementogenic Differentiation of Periodontal Ligament Cells by Wnt/Ca ²⁺ Signaling Pathway. Journal of Interferon and Cytokine Research, 2016, 36, 328-337.	1.2	17
156	Europium-Containing Mesoporous Bioactive Glass Scaffolds for Stimulating in Vitro and in Vivo Osteogenesis. ACS Applied Materials & Interfaces, 2016, 8, 11342-11354.	8.0	68
157	Characterization of mesoporous calcium phosphates from calcareous marine sediments containing Si, Sr and Zn for bone tissue engineering. Journal of Materials Chemistry B, 2016, 4, 6842-6855.	5.8	11
158	Is Synovial Macrophage Activation the Inflammatory Link Between Obesity and Osteoarthritis?. Current Rheumatology Reports, 2016, 18, 57.	4.7	30
159	Dental pulp stem cells express tendon markers under mechanical loading and are a potential cell source for tissue engineering of tendon-like tissue. International Journal of Oral Science, 2016, 8, 213-222.	8.6	30
160	Osteoimmunomodulation for the development of advanced bone biomaterials. Materials Today, 2016, 19, 304-321.	14.2	513
161	Evaluation of the first maxillary molar post-extraction socket as a model for dental implant osseointegration research. Clinical Oral Implants Research, 2016, 27, 1469-1478.	4.5	11
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