Yin Xiao

List of Publications by Year in Descending Order

325 papers	13,095 citations	63 h-index	100 g-index
356 ext. papers	15,542 ext. citations	6.6 avg, IF	6.78 L-index

#	Paper	IF	Citations
325	The deterioration of calcified cartilage integrity reflects the severity of osteoarthritis-A structural, molecular, and biochemical analysis.. *FASEB Journal*, **2022**, 36, e22142	0.9	1
324	Advances in cell membrane-encapsulated biomaterials for tissue repair and regeneration. *Applied Materials Today*, **2022**, 26, 101389	6.6	1
323	A practical guide to promote informatics-driven efficient biotopographic material development. *Bioactive Materials*, **2022**, 8, 515-528	16.7	0
322	Current Development of Nano-Drug Delivery to Target Macrophages. *Biomedicines*, **2022**, 10, 1203	4.8	3
321	Cholesterol Induces Pyroptosis and Matrix Degradation mSREBP1-Driven Endoplasmic Reticulum Stress in Intervertebral Disc Degeneration.. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 803132	5.7	1
320	Synovial macrophages in cartilage destruction and regeneration-lessons learnt from osteoarthritis and synovial chondromatosis. *Biomedical Materials (Bristol)*, **2021**, 17,	3.5	3
319	Exosome-Mediated Drug Delivery for Cell-Free Therapy of Osteoarthritis. *Current Medicinal Chemistry*, **2021**, 28, 6458-6483	4.3	9
318	A micro/nano-biomimetic coating on titanium orchestrates osteo/angio-genesis and osteoimmunomodulation for advanced osseointegration. *Biomaterials*, **2021**, 278, 121162	15.6	9
317	Effects of Diet Induced Weight Reduction on Cartilage Pathology and Inflammatory Mediators in the Joint Tissues. *Frontiers in Medicine*, **2021**, 8, 628843	4.9	2
316	Nitric Oxide generating coating alters hematoma structure and soft tissue healing. *Applied Materials Today*, **2021**, 22, 100919	6.6	1
315	Correlation between LncRNA Profiles in the Blood Clot Formed on Nano-Scaled Implant Surfaces and Osseointegration. *Nanomaterials*, **2021**, 11,	5.4	2
314	Effect of fibronectin, FGF-2, and BMP4 in the stemness maintenance of BMSCs and the metabolic and proteomic cues involved. *Stem Cell Research and Therapy*, **2021**, 12, 165	8.3	2
313	Sustained delivery of growth factors and alendronate using partially demineralized dentin matrix for endogenous periodontal regeneration. *Applied Materials Today*, **2021**, 22, 100922	6.6	2
312	Macrophages at Low-Inflammatory Status Improved Osteogenesis via Autophagy Regulation. *Tissue Engineering - Part A*, **2021**,	3.9	2
311	Effect of Dual Pore Size Architecture on In Vitro Osteogenic Differentiation in Additively Manufactured Hierarchical Scaffolds. *ACS Biomaterials Science and Engineering*, **2021**, 7, 2615-2626	5.5	1
310	Macro, Micro, and Molecular. Changes of the Osteochondral Interface in Osteoarthritis Development. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 659654	5.7	7
309	Manganese-Doped Calcium Silicate Nanowire Composite Hydrogels for Melanoma Treatment and Wound Healing. *Research*, **2021**, 2021, 9780943	7.8	5

308	Epigenetic changes caused by diabetes and their potential role in the development of periodontitis. *Journal of Diabetes Investigation*, **2021**, 12, 1326-1335	3.9	1
307	Exosome-mediated delivery of gene vectors for gene therapy. *Nanoscale*, **2021**, 13, 1387-1397	7.7	29
306	Strategies of 3D bioprinting and parameters that determine cell interaction with the scaffold - A review **2021**, 81-95		
305	Osteoarthritic Subchondral Bone Release Exosomes That Promote Cartilage Degeneration. *Cells*, **2021**, 10,	7.9	10
304	Osteocytes but not osteoblasts directly build mineralized bone structures. *International Journal of Biological Sciences*, **2021**, 17, 2430-2448	11.2	4
303	Non-surgical osteoarthritis therapy, intra-articular drug delivery towards clinical applications. *Journal of Drug Targeting*, **2021**, 29, 609-616	5.4	6
302	Modulatory Role of Silver Nanoparticles and Mesenchymal Stem Cell-Derived Exosome-Modified Barrier Membrane on Macrophages and Osteogenesis. *Frontiers in Chemistry*, **2021**, 9, 699802	5	2
301	Increased risk of diabetes in cancer survivors: a pooled analysis of 13 population-based cohort studies. *ESMO Open*, **2021**, 6, 100218	6	3
300	Endogenous nitric oxide-generating surfaces via polydopamine-copper coatings for preventing biofilm dispersal and promoting microbial killing. *Materials Science and Engineering C*, **2021**, 128, 112297	8.3	2
299	Inhaled Edoxaban dry powder inhaler formulations: Development, characterization and their effects on the coagulopathy associated with COVID-19 infection. *International Journal of Pharmaceutics*, **2021**, 608, 121122	6.5	1
298	l-cysteine-modified chiral gold nanoparticles promote periodontal tissue regeneration. *Bioactive Materials*, **2021**, 6, 3288-3299	16.7	4
297	Injectable bone cement with magnesium-containing microspheres enhances osteogenesis via anti-inflammatory immunoregulation. *Bioactive Materials*, **2021**, 6, 3411-3423	16.7	9
296	Multifunctional Ca-Zn-Si-based micro-nano spheres with anti-infective, anti-inflammatory, and dentin regenerative properties for pulp capping application. *Journal of Materials Chemistry B*, **2021**, 9, 8289-8299	7.3	2
295	Targeting Early Healing Phase with Titania Nanotube Arrays on Tunable Diameters to Accelerate Bone Regeneration and Osseointegration. *Small*, **2021**, 17, e2006287	11	18
294	Patient-Specific Bone Particles Bioprinting for Bone Tissue Engineering. *Advanced Healthcare Materials*, **2020**, 9, e2001323	10.1	10
293	Immunomodulation-Based Strategy for Improving Soft Tissue and Metal Implant Integration and Its Implications in the Development of Metal Soft Tissue Materials. *Advanced Functional Materials*, **2020**, 30, 1910672	15.6	17
292	Autologous Versatile Vesicles-Incorporated Biomimetic Extracellular Matrix Induces Biomineralization. *Advanced Functional Materials*, **2020**, 30, 2000015	15.6	12
291	Lithium silicate-based bioceramics promoting chondrocyte maturation by immunomodulating M2 macrophage polarization. *Biomaterials Science*, **2020**, 8, 4521-4534	7.4	12

290	Dietary Saturated Fatty Acids Modulate Pain Behaviour in Trauma-Induced Osteoarthritis in Rats. *Nutrients*, **2020**, 12,	6.7	9
289	Dose controlled nitric oxide-based strategies for antibacterial property in biomedical devices. *Applied Materials Today*, **2020**, 19, 100562	6.6	8
288	Human β-defensin 3 gene modification promotes the osteogenic differentiation of human periodontal ligament cells and bone repair in periodontitis. *International Journal of Oral Science*, **2020**, 12, 13	27.9	9
287	Endothelium-Mimicking Multifunctional Coating Modified Cardiovascular Stents via a Stepwise Metal-Catechol-(Amine) Surface Engineering Strategy. *Research*, **2020**, 2020, 9203906	7.8	45
286	The Development of Extracellular Vesicle-Integrated Biomaterials for Bone Regeneration. *Advances in Experimental Medicine and Biology*, **2020**, 1250, 97-108	3.6	3
285	Multi-faceted effects of mesenchymal stem cells (MSCs) determined by immune microenvironment and their implications on MSC/biomaterial-based inflammatory disease therapy. *Applied Materials Today*, **2020**, 18, 100485	6.6	5
284	Dual Functional Monocytes Modulate Bactericidal and Anti-Inflammation Process for Severe Osteomyelitis Treatment. *Small*, **2020**, 16, e1905185	11	20
283	Synergistic regulation of osteoimmune microenvironment by IL-4 and RGD to accelerate osteogenesis. *Materials Science and Engineering C*, **2020**, 109, 110508	8.3	21
282	Extracellular vesicles: Potential role in osteoarthritis regenerative medicine. *Journal of Orthopaedic Translation*, **2020**, 21, 73-80	4.2	27
281	3D printing of metal-organic framework nanosheets-structured scaffolds with tumor therapy and bone construction. *Biofabrication*, **2020**, 12, 025005	10.5	39
280	FeO@TiO-Laden Neutrophils Activate Innate Immunity via Photosensitive Reactive Oxygen Species Release. *Nano Letters*, **2020**, 20, 261-271	11.5	24
279	Dihydrolipoic Acid-Gold Nanoclusters Regulate Microglial Polarization and Have the Potential To Alter Neurogenesis. *Nano Letters*, **2020**, 20, 478-495	11.5	47
278	Biomaterials Regulating Bone Hematoma for Osteogenesis. *Advanced Healthcare Materials*, **2020**, 9, e2000726	10.1	7
277	Effects of ATP9A on Extracellular Vesicle Release and Exosomal Lipid Composition. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 8865499	6.7	4
276	Recent progress on the role of miR-140 in cartilage matrix remodelling and its implications for osteoarthritis treatment. *Arthritis Research and Therapy*, **2020**, 22, 194	5.7	30
275	Bioactivation of Encapsulation Membranes Reduces Fibrosis and Enhances Cell Survival. *ACS Applied Materials & Interfaces*, **2020**, 12, 56908-56923	9.5	5
274	Mesoporous silica rods with cone shaped pores modulate inflammation and deliver BMP-2 for bone regeneration. *Nano Research*, **2020**, 13, 2323-2331	10	21
273	Graphene oxide coated Titanium Surfaces with Osteoimmunomodulatory Role to Enhance Osteogenesis. *Materials Science and Engineering C*, **2020**, 113, 110983	8.3	20

272	Dual-Wavelength Photosensitive Nano-in-Micro Scaffold Regulates Innate and Adaptive Immune Responses for Osteogenesis. *Nano-Micro Letters*, **2020**, 13, 28	19.5	10
271	The role of organic phosphate in the spatial control of periodontium complex bio-mineralization: an in vitro study. *Journal of Materials Chemistry B*, **2019**, 7, 5956-5965	7.3	3
270	Novel β-Ti35Zr28Nb alloy scaffolds manufactured using selective laser melting for bone implant applications. *Acta Biomaterialia*, **2019**, 87, 273-284	10.8	52
269	Favorable manipulation of macrophage/endothelial cell functionality and their cross-talk on silicon-doped titania nanotube arrays. *Nanoscale*, **2019**, 11, 5920-5931	7.7	7
268	Pro-resolving lipid mediator ameliorates obesity induced osteoarthritis by regulating synovial macrophage polarisation. *Scientific Reports*, **2019**, 9, 426	4.9	27
267	Application of Metabolomics to Osteoarthritis: from Basic Science to the Clinical Approach. *Current Rheumatology Reports*, **2019**, 21, 26	4.9	11
266	Gold nanoparticles modulate the crosstalk between macrophages and periodontal ligament cells for periodontitis treatment. *Biomaterials*, **2019**, 206, 115-132	15.6	64
265	The edible native Australian fruit, Davidson's plum (Davidsonia pruriens), reduces symptoms in rats with diet-induced metabolic syndrome. *Journal of Functional Foods*, **2019**, 56, 204-215	5.1	19
264	Bioactive Materials Facilitating Targeted Local Modulation of Inflammation. *JACC Basic To Translational Science*, **2019**, 4, 56-71	8.7	20
263	Effect of ovariectomy on tissue-level changes in rat maxilla. *International Journal of Oral and Maxillofacial Implants*, **2019**, 34, 865-872	2.8	
262	Focused Ion Beams in Biology: How the Helium Ion Microscope and FIB/SEMs Help Reveal Nature's Tiniest Structures. *Microscopy and Microanalysis*, **2019**, 25, 864-865	0.5	
261	Near-Infrared Light-Sensitive Nano Neuro-Immune Blocker Capsule Relieves Pain and Enhances the Innate Immune Response for Necrotizing Infection. *Nano Letters*, **2019**, 19, 5904-5914	11.5	19
260	The Autophagy in Osteoimmonology: Self-Eating, Maintenance, and Beyond. *Frontiers in Endocrinology*, **2019**, 10, 490	5.7	21
259	Lithium-calcium-silicate bioceramics stimulating cementogenic/osteogenic differentiation of periodontal ligament cells and periodontal regeneration. *Applied Materials Today*, **2019**, 16, 375-387	6.6	14
258	S1P-S1PR1 Signaling: the "Sphinx" in Osteoimmunology. *Frontiers in Immunology*, **2019**, 10, 1409	8.4	21
257	Immunoregulatory role of exosomes derived from differentiating mesenchymal stromal cells on inflammation and osteogenesis. *Journal of Tissue Engineering and Regenerative Medicine*, **2019**, 13, 1978-1991	4.4	23
256	Aberrant activation of Wnt signaling pathway altered osteocyte mineralization. *Bone*, **2019**, 127, 324-333	4.7	9
255	The effect of biomimetic calcium deficient hydroxyapatite and sintered β-tricalcium phosphate on osteoimmune reaction and osteogenesis. *Acta Biomaterialia*, **2019**, 96, 605-618	10.8	56

254	Plasma deposited poly-oxazoline nanotextured surfaces dictate osteoimmunomodulation towards ameliorative osteogenesis. *Acta Biomaterialia*, **2019**, 96, 568-581	10.8	21
253	Relationship between p16 expression and prognosis in different anatomic subsites of OSCC. *Cancer Biomarkers*, **2019**, 26, 375-383	3.8	6
252	Exosomes Extraction and Identification. *Methods in Molecular Biology*, **2019**, 2054, 81-91	1.4	19
251	Mg-Phenolic Network Strategy for Enhancing Corrosion Resistance and Osteocompatibility of Degradable Magnesium Alloys. *ACS Omega*, **2019**, 4, 21931-21944	3.9	13
250	Corrosion of porous Ti35Zr28Nb in Hanks□solution and 3.5 wt% NaCl. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2019**, 70, 529-536	1.6	4
249	A standardized rat burr hole defect model to study maxillofacial bone regeneration. *Acta Biomaterialia*, **2019**, 86, 450-464	10.8	10
248	Exosome-integrated titanium oxide nanotubes for targeted bone regeneration. *Acta Biomaterialia*, **2019**, 86, 480-492	10.8	72
247	Sodium Fluoride under Dose Range of 2.4-24 ₥, a Promising Osteoimmunomodulatory Agent for Vascularized Bone Formation. *ACS Biomaterials Science and Engineering*, **2019**, 5, 817-830	5.5	9
246	Interaction Between Mesenchymal Stem Cells and Immune Cells in Tissue Engineering **2019**, 249-256		1
245	Copper Silicate Hollow Microspheres-Incorporated Scaffolds for Chemo-Photothermal Therapy of Melanoma and Tissue Healing. *ACS Nano*, **2018**, 12, 2695-2707	16.7	114
244	Notch expressed by osteocytes plays a critical role in mineralisation. *Journal of Molecular Medicine*, **2018**, 96, 333-347	5.5	13
243	The osteoimmunomodulatory property of a barrier collagen membrane and its manipulation via coating nanometer-sized bioactive glass to improve guided bone regeneration. *Biomaterials Science* , **2018**, 6, 1007-1019	7.4	37
242	Immunomodulatory Role of Stem Cells from Human Exfoliated Deciduous Teeth on Periodontal Regeneration. *Tissue Engineering - Part A*, **2018**, 24, 1341-1353	3.9	37
241	A multifaceted coating on titanium dictates osteoimmunomodulation and osteo/angio-genesis towards ameliorative osseointegration. *Biomaterials*, **2018**, 162, 154-169	15.6	134
240	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	6.3	27
239	A bifunctional scaffold with CuFeSe nanocrystals for tumor therapy and bone reconstruction. *Biomaterials*, **2018**, 160, 92-106	15.6	95
238	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	4.7	13
237	Progression of Post-Traumatic Osteoarthritis in rat meniscectomy models: Comprehensive monitoring using MRI. *Scientific Reports*, **2018**, 8, 6861	4.9	13

236	Accelerated host angiogenesis and immune responses by ion release from mesoporous bioactive glass. *Journal of Materials Chemistry B*, **2018**, 6, 3274-3284	7.3	25
235	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	4.4	20
234	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	3.5	2
233	The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. *Tissue Engineering - Part A*, **2018**, 24, 584-594	3.9	57
232	Mixed cell therapy of bone marrow-derived mesenchymal stem cells and articular cartilage chondrocytes ameliorates osteoarthritis development. *Laboratory Investigation*, **2018**, 98, 106-116	5.9	13
231	Effect of nano-structural properties of biomimetic hydroxyapatite on osteoimmunomodulation. *Biomaterials*, **2018**, 181, 318-332	15.6	63
230	The immunomodulatory role of sulfated chitosan in BMP-2-mediated bone regeneration. *Biomaterials Science*, **2018**, 6, 2496-2507	7.4	17
229	Biodegradable Metallic Wires in Dental and Orthopedic Applications: A Review. *Metals*, **2018**, 8, 212	2.3	22
228	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	1.9	4
227	Double-layered microsphere based dual growth factor delivery system for guided bone regeneration.. *RSC Advances*, **2018**, 8, 16503-16512	3.7	10
226	Differential effect of hydroxyapatite nano-particle versus nano-rod decorated titanium micro-surface on osseointegration. *Acta Biomaterialia*, **2018**, 76, 344-358	10.8	60
225	Blood prefabricated hydroxyapatite/tricalcium phosphate induces ectopic vascularized bone formation via modulating the osteoimmune environment. *Biomaterials Science*, **2018**, 6, 2156-2171	7.4	17
224	An Evaluation on the Effect of Osteoporosis on Osseointegration Around Titanium Implants in Posterior Maxilla Following a Tooth Extraction. *IFMBE Proceedings*, **2018**, 603-607	0.2	
223	The Effects of Simvastatin on Osseo-Integration Around Titanium Implants in Posterior Maxilla of Osteoporotic Rats. *IFMBE Proceedings*, **2018**, 609-613	0.2	
222	Immunomodulatory effects of mesoporous silica nanoparticles on osteogenesis: From nanoimmunotoxicity to nanoimmunotherapy. *Applied Materials Today*, **2018**, 10, 184-193	6.6	28
221	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	7.3	9
220	FIB/SEM Processing of Biological Samples. *Microscopy and Microanalysis*, **2018**, 24, 822-823	0.5	2
219	Modulation of the Osteoimmune Environment in the Development of Biomaterials for Osteogenesis. *Advances in Experimental Medicine and Biology*, **2018**, 1077, 69-86	3.6	8

218	Nanodrug delivery system using medicinal plants **2018**, 357-375		1
217	Tuning the bioactivity of bone morphogenetic protein-2 with surface immobilization strategies. *Acta Biomaterialia*, **2018**, 80, 108-120	10.8	18
216	The effects of TiO nanotube arrays with different diameters on macrophage/endothelial cell response and ex vivo hemocompatibility. *Journal of Materials Chemistry B*, **2018**, 6, 6322-6333	7.3	15
215	Blood Prefabrication Subcutaneous Small Animal Model for the Evaluation of Bone Substitute Materials. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2516-2527	5.5	8
214	Saturated fatty acids promote chondrocyte matrix remodeling through reprogramming of autophagy pathways. *Nutrition*, **2018**, 54, 144-152	4.8	12
213	Strategies to direct vascularisation using mesoporous bioactive glass-based biomaterials for bone regeneration. *International Materials Reviews*, **2017**, 62, 392-414	16.1	28
212	The Horizon of Materiobiology: A Perspective on Material-Guided Cell Behaviors and Tissue Engineering. *Chemical Reviews*, **2017**, 117, 4376-4421	68.1	296
211	Bio-inspired hybrid nanoparticles promote vascularized bone regeneration in a morphology-dependent manner. *Nanoscale*, **2017**, 9, 5794-5805	7.7	26
210	Activation of Macrophages by Lipopolysaccharide for Assessing the Immunomodulatory Property of Biomaterials. *Tissue Engineering - Part A*, **2017**, 23, 1100-1109	3.9	13
209	Tuning Chemistry and Topography of Nanoengineered Surfaces to Manipulate Immune Response for Bone Regeneration Applications. *ACS Nano*, **2017**, 11, 4494-4506	16.7	153
208	Saturated fatty acids induce development of both metabolic syndrome and osteoarthritis in rats. *Scientific Reports*, **2017**, 7, 46457	4.9	57
207	Leptin Overexpression in Bone Marrow Stromal Cells Promotes Periodontal Regeneration in a Rat Model of Osteoporosis. *Journal of Periodontology*, **2017**, 88, 808-818	4.6	15
206	Stiffness and strength tailoring of cobalt chromium graded cellular structures for stress-shielding reduction. *Materials and Design*, **2017**, 114, 633-641	8.1	111
205	Alternative designs of load□haring cobalt chromium graded femoral stems. *Materials Today Communications*, **2017**, 12, 1-10	2.5	19
204	Effect of local hIL-10 gene therapy on experimental periodontitis in ovariectomized rats. *Acta Odontologica Scandinavica*, **2017**, 75, 268-279	2.2	2
203	3D-printed cellular structures for bone biomimetic implants. *Additive Manufacturing*, **2017**, 15, 93-101	6.1	49
202	Cholesterol metabolism in pathogenesis of osteoarthritis disease. *International Journal of Rheumatic Diseases*, **2017**, 20, 131-140	2.3	35
201	Biomimic Design of Periosteum: Construction Strategies, Scaffold Design and Cell Sources. *Springer Series in Biomaterials Science and Engineering*, **2017**, 303-318	0.6	1

200	Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. *Nanoscale*, **2017**, 9, 706-718	7.7	97
199	RANKL-induced M1 macrophages are involved in bone formation. *Bone Research*, **2017**, 5, 17019	13.3	52
198	Obesity-associated metabolic syndrome spontaneously induces infiltration of pro-inflammatory macrophage in synovium and promotes osteoarthritis. *PLoS ONE*, **2017**, 12, e0183693	3.7	49
197	Europium-doped mesoporous silica nanosphere as an immune-modulating osteogenesis/angiogenesis agent. *Biomaterials*, **2017**, 144, 176-187	15.6	98
196	Monitoring osteoarthritis progression using near infrared (NIR) spectroscopy. *Scientific Reports*, **2017**, 7, 11463	4.9	17
195	Nanotopography-based strategy for the precise manipulation of osteoimmunomodulation in bone regeneration. *Nanoscale*, **2017**, 9, 18129-18152	7.7	77
194	Protective effects of mitochondria-targeted antioxidants and statins on cholesterol-induced osteoarthritis. *FASEB Journal*, **2017**, 31, 356-367	0.9	45
193	Structural properties of fracture haematoma: current status and future clinical implications. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2864-2875	4.4	21
192	Dietary Fats and Osteoarthritis: Insights, Evidences, and New Horizons. *Journal of Cellular Biochemistry*, **2017**, 118, 453-463	4.7	10
191	Convergence of Osteoimmunology and Immunomodulation for the Development and Assessment of Bone Biomaterials **2017**, 107-124		6
190	Bioactive Scaffolds with Multifunctional Properties for Hard Tissue Regenerations. *Springer Series in Biomaterials Science and Engineering*, **2017**, 371-388	0.6	1
189	Implant Surface Modifications and Osseointegration. *Springer Series in Biomaterials Science and Engineering*, **2017**, 107-131	0.6	1
188	The Ultrastructural Relationship Between Osteocytes and Dental Implants Following Osseointegration. *Clinical Implant Dentistry and Related Research*, **2016**, 18, 270-80	3.9	17
187	Is Synovial Macrophage Activation the Inflammatory Link Between Obesity and Osteoarthritis?. *Current Rheumatology Reports*, **2016**, 18, 57	4.9	22
186	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	27.9	22
185	Osteoimmunomodulation for the development of advanced bone biomaterials. *Materials Today*, **2016**, 19, 304-321	21.8	345
184	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	4.8	5
183	Friction and wear behaviour of steel with bionic non-smooth surfaces during sliding. *Materials Science and Technology*, **2016**, 32, 257-265	1.5	11

182	Systematic Identification, Characterization and Target Gene Analysis of microRNAs Involved in Osteoarthritis Subchondral Bone Pathogenesis. *Calcified Tissue International*, **2016**, 99, 43-55	3.9	37
181	Copper-doped mesoporous silica nanospheres, a promising immunomodulatory agent for inducing osteogenesis. *Acta Biomaterialia*, **2016**, 30, 334-344	10.8	150
180	Influence of Interleukin-1 Beta on Platelet-Poor Plasma Clot Formation: A Potential Impact on Early Bone Healing. *PLoS ONE*, **2016**, 11, e0149775	3.7	14
179	Multi-Elemental Profiling of Tibial and Maxillary Trabecular Bone in Ovariectomised Rats. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	1
178	Characterization of nano-structural and nano-mechanical properties of osteoarthritic subchondral bone. *BMC Musculoskeletal Disorders*, **2016**, 17, 367	2.8	24
177	The effects of implant topography on osseointegration under estrogen deficiency induced osteoporotic conditions: Histomorphometric, transcriptional and ultrastructural analysis. *Acta Biomaterialia*, **2016**, 42, 351-363	10.8	39
176	Chondromodulin-1 ameliorates osteoarthritis progression by inhibiting HIF-2□activity. *Osteoarthritis and Cartilage*, **2016**, 24, 1970-1980	6.2	14
175	Blood clot formed on rough titanium surface induces early cell recruitment. *Clinical Oral Implants Research*, **2016**, 27, 1031-8	4.8	28
174	The impact of Wnt signalling and hypoxia on osteogenic and cementogenic differentiation in human periodontal ligament cells. *Molecular Medicine Reports*, **2016**, 14, 4975-4982	2.9	15
173	Alteration of blood clot structures by interleukin-1 beta in association with bone defects healing. *Scientific Reports*, **2016**, 6, 35645	4.9	23
172	Inhibition of vascular endothelial growth factor with shRNA in chondrocytes ameliorates osteoarthritis. *Journal of Molecular Medicine*, **2016**, 94, 787-98	5.5	16
171	Proinflammatory Cytokines Regulate Cementogenic Differentiation of Periodontal Ligament Cells by Wnt/Ca(2+) Signaling Pathway. *Journal of Interferon and Cytokine Research*, **2016**, 36, 328-37	3.5	8
170	Europium-Containing Mesoporous Bioactive Glass Scaffolds for Stimulating in Vitro and in Vivo Osteogenesis. *ACS Applied Materials & Interfaces*, **2016**, 8, 11342-54	9.5	53
169	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	7.3	6
168	Estrogen Deficiency-Associated Bone Loss in the Maxilla: A Methodology to Quantify the Changes in the Maxillary Intra-radicular Alveolar Bone in an Ovariectomized Rat Osteoporosis Model. *Tissue Engineering - Part C: Methods*, **2015**, 21, 458-66	2.9	21
167	iNOS expression and osteocyte apoptosis in idiopathic, non-traumatic osteonecrosis. *Monthly Notices of the Royal Astronomical Society: Letters*, **2015**, 86, 134-41	4.3	15
166	Comprehensive Contribution of Filament Thickness and Crosslinker Failure to the Rheological Property of F-actin Cytoskeleton. *Cellular and Molecular Bioengineering*, **2015**, 8, 278-284	3.9	1
165	Stimulation of osteogenesis and angiogenesis of hBMSCs by delivering Si ions and functional drug from mesoporous silica nanospheres. *Acta Biomaterialia*, **2015**, 21, 178-89	10.8	128

164	The effect of osteoimmunomodulation on the osteogenic effects of cobalt incorporated tricalcium phosphate. *Biomaterials*, **2015**, 61, 126-38	15.6	132
163	Graphene-oxide-modified tricalcium phosphate bioceramics stimulate in vitro and in vivo osteogenesis. *Carbon*, **2015**, 93, 116-129	10.4	101
162	Different correlation of sphingosine-1-phosphate receptor 1 with receptor activator of nuclear factor kappa B ligand and regulatory T cells in rat periapical lesions. *Journal of Endodontics*, **2015**, 41, 479-86	4.7	11
161	Gamma tocotrienol targets tyrosine phosphatase SHP2 in mammospheres resulting in cell death through RAS/ERK pathway. *BMC Cancer*, **2015**, 15, 609	4.8	14
160	Clinoenstatite coatings have high bonding strength, bioactive ion release, and osteoimmunomodulatory effects that enhance in vivo osseointegration. *Biomaterials*, **2015**, 71, 35-47	15.6	73
159	Biophysical response of living cells to boron nitride nanoparticles: uptake mechanism and bio-mechanical characterization. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	23
158	Chemical compositions and antiproliferation activities of the chloroform fraction from Pyropolyporus fomentarius in K562 cells. *Human and Experimental Toxicology*, **2015**, 34, 732-43	3.4	3
157	FGF-2 induces the proliferation of human periodontal ligament cells and modulates their osteoblastic phenotype by affecting Runx2 expression in the presence and absence of osteogenic inducers. *International Journal of Molecular Medicine*, **2015**, 36, 705-11	4.4	20
156	Implantation of osteogenic differentiated donor mesenchymal stem cells causes recruitment of host cells. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, 118-26	4.4	21
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