

Yinghong Zhou

List of Publications by Year in descending order

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92
papers

5,384
citations

172457

29
h-index

88630

70
g-index

93
all docs

93
docs citations

93
times ranked

7222
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overclock 10 Tf 50,742 1,430	9.1	10
2	Copper-containing mesoporous bioactive glass scaffolds with multifunctional properties of angiogenesis capacity, osteostimulation and antibacterial activity. <i>Biomaterials</i> , 2013, 34, 422-433.	11.4	679
3	Hypoxia-mimicking mesoporous bioactive glass scaffolds with controllable cobalt ion release for bone tissue engineering. <i>Biomaterials</i> , 2012, 33, 2076-2085.	11.4	393
4	Strontium-containing mesoporous bioactive glass scaffolds with improved osteogenic/cementogenic differentiation of periodontal ligament cells for periodontal tissue engineering. <i>Acta Biomaterialia</i> , 2012, 8, 3805-3815.	8.3	187
5	3D-printing of highly uniform CaSiO ₃ ceramic scaffolds: preparation, characterization and in vivo osteogenesis. <i>Journal of Materials Chemistry</i> , 2012, 22, 12288.	6.7	182
6	Stimulation of osteogenesis and angiogenesis of hBMSCs by delivering Si ions and functional drug from mesoporous silica nanospheres. <i>Acta Biomaterialia</i> , 2015, 21, 178-189.	8.3	173
7	A comparative study of mesoporous glass/silk and non-mesoporous glass/silk scaffolds: Physiochemistry and in vivo osteogenesis. <i>Acta Biomaterialia</i> , 2011, 7, 2229-2236.	8.3	127
8	Exosome-integrated titanium oxide nanotubes for targeted bone regeneration. <i>Acta Biomaterialia</i> , 2019, 86, 480-492.	8.3	127
9	The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. <i>Tissue Engineering - Part A</i> , 2018, 24, 584-594.	3.1	98
10	RANKL-induced M1 macrophages are involved in bone formation. <i>Bone Research</i> , 2017, 5, 17019.	11.4	97
11	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
12	Delivery of dimethylallyl glycine in mesoporous bioactive glass scaffolds to improve angiogenesis and osteogenesis of human bone marrow stromal cells. <i>Acta Biomaterialia</i> , 2013, 9, 9159-9168.	8.3	91
13	Combinatorial Effects of Arginine and Fluoride on Oral Bacteria. <i>Journal of Dental Research</i> , 2015, 94, 344-353.	5.2	89
14	The stimulation of proliferation and differentiation of periodontal ligament cells by the ionic products from Ca ₇ Si ₂ P ₂ O ₁₆ bioceramics. <i>Acta Biomaterialia</i> , 2012, 8, 2307-2316.	8.3	85
15	<p>Engineering of Aerogel-Based Biomaterials for Biomedical Applications</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2363-2378.	6.7	72
16	Accelerated host angiogenesis and immune responses by ion release from mesoporous bioactive glass. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3274-3284.	5.8	56
17	Efficacy evaluation of clonazepam for symptom remission in burning mouth syndrome: a meta-analysis. <i>Oral Diseases</i> , 2016, 22, 503-511.	3.0	52
18	Root caries patterns and risk factors of middle-aged and elderly people in China. <i>Community Dentistry and Oral Epidemiology</i> , 2009, 37, 260-266.	1.9	50

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19	The Effect of Hypoxia on the Stemness and Differentiation Capacity of PDLC and DPC. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	48
20	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
21	<i>In Vitro</i> and <i>In Vivo</i> Evaluation of Adenovirus Combined Silk Fibroin Scaffolds for Bone Morphogenetic Protein-7 Gene Delivery. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 789-797.	2.1	46
22	SPHK1-S1PR1-RANKL Axis Regulates the Interactions Between Macrophages and BMSCs in Inflammatory Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1090-1104.	2.8	46
23	Strategies to direct vascularisation using mesoporous bioactive glass-based biomaterials for bone regeneration. <i>International Materials Reviews</i> , 2017, 62, 392-414.	19.3	44
24	Osteocyte-induced angiogenesis via VEGF- α MAPK-dependent pathways in endothelial cells. <i>Molecular and Cellular Biochemistry</i> , 2014, 386, 15-25.	3.1	38
25	Blood clot formed on rough titanium surface induces early cell recruitment. <i>Clinical Oral Implants Research</i> , 2016, 27, 1031-1038.	4.5	38
26	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
27	CaSiO ₃ microstructure modulating the <i>in vitro</i> and <i>in vivo</i> bioactivity of poly(lactide-co-glycolide) microspheres. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 122-131.	4.0	37
28	Nagelschmidite bioceramics with osteostimulation properties: material chemistry activating osteogenic genes and WNT signalling pathway of human bone marrow stromal cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 876.	5.8	37
29	S1P-S1PR1 Signaling: the α Sphinx α in Osteoimmunology. <i>Frontiers in Immunology</i> , 2019, 10, 1409.	4.8	35
30	The ionic products from bredigite bioceramics induced cementogenic differentiation of periodontal ligament cells via activation of the Wnt/ β -catenin signalling pathway. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3380.	5.8	29
31	Real-time immuno-PCR for ultrasensitive detection of pyrene and other homologous PAHs. <i>Biosensors and Bioelectronics</i> , 2015, 70, 42-47.	10.1	29
32	Bivalent Histone Codes on WNT5A during Odontogenic Differentiation. <i>Journal of Dental Research</i> , 2018, 97, 99-107.	5.2	29
33	Current Application of Beta-Tricalcium Phosphate in Bone Repair and Its Mechanism to Regulate Osteogenesis. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	29
34	Biophysical response of living cells to boron nitride nanoparticles: uptake mechanism and bio-mechanical characterization. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	28
35	Magnetic bead and gold nanoparticle probes based immunoassay for β -casein detection in bovine milk samples. <i>Biosensors and Bioelectronics</i> , 2015, 66, 559-564.	10.1	27
36	Mesenchymal stromal cells regulate the cell mobility and the immune response during osteogenesis through secretion of vascular endothelial growth factor A. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e566-e578.	2.7	27

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37	A rapid immunomagnetic beads-based immunoassay for the detection of β^2 -casein in bovine milk. <i>Food Chemistry</i> , 2014, 158, 445-448.	8.2	26
38	Implantation of osteogenic differentiated donor mesenchymal stem cells causes recruitment of host cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 118-126.	2.7	26
39	Microwave-assisted solid phase synthesis, PEGylation, and biological activity studies of glucagon-like peptide-1(7-36) amide. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7607-7614.	3.0	24
40	Efficacy comparison of the novel water-soluble propofol prodrug HX0969w and fospropofol in mice and rats. <i>British Journal of Anaesthesia</i> , 2013, 111, 825-832.	3.4	24
41	Silicate-based bioceramics for periodontal regeneration. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3907-3910.	5.8	24
42	Structural Characterization and Efficient Implementation Techniques for π -Stable High-Order Integration Methods. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2012, 31, 101-108.	2.7	23
43	The regulatory roles of Notch in osteocyte differentiation via the crosstalk with canonical Wnt pathways during the transition of osteoblasts to osteocytes. <i>Bone</i> , 2018, 108, 165-178.	2.9	23
44	Stimulation of osteogenic and angiogenic ability of cells on polymers by pulsed laser deposition of uniform akermanite-glass nanolayer. <i>Acta Biomaterialia</i> , 2014, 10, 3295-3306.	8.3	22
45	Enzyme-antibody dual labeled gold nanoparticles probe for ultrasensitive detection of β^2 -casein in bovine milk samples. <i>Biosensors and Bioelectronics</i> , 2014, 61, 241-244.	10.1	22
46	The impact of Wnt signalling and hypoxia on osteogenic and cementogenic differentiation in human periodontal ligament cells. <i>Molecular Medicine Reports</i> , 2016, 14, 4975-4982.	2.4	22
47	GPR39 Overexpression in OSCC Promotes YAP-Sustained Malignant Progression. <i>Journal of Dental Research</i> , 2020, 99, 949-958.	5.2	22
48	The Bidirectional Interactions Between Inflammation and Coagulation in Fracture Hematoma. <i>Tissue Engineering - Part B: Reviews</i> , 2019, 25, 46-54.	4.8	21
49	An enzyme-linked immunosorbent assay for detection of pyrene and related polycyclic aromatic hydrocarbons. <i>Analytical Biochemistry</i> , 2015, 473, 1-6.	2.4	20
50	Notch expressed by osteocytes plays a critical role in mineralisation. <i>Journal of Molecular Medicine</i> , 2018, 96, 333-347.	3.9	20
51	Aberrant activation of Wnt signaling pathway altered osteocyte mineralization. <i>Bone</i> , 2019, 127, 324-333.	2.9	20
52	Role of dentin matrix protein 1 in cartilage redifferentiation and osteoarthritis. <i>Rheumatology</i> , 2014, 53, 2280-2287.	1.9	18
53	Development of plant-based diets and the evaluation of dietary attractants for juvenile Florida pompano, <i>Trachinotus carolinus</i> L. <i>Aquaculture Nutrition</i> , 2017, 23, 1065-1075.	2.7	18
54	Gold nanoparticle aggregation-based colorimetric assay for β^2 -casein detection in bovine milk samples. <i>Food Chemistry</i> , 2014, 162, 22-26.	8.2	17

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55	Porous Ca-Si-based nanospheres: A potential intra-canal disinfectant-carrier for infected canal treatment. <i>Materials Letters</i> , 2012, 81, 16-19.	2.6	15
56	Preparation and Characterization of Magnetic Mesoporous Bioactive Glass/Carbon Composite Scaffolds. <i>Journal of Chemistry</i> , 2013, 2013, 1-11.	1.9	15
57	<i>O</i> PROMOTES OSCC METASTASIS VIA THE NF- κ B-TNF α LOOP. <i>Journal of Dental Research</i> , 2021, 100, 002203452199633.	5.2	15
58	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
59	Double-antibody based immunoassay for the detection of β -casein in bovine milk samples. <i>Food Chemistry</i> , 2013, 141, 167-173.	8.2	13
60	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
61	Synovial macrophages in cartilage destruction and regeneration – lessons learnt from osteoarthritis and synovial chondromatosis. <i>Biomedical Materials (Bristol)</i> , 2021, 17, .	3.3	13
62	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
63	Production of a monoclonal antibody and development of an immunoassay for detection of Cr(III) in water samples. <i>Chemosphere</i> , 2013, 93, 2467-2472.	8.2	11
64	An improved RT-PCR for detection of pyrene and related polycyclic aromatic hydrocarbons. <i>Biosensors and Bioelectronics</i> , 2016, 78, 194-199.	10.1	11
65	Modelling of focused ion beam induced increases in sample temperature: a case study of heat damage in biological samples. <i>Journal of Microscopy</i> , 2018, 272, 47-59.	1.8	11
66	LiCl-induced immunomodulatory periodontal regeneration via the activation of the Wnt/ β -catenin signaling pathway. <i>Journal of Periodontal Research</i> , 2022, 57, 835-848.	2.7	11
67	Bisphenol A Exposure Disrupts Enamel Formation via EZH2-Mediated H3K27me3. <i>Journal of Dental Research</i> , 2021, 100, 002203452199579.	5.2	10
68	Oral health related quality of life among older adults in Central China. <i>Community Dental Health</i> , 2012, 29, 219-23.	0.2	10
69	Carbon Nanomaterials Modified Biomimetic Dental Implants for Diabetic Patients. <i>Nanomaterials</i> , 2021, 11, 2977.	4.1	9
70	Untargeted and targeted gingival metabolome in rodents reveal metabolic links between high-fat diet-induced obesity and periodontitis. <i>Journal of Clinical Periodontology</i> , 2021, 48, 1137-1148.	4.9	8
71	Modulation of matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 in RAW264.7 cells by irradiation. <i>Molecular Medicine Reports</i> , 2010, 3, 809-13.	2.4	7
72	The identification of critical time windows of postnatal root elongation in response to Wnt/ β -catenin signaling. <i>Oral Diseases</i> , 2022, 28, 442-451.	3.0	7

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73	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
74	<i>Lif</i> Deficiency Leads to Iron Transportation Dysfunction in Ameloblasts. <i>Journal of Dental Research</i> , 2022, 101, 63-72.	5.2	6
75	Reduction of mechanical loading in tendons induces heterotopic ossification and activation of the β -catenin signaling pathway. <i>Journal of Orthopaedic Translation</i> , 2021, 29, 42-50.	3.9	6
76	Stability and Bioactivity Studies on Dipeptidyl Peptidase IV Resistant Glucogan-like Peptide-1 Analogues. <i>Protein and Peptide Letters</i> , 2012, 19, 203-211.	0.9	5
77	Estimation of true driving pressure during airway pressure release ventilation. <i>Intensive Care Medicine</i> , 2018, 44, 1364-1365.	8.2	5
78	Matrix protein of vesicular stomatitis virus: a potent inhibitor of vascular endothelial growth factor and malignant ascites formation. <i>Cancer Gene Therapy</i> , 2013, 20, 178-185.	4.6	4
79	Low-Dose Azithromycin Attenuates OVA-Induced Airway Remodeling and Inflammation via Down-Regulating TGF- β 1 Expression in RAT. <i>European Journal of Inflammation</i> , 2013, 11, 133-143.	0.5	4
80	Bifunctional bioceramics stimulating osteogenic differentiation of a gingival fibroblast and inhibiting plaque biofilm formation. <i>Biomaterials Science</i> , 2016, 4, 639-651.	5.4	4
81	Special Collection: Cell-Based Therapy for Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2016, 22, 1127-1128.	3.1	3
82	FIB/SEM Processing of Biological Samples. <i>Microscopy and Microanalysis</i> , 2018, 24, 822-823.	0.4	3
83	Mesenchymal Stem Cells and Nano-structured Surfaces. <i>Methods in Molecular Biology</i> , 2013, 1058, 133-148.	0.9	2
84	Interaction Between Mesenchymal Stem Cells and Immune Cells in Tissue Engineering. , 2019, , 249-256.		2
85	In vitro and in vivo evaluation of adenovirus combined silk fibroin scaffolds for BMP-7 gene delivery. <i>Tissue Engineering - Part C: Methods</i> , 0, , 110318075825099.	2.1	2
86	Multi-Elemental Profiling of Tibial and Maxillary Trabecular Bone in Ovariectomised Rats. <i>International Journal of Molecular Sciences</i> , 2016, 17, 977.	4.1	1
87	PS-191...Toll Like Receptor-4 Signalling Mediated Apoptosis In Necrotizing Enterocolitis Via Caspases Activation. <i>Archives of Disease in Childhood</i> , 2014, 99, A180.2-A181.	1.9	0
88	Utilisation of Bovine Bone Pellet as a Matrix-Matched Reference Material for Calcified Tissues in LA-ICP-MS Application. <i>Journal of Analytical & Bioanalytical Techniques</i> , 2015, , .	0.6	0
89	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
90	Comment on: Systemic versus oral and systemic antibiotic prophylaxis (SOAP) study in colorectal surgery: prospective randomized multicentre trial. <i>British Journal of Surgery</i> , 2021, 108, e413.	0.3	0

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91	Identification of Human Body Dynamics from a Human-Structure System: An Experimental Study. Experimental Techniques, 0, , 1.	1.5	0
92	<i>Call for Papers:</i> Biomaterials and Cell Strategies for Regenerative Dentistry. Tissue Engineering - Part C: Methods, 2022, 28, 285-286.	2.1	0