Yinghong Zhou

List of Publications by Year in descending order

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	The identification of critical time windows of postnatal root elongation in response to Wnt/Î²â€catenin signaling. Oral Diseases, 2022, 28, 442-451.	3.0	7
2	Lif Deficiency Leads to Iron Transportation Dysfunction in Ameloblasts. Journal of Dental Research, 2022, 101, 63-72.	5.2	6
3	<scp>LiCl</scp>â€induced immunomodulatory periodontal regeneration via the activation of the Wnt/Î²â€catenin signaling pathway. Journal of Periodontal Research, 2022, 57, 835-848.	2.7	11
4	Call for Papers: Biomaterials and Cell Strategies for Regenerative Dentistry. Tissue Engineering - Part C: Methods, 2022, 28, 285-286.	2.1	0
5	ORAOV1-B Promotes OSCC Metastasis via the NF-Î²B-TNFÎ± Loop. Journal of Dental Research, 2021, 100, 002203452199633.	5.2	15
6	Bisphenol A Exposure Disrupts Enamel Formation via EZH2-Mediated H3K27me3. Journal of Dental Research, 2021, 100, 002203452199579.	5.2	10
7	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.	5.5	12
8	Untargeted and targeted gingival metabolome in rodents reveal metabolic links between highâ€fat dietâ€induced obesity and periodontitis. Journal of Clinical Periodontology, 2021, 48, 1137-1148.	4.9	8
9	Current Application of Beta-Tricalcium Phosphate in Bone Repair and Its Mechanism to Regulate Osteogenesis. Frontiers in Materials, 2021, 8, .	2.4	29
10	Reduction of mechanical loading in tendons induces heterotopic ossification and activation of the Î²-catenin signaling pathway. Journal of Orthopaedic Translation, 2021, 29, 42-50.	3.9	6
11	Modulatory Role of Silver Nanoparticles and Mesenchymal Stem Cellâ€“Derived Exosome-Modified Barrier Membrane on Macrophages and Osteogenesis. Frontiers in Chemistry, 2021, 9, 699802.	3.6	13
12	Comment on: Systemic versus oral and systemic antibiotic prophylaxis (SOAP) study in colorectal surgery: prospective randomized multicentre trial. British Journal of Surgery, 2021, 108, e413.	0.3	0
13	Multifunctional Caâ€“Znâ€“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.	5.8	14
14	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (edition	9.1	1,430
15	Carbon Nanomaterials Modified Biomimetic Dental Implants for Diabetic Patients. Nanomaterials, 2021, 11, 2977.	4.1	9
16	Synovial macrophages in cartilage destruction and regeneration â€“ lessons learnt from osteoarthritis and synovial chondromatosis. Biomedical Materials (Bristol), 2021, 17, .	3.3	13
17	Synergistic regulation of osteoimmune microenvironment by IL-4 and RGD to accelerate osteogenesis. Materials Science and Engineering C, 2020, 109, 110508.	7.3	38
18	Dihydrolipoic Acidâ€“Gold Nanoclusters Regulate Microglial Polarization and Have the Potential To Alter Neurogenesis. Nano Letters, 2020, 20, 478-495.	9.1	92

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19	GPR39 Overexpression in OSCC Promotes YAP-Sustained Malignant Progression. Journal of Dental Research, 2020, 99, 949-958.	5.2	22
20	Engineering of Aerogel-Based Biomaterials for Biomedical Applications . International Journal of Nanomedicine, 2020, Volume 15, 2363-2378.	6.7	72
21	The Development of Extracellular Vesicle-Integrated Biomaterials for Bone Regeneration. Advances in Experimental Medicine and Biology, 2020, 1250, 97-108.	1.6	7
22	The Bidirectional Interactions Between Inflammation and Coagulation in Fracture Hematoma. Tissue Engineering - Part B: Reviews, 2019, 25, 46-54.	4.8	21
23	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.	0.4	0
24	S1P-S1PR1 Signaling: the â€œSphinxâ€•in Osteoimmunology. Frontiers in Immunology, 2019, 10, 1409.	4.8	35
25	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.	2.7	48
26	Aberrant activation of Wnt signaling pathway altered osteocyte mineralization. Bone, 2019, 127, 324-333.	2.9	20
27	Exosome-integrated titanium oxide nanotubes for targeted bone regeneration. Acta Biomaterialia, 2019, 86, 480-492.	8.3	127
28	Interaction Between Mesenchymal Stem Cells and Immune Cells in Tissue Engineering. , 2019, , 249-256.		2
29	Notch expressed by osteocytes plays a critical role in mineralisation. Journal of Molecular Medicine, 2018, 96, 333-347.	3.9	20
30	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
31	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
32	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
33	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
34	The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. Tissue Engineering - Part A, 2018, 24, 584-594.	3.1	98
35	Bivalent Histone Codes on WNT5A during Odontogenic Differentiation. Journal of Dental Research, 2018, 97, 99-107.	5.2	29
36	FIB/SEM Processing of Biological Samples. Microscopy and Microanalysis, 2018, 24, 822-823.	0.4	3

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37	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
38	Estimation of true driving pressure during airway pressure release ventilation. Intensive Care Medicine, 2018, 44, 1364-1365.	8.2	5
39	Strategies to direct vascularisation using mesoporous bioactive glass-based biomaterials for bone regeneration. International Materials Reviews, 2017, 62, 392-414.	19.3	44
40	Development of plant-based diets and the evaluation of dietary attractants for juvenile Florida pompano, Trachinotus carolinus L.. Aquaculture Nutrition, 2017, 23, 1065-1075.	2.7	18
41	RANKL-induced M1 macrophages are involved in bone formation. Bone Research, 2017, 5, 17019.	11.4	97
42	Multi-Elemental Profiling of Tibial and Maxillary Trabecular Bone in Ovariectomised Rats. International Journal of Molecular Sciences, 2016, 17, 977.	4.1	1
43	Special Collection: Cell-Based Therapy for Bone Regeneration. Tissue Engineering - Part A, 2016, 22, 1127-1128.	3.1	3
44	Efficacy evaluation of clonazepam for symptom remission in burning mouth syndrome: a metaâ€analysis. Oral Diseases, 2016, 22, 503-511.	3.0	52
45	Blood clot formed on rough titanium surface induces early cell recruitment. Clinical Oral Implants Research, 2016, 27, 1031-1038.	4.5	38
46	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
47	Bifunctional bioceramics stimulating osteogenic differentiation of a gingival fibroblast and inhibiting plaque biofilm formation. Biomaterials Science, 2016, 4, 639-651.	5.4	4
48	An improved RT-IPCR for detection of pyrene and related polycyclic aromatic hydrocarbons. Biosensors and Bioelectronics, 2016, 78, 194-199.	10.1	11
49	Implantation of osteogenic differentiated donor mesenchymal stem cells causes recruitment of host cells. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 118-126.	2.7	26
50	Utilisation of Bovine Bone Pellet as a Matrix-Matched Reference Material for Calcified Tissues in LA-ICP-MS Application. Journal of Analytical & Bioanalytical Techniques, 2015, , .	0.6	0
51	Combinatorial Effects of Arginine and Fluoride on Oral Bacteria. Journal of Dental Research, 2015, 94, 344-353.	5.2	89
52	Real-time immuno-PCR for ultrasensitive detection of pyrene and other homologous PAHs. Biosensors and Bioelectronics, 2015, 70, 42-47.	10.1	29
53	Stimulation of osteogenesis and angiogenesis of hBMSCs by delivering Si ions and functional drug from mesoporous silica nanospheres. Acta Biomaterialia, 2015, 21, 178-189.	8.3	173
54	Biophysical response of living cells to boron nitride nanoparticles: uptake mechanism and bio-mechanical characterization. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	28

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55	An enzyme-linked immunosorbent assay for detection of pyrene and related polycyclic aromatic hydrocarbons. Analytical Biochemistry, 2015, 473, 1-6.	2.4	20
56	Magnetic bead and gold nanoparticle probes based immunoassay for Î²-casein detection in bovine milk samples. Biosensors and Bioelectronics, 2015, 66, 559-564.	10.1	27
57	Role of dentin matrix protein 1 in cartilage redifferentiation and osteoarthritis. Rheumatology, 2014, 53, 2280-2287.	1.9	18
58	The Effect of Hypoxia on the Stemness and Differentiation Capacity of PDLC and DPC. BioMed Research International, 2014, 2014, 1-7.	1.9	48
59	Stimulation of osteogenic and angiogenic ability of cells on polymers by pulsed laser deposition of uniform akermanite-glass nanolayer. Acta Biomaterialia, 2014, 10, 3295-3306.	8.3	22
60	Osteocyte-induced angiogenesis via VEGFâ€“MAPK-dependent pathways in endothelial cells. Molecular and Cellular Biochemistry, 2014, 386, 15-25.	3.1	38
61	A rapid immunomagnetic beads-based immunoassay for the detection of Î²-casein in bovine milk. Food Chemistry, 2014, 158, 445-448.	8.2	26
62	Silicate-based bioceramics for periodontal regeneration. Journal of Materials Chemistry B, 2014, 2, 3907-3910.	5.8	24
63	Gold nanoparticle aggregation-based colorimetric assay for Î²-casein detection in bovine milk samples. Food Chemistry, 2014, 162, 22-26.	8.2	17
64	Enzymeâ€“antibody dual labeled gold nanoparticles probe for ultrasensitive detection of Î²-casein in bovine milk samples. Biosensors and Bioelectronics, 2014, 61, 241-244.	10.1	22
65	PS-191â€…Toll Like Recptor-4 Signalling Mediated Apoptosis In Necrotizing Enterocolitis Via Caspases Activation. Archives of Disease in Childhood, 2014, 99, A180.2-A181.	1.9	0
66	Double-antibody based immunoassay for the detection of Î²-casein in bovine milk samples. Food Chemistry, 2013, 141, 167-173.	8.2	13
67	Efficacy comparison of the novel water-soluble propofol prodrug HX0969w and fospropofol in mice and rats. British Journal of Anaesthesia, 2013, 111, 825-832.	3.4	24
68	Production of a monoclonal antibody and development of an immunoassay for detection of Cr(III) in water samples. Chemosphere, 2013, 93, 2467-2472.	8.2	11
69	Delivery of dimethyloxallyl glycine in mesoporous bioactive glass scaffolds to improve angiogenesis and osteogenesis of human bone marrow stromal cells. Acta Biomaterialia, 2013, 9, 9159-9168.	8.3	91
70	Nagelschmidtite bioceramics with osteostimulation properties: material chemistry activating osteogenic genes and WNT signalling pathway of human bone marrow stromal cells. Journal of Materials Chemistry B, 2013, 1, 876.	5.8	37
71	The ionic products from bredigite bioceramics induced cementogenic differentiation of periodontal ligament cells via activation of the Wnt/Î²-catenin signalling pathway. Journal of Materials Chemistry B, 2013, 1, 3380.	5.8	29
72	Matrix protein of vesicular stomatitis virus: a potent inhibitor of vascular endothelial growth factor and malignant ascites formation. Cancer Gene Therapy, 2013, 20, 178-185.	4.6	4

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73	Copper-containing mesoporous bioactive glass scaffolds with multifunctional properties of angiogenesis capacity, osteostimulation and antibacterial activity. Biomaterials, 2013, 34, 422-433.	11.4	679
74	Mesenchymal Stem Cells and Nano-structured Surfaces. Methods in Molecular Biology, 2013, 1058, 133-148.	0.9	2
75	Preparation and Characterization of Magnetic Mesoporous Bioactive Glass/Carbon Composite Scaffolds. Journal of Chemistry, 2013, 2013, 1-11.	1.9	15
76	Low-Dose Azithromycin Attenuates OVA-Induced Airway Remodeling and Inflammation via Down-Regulating TGF-Î²1 Expression in RAT. European Journal of Inflammation, 2013, 11, 133-143.	0.5	4
77	Stability and Bioactivity Studies on Dipeptidyl Peptidase IV Resistant Glucogan-like Peptide-1 Analogues. Protein and Peptide Letters, 2012, 19, 203-211.	0.9	5
78	3D-printing of highly uniform CaSiO3 ceramic scaffolds: preparation, characterization and in vivo osteogenesis. Journal of Materials Chemistry, 2012, 22, 12288.	6.7	182
79	Strontium-containing mesoporous bioactive glass scaffolds with improved osteogenic/cementogenic differentiation of periodontal ligament cells for periodontal tissue engineering. Acta Biomaterialia, 2012, 8, 3805-3815.	8.3	187
80	The stimulation of proliferation and differentiation of periodontal ligament cells by the ionic products from Ca7Si2P2O16 bioceramics. Acta Biomaterialia, 2012, 8, 2307-2316.	8.3	85
81	Hypoxia-mimicking mesoporous bioactive glass scaffolds with controllable cobalt ion release for bone tissue engineering. Biomaterials, 2012, 33, 2076-2085.	11.4	393
82	Porous Caâ€“Si-based nanospheres: A potential intra-canal disinfectant-carrier for infected canal treatment. Materials Letters, 2012, 81, 16-19.	2.6	15
83	Structural Characterization and Efficient Implementation Techniques for A-Stable High-Order Integration Methods. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2012, 31, 101-108.	2.7	23
84	Oral health related quality of life among older adults in Central China. Community Dental Health, 2012, 29, 219-23.	0.2	10
85	In VitroandIn VivoEvaluation of Adenovirus Combined Silk Fibroin Scaffolds for Bone Morphogenetic Protein-7 Gene Delivery. Tissue Engineering - Part C: Methods, 2011, 17, 789-797.	2.1	46
86	CaSiO₃ microstructure modulating the in vitro and in vivo bioactivity of poly(lactideâ€coâ€glycolide) microspheres. Journal of Biomedical Materials Research - Part A, 2011, 98A, 122-131.	4.0	37
87	A comparative study of mesoporous glass/silk and non-mesoporous glass/silk scaffolds: Physiochemistry and in vivo osteogenesis. Acta Biomaterialia, 2011, 7, 2229-2236.	8.3	127
88	Modulation of matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 in RAW264.7 cells by irradiation. Molecular Medicine Reports, 2010, 3, 809-13.	2.4	7
89	Root caries patterns and risk factors of middleâ€aged and elderly people in China. Community Dentistry and Oral Epidemiology, 2009, 37, 260-266.	1.9	50
90	Microwave-assisted solid phase synthesis, PEGylation, and biological activity studies of glucagon-like peptide-1(7â€“36) amide. Bioorganic and Medicinal Chemistry, 2008, 16, 7607-7614.	3.0	24

#	ARTICLE	IF	CITATIONS
91	In vitro and in vivo evaluation of adenovirus combined silk fibroin scaffolds for BMP-7 gene delivery. Tissue Engineering - Part C: Methods, 0, , 110318075825099.	2.1	2
92	Identification of Human Body Dynamics from a Human-Structure System: An Experimental Study. Experimental Techniques, 0, , 1.	1.5	0