

Wenchuan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,005
citations

516710

16
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1600
citing authors

#	ARTICLE	IF	CITATIONS
1	A dual role of HIF1 α in regulating osteogenesis-angiogenesis coupling. <i>Stem Cell Research and Therapy</i> , 2022, 13, 59.	5.5	13
2	Screening and preliminary identification of long non-coding RNAs critical for osteogenic differentiation of human umbilical cord mesenchymal stem cells. <i>Bioengineered</i> , 2022, 13, 6880-6894.	3.2	4
3	A chair-side plasma treatment system for rapidly enhancing the surface hydrophilicity of titanium dental implants in clinical operations. <i>Journal of Oral Science</i> , 2021, 63, 334-340.	1.7	1
4	The biological width around implant. <i>Journal of Prosthodontic Research</i> , 2021, 65, 11-18.	2.8	23
5	Transcriptomic profiling and functional prediction reveal aberrant expression of circular RNAs during osteogenic differentiation in human umbilical cord mesenchymal stromal cells. <i>Scientific Reports</i> , 2021, 11, 19881.	3.3	8
6	Nonthermal Plasma Brush Treatment on Titanium and Zirconia To Improve Periabutment Epithelium Formation. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5039-5047.	5.2	0
7	Proposal and In-Depth Analysis of Emergency Treatment Procedures for Removing Fractured Abutments in Implants With Tapped-In Connections: Case Report. <i>Journal of Oral Implantology</i> , 2020, 46, 51-56.	1.0	2
8	Effects of non-thermal plasma treatment on the polysaccharide from <i>Dendrobium nobile</i> Lindl. And its immune activities in vitro. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 942-950.	7.5	26
9	Effects of novel non-thermal atmospheric plasma treatment of titanium on physical and biological improvements and in vivo osseointegration in rats. <i>Scientific Reports</i> , 2020, 10, 10637.	3.3	13
10	The Injectable Woven Bone-Like Hydrogel to Perform Alveolar Ridge Preservation With Adapted Remodeling Performance After Tooth Extraction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 119.	4.1	10
11	Angiogenic and osteogenic regeneration in rats via calcium phosphate scaffold and endothelial cell co-culture with human bone marrow mesenchymal stem cells (MSCs), human umbilical cord MSCs, human induced pluripotent stem cell-derived MSCs and human embryo. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 191-203.	2.7	65
12	Non-thermal plasma reduces periodontitis-induced alveolar bone loss in rats. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2040-2046.	2.1	16
13	Different performances of CXCR4, integrin-1 β and CCR-2 in bone marrow stromal cells (BMSCs) migration by low-intensity pulsed ultrasound stimulation. <i>Biomedizinische Technik</i> , 2017, 62, 89-95.	0.8	18
14	Co-Seeding Human Endothelial Cells with Human-Induced Pluripotent Stem Cell-Derived Mesenchymal Stem Cells on Calcium Phosphate Scaffold Enhances Osteogenesis and Vascularization in Rats. <i>Tissue Engineering - Part A</i> , 2017, 23, 546-555.	3.1	71
15	Effect of Carboxymethyl Chitosan and Aging Time on Synthesis and Storage of Amorphous Calcium Phosphate. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12582-12589.	0.9	8
16	Effects of Low-Intensity Pulsed Ultrasound on Implant Osseointegration in Ovariectomized Rats. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 747-754.	1.7	20
17	Bone tissue engineering via human induced pluripotent, umbilical cord and bone marrow mesenchymal stem cells in rat cranium. <i>Acta Biomaterialia</i> , 2015, 18, 236-248.	8.3	116
18	Effect of NELL1 gene overexpression in iPSC-MSCs seeded on calcium phosphate cement. <i>Acta Biomaterialia</i> , 2014, 10, 5128-5138.	8.3	25

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19	Human embryonic stem cells and macroporous calcium phosphate construct for bone regeneration in cranial defects in rats. <i>Acta Biomaterialia</i> , 2014, 10, 4484-4493.	8.3	51
20	Prevascularization of biofunctional calcium phosphate cement for dental and craniofacial repairs. <i>Dental Materials</i> , 2014, 30, 535-544.	3.5	51
21	Human Embryonic Stem Cell-Derived Mesenchymal Stem Cell Seeding on Calcium Phosphate Cement-Chitosan-RGD Scaffold for Bone Repair. <i>Tissue Engineering - Part A</i> , 2013, 19, 915-927.	3.1	67
22	Umbilical cord and bone marrow mesenchymal stem cell seeding on macroporous calcium phosphate for bone regeneration in rat cranial defects. <i>Biomaterials</i> , 2013, 34, 9917-9925.	11.4	137
23	Induced Pluripotent Stem Cell-derived Mesenchymal Stem Cell Seeding on Biofunctionalized Calcium Phosphate Cements. <i>Bone Research</i> , 2013, 1, 371-384.	11.4	50
24	Gas-Foaming Calcium Phosphate Cement Scaffold Encapsulating Human Umbilical Cord Stem Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 816-827.	3.1	65
25	Low-intensity pulsed ultrasound regulates proliferation and differentiation of osteoblasts through osteocytes. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 296-300.	2.1	45
26	Umbilical cord stem cells released from alginate-fibrin microbeads inside macroporous and biofunctionalized calcium phosphate cement for bone regeneration. <i>Acta Biomaterialia</i> , 2012, 8, 2297-2306.	8.3	74
27	Gene expression patterns of osteocyte-like MLO-2 cells in response to cyclic compressive force stimulation. <i>Cell Biology International</i> , 2010, 34, 425-432.	3.0	12
28	Ultrasound: A potential technique to improve osseointegration of dental implants. <i>Medical Hypotheses</i> , 2008, 71, 568-571.	1.5	14