

Huiming Wang

List of Publications by Year in descending order

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66
papers

1,144
citations

394421

19
h-index

501196

28
g-index

68
all docs

68
docs citations

68
times ranked

1877
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerated Osteogenesis of Heterogeneous Electric Potential Gradient on CFO/P(VDF-TrFE) Membranes. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
2	The osteogenic response to chirality-patterned surface potential distribution of CFO/P(VDF-TrFE) membranes. <i>Biomaterials Science</i> , 2022, 10, 4576-4587.	5.4	4
3	Tetrahedral framework nucleic acids-based delivery promotes intracellular transfer of healing peptides and accelerates diabetic wound healing. <i>Cell Proliferation</i> , 2022, 55, .	5.3	13
4	Early bone formation in mini-lateral window sinus floor elevation with simultaneous implant placement: An in vivo experimental study. <i>Clinical Oral Implants Research</i> , 2021, 32, 448-459.	4.5	7
5	Epigallocatechin gallate affects the proliferation of human alveolar osteoblasts and periodontal ligament cells, as well as promoting cell differentiation by regulating PI3K/Akt signaling pathway. <i>Odontology / the Society of the Nippon Dental University</i> , 2021, 109, 729-740.	1.9	3
6	Iroquois Homeobox 5 Negatively Regulated by miRNA-147 Promotes the Proliferation, Metastasis, and Invasion by Oral Squamous Cell Carcinoma. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1098-1108.	1.1	4
7	Cumulative inactivation of Nell-1 in Wnt1 expressing cell lineages results in craniofacial skeletal hypoplasia and postnatal hydrocephalus. <i>Cell Death and Differentiation</i> , 2020, 27, 1415-1430.	11.2	8
8	KLF2+ stemness maintains human mesenchymal stem cells in bone regeneration. <i>Stem Cells</i> , 2020, 38, 395-409.	3.2	15
9	Enhancing osteogenic differentiation of BMSCs on high magnetoelectric response films. <i>Materials Science and Engineering C</i> , 2020, 113, 110970.	7.3	24
10	Inhibition of osteogenic and adipogenic potential in bone marrow-derived mesenchymal stem cells under osteoporosis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 902-908.	2.1	13
11	Exosomes derived from preadipocytes improve osteogenic differentiation, potentially via reduced miR-223 expression. <i>Molecular Medicine Reports</i> , 2019, 19, 951-958.	2.4	17
12	Theaflavin-3,3-Digallate Suppresses Biofilm Formation, Acid Production, and Acid Tolerance in <i>Streptococcus mutans</i> by Targeting Virulence Factors. <i>Frontiers in Microbiology</i> , 2019, 10, 1705.	3.5	14
13	Controlled Release of Naringin in GelMA-Incorporated Rutile Nanorod Films to Regulate Osteogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Omega</i> , 2019, 4, 19350-19357.	3.5	23
14	Chiral geometry regulates stem cell fate and activity. <i>Biomaterials</i> , 2019, 222, 119456.	11.4	26
15	Enhanced osteogenesis of quasi-three-dimensional hierarchical topography. <i>Journal of Nanobiotechnology</i> , 2019, 17, 102.	9.1	12
16	The osteoinductive effect of nano-nacre particles on MC-3T3 E1 preosteoblast through controlled release of water soluble matrix and calcium ions. <i>Dental Materials Journal</i> , 2019, 38, 981-986.	1.8	4
17	Surface Modification by Divalent Main-Group-Elemental Ions for Improved Bone Remodeling To Instruct Implant Biofabrication. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3311-3324.	5.2	15
18	Positive modulation of osteogenesis on a titanium oxide surface incorporating strontium oxide: An in vitro and in vivo study. <i>Materials Science and Engineering C</i> , 2019, 99, 710-718.	7.3	13

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19	Quantitative assessment of symmetry recovery in navigation-assisted surgical reduction of zygomaticomaxillary complex fractures. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 311-319.	1.7	22
20	Using an Engineered Galvanic Redox System to Generate Positive Surface Potentials that Promote Osteogenic Functions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15449-15460.	8.0	14
21	Mechanical stretch-induced osteogenic differentiation of human jaw bone marrow mesenchymal stem cells (hJBMMSCs) via inhibition of the NF- κ B pathway. <i>Cell Death and Disease</i> , 2018, 9, 207.	6.3	31
22	Bone marrow mesenchymal stem cells promote head and neck cancer progression through Periostin-mediated phosphoinositide 3-kinase/Akt/mammalian target of rapamycin. <i>Cancer Science</i> , 2018, 109, 688-698.	3.9	51
23	Substrate-mediated gene transduction of LAMA3 for promoting biological sealing between titanium surface and gingival epithelium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 314-323.	5.0	22
24	Clinician, dental student, and orthognathic patient perception of black-and-white silhouette lateral profile dimensions of ideal chin position in a Chinese population. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 125, e1-e7.	0.4	6
25	β -Estradiol antagonizes the inhibitory effects of caffeine in BMMSCs via the ER β -mediated cAMP-dependent PKA pathway. <i>Toxicology</i> , 2018, 394, 1-10.	4.2	5
26	Long noncoding RNA LINC01133 inhibits oral squamous cell carcinoma metastasis through a feedback regulation loop with GDF15. <i>Journal of Surgical Oncology</i> , 2018, 118, 1326-1334.	1.7	29
27	Optimized beagle model for maxillary sinus floor augmentation via a mini-lateral window with simultaneous implant placement. <i>Journal of International Medical Research</i> , 2018, 46, 4684-4692.	1.0	9
28	Sustained Release of Antimicrobial Peptide from Self-Assembling Hydrogel Enhanced Osteogenesis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 1812-1824.	3.5	41
29	Enhanced cellular osteogenic differentiation on Zn-containing bioglass incorporated TiO ₂ nanorod films. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 136.	3.6	3
30	Enhanced Osteointegration of Hierarchical Structured 3D-Printed Titanium Implants. <i>ACS Applied Bio Materials</i> , 2018, 1, 90-99.	4.6	13
31	Improved rhBMP-2 function on MBG incorporated TiO ₂ nanorod films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 153-158.	5.0	14
32	Enhanced osteogenic differentiation of rat bone marrow mesenchymal stem cells on titanium substrates by inhibiting Notch3. <i>Archives of Oral Biology</i> , 2017, 80, 34-40.	1.8	8
33	BMP-2 plasmid DNA-loaded chitosan films "A new strategy for bone engineering. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 2084-2091.	1.7	10
34	Light-Controlled BMSC Sheet-Implant Complexes with Improved Osteogenesis via an LRP5/ β -Catenin/Runx2 Regulatory Loop. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34674-34686.	8.0	36
35	Improved osseointegrating functionality of cell sheets on anatase TiO ₂ nanoparticle surfaces. <i>RSC Advances</i> , 2017, 7, 35845-35853.	3.6	8
36	Utilization of a pre-bent plate-positioning surgical guide system in precise mandibular reconstruction with a free fibula flap. <i>Oral Oncology</i> , 2017, 75, 133-139.	1.5	56

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37	Engineering prevascularized composite cell sheet by light-induced cell sheet technology. RSC Advances, 2017, 7, 32468-32477.	3.6	9
38	Notch1 signalling inhibits apoptosis of human dental follicle stem cells via both the cytoplasmic mitochondrial pathway and nuclear transcription regulation. International Journal of Biochemistry and Cell Biology, 2017, 82, 18-27.	2.8	18
39	PTH coatings on titanium surfaces improved osteogenic integration by increasing expression levels of BMP-2/Runx2/Osterix. RSC Advances, 2017, 7, 56256-56265.	3.6	12
40	IL-1/TNF- α Inflammatory and Anti-Inflammatory Synchronization Affects Gingival Stem/Progenitor Cells' Regenerative Attributes. Stem Cells International, 2017, 2017, 1-9.	2.5	35
41	Laminin-521 Promotes Rat Bone Marrow Mesenchymal Stem Cell Sheet Formation on Light-Induced Cell Sheet Technology. BioMed Research International, 2017, 2017, 1-11.	1.9	16
42	Light-Induced Cell Alignment and Harvest for Anisotropic Cell Sheet Technology. ACS Applied Materials & Interfaces, 2017, 9, 36513-36524.	8.0	43
43	Combination of simvastatin, calcium silicate/gypsum, and gelatin and bone regeneration in rabbit calvarial defects. Scientific Reports, 2016, 6, 23422.	3.3	16
44	Fabrication, characterization, and biological assessment of multilayer laminin β 2 DNA coatings on titanium surfaces. Scientific Reports, 2016, 6, 23423.	3.3	10
45	Enhanced Osteogenic Activity of TiO ₂ Nanorod Films with Microscaled Distribution of Zn-CaP. ACS Applied Materials & Interfaces, 2016, 8, 6944-6952.	8.0	26
46	Effects of RGD immobilization on light-induced cell sheet detachment from TiO ₂ nanodots films. Materials Science and Engineering C, 2016, 63, 240-246.	7.3	15
47	Electrochemical deposition of mineralized BSA/collagen coating. Materials Science and Engineering C, 2016, 66, 66-76.	7.3	10
48	Light-Induced Cell Sheet Harvest on TiO ₂ Films Sensitized with Carbon Quantum Dots. ChemPlusChem, 2016, 81, 1166-1173.	2.8	6
49	Mesenchymal stem cells in response to exposed rod-heights of TiO ₂ nanorod films. RSC Advances, 2016, 6, 67778-67784.	3.6	6
50	Light-Induced Cell-Sheet Harvest on TiO ₂ Films Sensitized with Carbon Quantum Dots. ChemPlusChem, 2016, 81, 1135-1135.	2.8	0
51	Spatially-controlled distribution of HACC in mineralized collagen coatings for improving rhBMP-2 loading and release behavior. Colloids and Surfaces B: Biointerfaces, 2016, 145, 114-121.	5.0	7
52	Pedicle partial thickness clavicular graft for oromandibular reconstruction. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2016, 121, e1-e5.	0.4	6
53	Medial Sural Artery Perforator Flap Aided by Ultrasonic Perforator Localization for Reconstruction After Oral Carcinoma Resection. Journal of Oral and Maxillofacial Surgery, 2016, 74, 1063-1071.	1.2	21
54	Klf2 contributes to the stemness and self-renewal of human bone marrow stromal cells. Cytotechnology, 2016, 68, 839-848.	1.6	21

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55	Modulation of protein behavior through light responses of TiO ₂ nanodots films. <i>Scientific Reports</i> , 2015, 5, 13354.	3.3	11
56	Brief Report: Human Perivascular Stem Cells and Nel-Like Protein-1 Synergistically Enhance Spinal Fusion in Osteoporotic Rats. <i>Stem Cells</i> , 2015, 33, 3158-3163.	3.2	44
57	The role of cigarette smoking and alcohol consumption in the differentiation of oral squamous cell carcinoma for the males in China. <i>Journal of Cancer Research and Therapeutics</i> , 2015, 11, 141.	0.9	22
58	Influence of integration of TiO ₂ nanorods into its nanodot films on pre-osteoblast cell responses. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 387-393.	5.0	11
59	Alternating potentials assisted electrochemical deposition of mineralized collagen coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 479-487.	5.0	12
60	Improved light-induced cell detachment on rutile TiO ₂ nanodot films. <i>Acta Biomaterialia</i> , 2015, 26, 347-354.	8.3	20
61	Achieving accelerated osteogenic differentiation via novel magnesium silicate hollow spheres. <i>New Journal of Chemistry</i> , 2015, 39, 9722-9728.	2.8	4
62	Whole body vibration improves osseointegration by up-regulating osteoblastic activity but down-regulating osteoblast-mediated osteoclastogenesis via ERK1/2 pathway. <i>Bone</i> , 2015, 71, 17-24.	2.9	44
63	APPLICATION OF DENDRIMER/PLASMID hBMP-2 COMPLEXES LOADED INTO β -TCP/COLLAGEN SCAFFOLD IN THE TREATMENT OF FEMORAL DEFECTS IN RATS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2014, 26, 1450005.	0.6	1
64	C2-Ceramide Induces Cell Death and Protective Autophagy in Head and Neck Squamous Cell Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3336-3355.	4.1	29
65	Surface hydroxyl groups direct cellular response on amorphous and anatase TiO ₂ nanodots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 68-74.	5.0	48
66	Incorporation of chitosan nanospheres into thin mineralized collagen coatings for improving the antibacterial effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 536-541.	5.0	20