Huiming Wang

List of Publications by Year
in descending order

66	1,144	394421	501196
papers	citations	19 h-index	28 g-index

68	68	68	1877
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Utilization of a pre-bent plate-positioning surgical guide system in precise mandibular reconstruction with a free fibula flap. Oral Oncology, 2017, 75, 133-139.	1.5	56
2	Bone marrow mesenchymal stem cells promote head and neck cancer progression through Periostinâ€mediated phosphoinositide 3â€kinase/<scp>Akt</scp>/mammalian target of rapamycin. Cancer Science, 2018, 109, 688-698.	3.9	51
3	Surface hydroxyl groups direct cellular response on amorphous and anatase TiO 2 nanodots. Colloids and Surfaces B: Biointerfaces, 2014, 123, 68-74.	5.0	48
4	Brief Report: Human Perivascular Stem Cells andNel-Like Protein-1 Synergistically Enhance Spinal Fusion in Osteoporotic Rats. Stem Cells, 2015, 33, 3158-3163.	3.2	44
5	Whole body vibration improves osseointegration by up-regulating osteoblastic activity but down-regulating osteoblast-mediated osteoclastogenesis via ERK1/2 pathway. Bone, 2015, 71, 17-24.	2.9	44
6	Light-Induced Cell Alignment and Harvest for Anisotropic Cell Sheet Technology. ACS Applied Materials & Interfaces, 2017, 9, 36513-36524.	8.0	43
7	Sustained Release of Antimicrobial Peptide from Self-Assembling Hydrogel Enhanced Osteogenesis. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1812-1824.	3.5	41
8	Light-Controlled BMSC Sheetâ€“Implant Complexes with Improved Osteogenesis via an LRP5/Î²-Catenin/Runx2 Regulatory Loop. ACS Applied Materials & Interfaces, 2017, 9, 34674-34686.	8.0	36
9	IL-1/TNF-Î±Inflammatory and Anti-Inflammatory Synchronization Affects Gingival Stem/Progenitor Cellsâ€™ Regenerative Attributes. Stem Cells International, 2017, 2017, 1-9.	2.5	35
10	Mechanical stretch-induced osteogenic differentiation of human jaw bone marrow mesenchymal stem cells (hJBMMSCs) via inhibition of the NF-ÎºB pathway. Cell Death and Disease, 2018, 9, 207.	6.3	31
11	C2-Ceramide Induces Cell Death and Protective Autophagy in Head and Neck Squamous Cell Carcinoma Cells. International Journal of Molecular Sciences, 2014, 15, 3336-3355.	4.1	29
12	Long noncoding RNA LINC01133 inhibits oral squamous cell carcinoma metastasis through a feedback regulation loop with GDF15. Journal of Surgical Oncology, 2018, 118, 1326-1334.	1.7	29
13	Enhanced Osteogenic Activity of TiO₂ Nanorod Films with Microscaled Distribution of Zn-CaP. ACS Applied Materials & Interfaces, 2016, 8, 6944-6952.	8.0	26
14	Chiral geometry regulates stem cell fate and activity. Biomaterials, 2019, 222, 119456.	11.4	26
15	Enhancing osteogenic differentiation of BMSCs on high magnetoelectric response films. Materials Science and Engineering C, 2020, 113, 110970.	7.3	24
16	Controlled Release of Naringin in GelMA-Incorporated Rutile Nanorod Films to Regulate Osteogenic Differentiation of Mesenchymal Stem Cells. ACS Omega, 2019, 4, 19350-19357.	3.5	23
17	The role of cigarette smoking and alcohol consumption in the differentiation of oral squamous cell carcinoma for the males in China. Journal of Cancer Research and Therapeutics, 2015, 11, 141.	0.9	22
18	Substrate-mediated gene transduction of LAMA3 for promoting biological sealing between titanium surface and gingival epithelium. Colloids and Surfaces B: Biointerfaces, 2018, 161, 314-323.	5.0	22

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19	Quantitative assessment of symmetry recovery in navigation-assisted surgical reduction of zygomaticomaxillary complex fractures. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 311-319.	1.7	22
20	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
21	Klf2 contributes to the stemness and self-renewal of human bone marrow stromal cells. Cytotechnology, 2016, 68, 839-848.	1.6	21
22	Incorporation of chitosan nanospheres into thin mineralized collagen coatings for improving the antibacterial effect. Colloids and Surfaces B: Biointerfaces, 2013, 111, 536-541.	5.0	20
23	Improved light-induced cell detachment on rutile TiO2 nanodot films. Acta Biomaterialia, 2015, 26, 347-354.	8.3	20
24	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
25	Exosomes derived from preadipocytes improve osteogenic differentiation, potentially via reduced miRâ€‘223 expression. Molecular Medicine Reports, 2019, 19, 951-958.	2.4	17
26	Combination of simvastatin, calcium silicate/gypsum, and gelatin and bone regeneration in rabbit calvarial defects. Scientific Reports, 2016, 6, 23422.	3.3	16
27	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
28	Effects of RGD immobilization on light-induced cell sheet detachment from TiO2 nanodots films. Materials Science and Engineering C, 2016, 63, 240-246.	7.3	15
29	Surface Modification by Divalent Main-Group-Elemental Ions for Improved Bone Remodeling To Instruct Implant Biofabrication. ACS Biomaterials Science and Engineering, 2019, 5, 3311-3324.	5.2	15
30	KLF2+ stemness maintains human mesenchymal stem cells in bone regeneration. Stem Cells, 2020, 38, 395-409.	3.2	15
31	Improved rhBMP-2 function on MBG incorporated TiO 2 nanorod films. Colloids and Surfaces B: Biointerfaces, 2017, 150, 153-158.	5.0	14
32	Using an Engineered Galvanic Redox System to Generate Positive Surface Potentials that Promote Osteogenic Functions. ACS Applied Materials & Interfaces, 2018, 10, 15449-15460.	8.0	14
33	Theaflavin-3,3â€²-Digallate Suppresses Biofilm Formation, Acid Production, and Acid Tolerance in Streptococcus mutans by Targeting Virulence Factors. Frontiers in Microbiology, 2019, 10, 1705.	3.5	14
34	Enhanced Osteointegration of Hierarchical Structured 3D-Printed Titanium Implants. ACS Applied Bio Materials, 2018, 1, 90-99.	4.6	13
35	Positive modulation of osteogenesis on a titanium oxide surface incorporating strontium oxide: An in vitro and in vivo study. Materials Science and Engineering C, 2019, 99, 710-718.	7.3	13
36	Inhibition of osteogenic and adipogenic potential in bone marrow-derived mesenchymal stem cells under osteoporosis. Biochemical and Biophysical Research Communications, 2020, 525, 902-908.	2.1	13

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37	Tetrahedral framework nucleic <scp>acidsâ€based</scp> delivery promotes intracellular transfer of healing peptides and accelerates diabetic would healing. Cell Proliferation, 2022, 55, .	5.3	13
38	Alternating potentials assisted electrochemical deposition of mineralized collagen coatings. Colloids and Surfaces B: Biointerfaces, 2015, 136, 479-487.	5.0	12
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	Enhanced osteogenesis of quasi-three-dimensional hierarchical topography. Journal of Nanobiotechnology, 2019, 17, 102.	9.1	12
41	Modulation of protein behavior through light responses of TiO2 nanodots films. Scientific Reports, 2015, 5, 13354.	3.3	11
42	Influence of integration of TiO2 nanorods into its nanodot films on pre-osteoblast cell responses. Colloids and Surfaces B: Biointerfaces, 2015, 126, 387-393.	5.0	11
43	Fabrication, characterization, and biological assessment of multilayer laminin Î³2 DNA coatings on titanium surfaces. Scientific Reports, 2016, 6, 23423.	3.3	10
44	Electrochemical deposition of mineralized BSA/collagen coating. Materials Science and Engineering C, 2016, 66, 66-76.	7.3	10
45	BMP-2 plasmid DNA-loaded chitosan films â€“ A new strategy for bone engineering. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 2084-2091.	1.7	10
46	Engineering prevascularized composite cell sheet by light-induced cell sheet technology. RSC Advances, 2017, 7, 32468-32477.	3.6	9
47	Optimized beagle model for maxillary sinus floor augmentation via a mini-lateral window with simultaneous implant placement. Journal of International Medical Research, 2018, 46, 4684-4692.	1.0	9
48	Enhanced osteogenic differentiation of rat bone marrow mesenchymal stem cells on titanium substrates by inhibiting Notch3. Archives of Oral Biology, 2017, 80, 34-40.	1.8	8
49	Improved osseointegrating functionality of cell sheets on anatase TiO2 nanoparticle surfaces. RSC Advances, 2017, 7, 35845-35853.	3.6	8
50	Cumulative inactivation of Nell-1 in Wnt1 expressing cell lineages results in craniofacial skeletal hypoplasia and postnatal hydrocephalus. Cell Death and Differentiation, 2020, 27, 1415-1430.	11.2	8
51	Accelerated Osteogenesis of Heterogeneous Electric Potential Gradient on CFO/P(VDFâ€TrFE) Membranes. Advanced Materials Interfaces, 2022, 9, .	3.7	8
52	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
53	Early bone formation in miniâ€lateral window sinus floor elevation with simultaneous implant placement: An in vivo experimental study. Clinical Oral Implants Research, 2021, 32, 448-459.	4.5	7
54	Lightâ€Induced Cellâ€Sheet Harvest on TiO₂ Films Sensitized with Carbon Quantum Dots. ChemPlusChem, 2016, 81, 1166-1173.	2.8	6

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55	Mesenchymal stem cells in response to exposed rod-heights of TiO2 nanorod films. RSC Advances, 2016, 6, 67778-67784.	3.6	6
56	Pedicled partial thickness clavicular graft for oromandibular reconstruction. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2016, 121, e1-e5.	0.4	6
57	Clinician, dental student, and orthognathic patient perception of black-and-white silhouette lateral profile dimensions of ideal chin position in a Chinese population. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2018, 125, e1-e7.	0.4	6
58	Î²-Estradiol antagonizes the inhibitory effects of caffeine in BMMSCs via the ERÎ²-mediated cAMP-dependent PKA pathway. Toxicology, 2018, 394, 1-10.	4.2	5
59	Achieving accelerated osteogenic differentiation via novel magnesium silicate hollow spheres. New Journal of Chemistry, 2015, 39, 9722-9728.	2.8	4
60	The osteoinductive effect of nano-nacre particles on MC-3T3 E1 preosteoblast through controlled release of water soluble matrix and calciumions. Dental Materials Journal, 2019, 38, 981-986.	1.8	4
61	Iroquois Homeobox 5 Negatively Regulated by miRNA-147 Promotes the Proliferation, Metastasis, and Invasion by Oral Squamous Cell Carcinoma. Journal of Biomedical Nanotechnology, 2021, 17, 1098-1108.	1.1	4
62	The osteogenic response to chirality-patterned surface potential distribution of CFO/P(VDF-TrFE) membranes. Biomaterials Science, 2022, 10, 4576-4587.	5.4	4
63	Enhanced cellular osteogenic differentiation on Zn-containing bioglass incorporated TiO2 nanorod films. Journal of Materials Science: Materials in Medicine, 2018, 29, 136.	3.6	3
64	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. Odontology / the Society of the Nippon Dental University, 2021, 109, 729-740.	1.9	3
65	APPLICATION OF DENDRIMER/PLASMID hBMP-2 COMPLEXES LOADED INTO Î²-TCP/COLLAGEN SCAFFOLD IN THE TREATMENT OF FEMORAL DEFECTS IN RATS. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450005.	0.6	1
66	Light-Induced Cell-Sheet Harvest on TiO2 Films Sensitized with Carbon Quantum Dots. ChemPlusChem, 2016, 81, 1135-1135.	2.8	0