

Zhong Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,640
citations

218677

26
h-index

189892

50
g-index

58
all docs

58
docs citations

58
times ranked

3979
citing authors

#	ARTICLE	IF	CITATIONS
1	Current development of biodegradable polymeric materials for biomedical applications. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3117-3145.	4.3	604
2	DTI correlates of distinct cognitive impairments in Parkinson's disease. <i>Human Brain Mapping</i> , 2014, 35, 1325-1333.	3.6	146
3	Effects of crystallization of polyhydroxyalkanoate blend on surface physicochemical properties and interactions with rabbit articular cartilage chondrocytes. <i>Biomaterials</i> , 2005, 26, 3537-3548.	11.4	130
4	The antimicrobial and osteoinductive properties of silver nanoparticle/poly (dl-lactic-co-glycolic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	11.4	129
5	Current Development of Silver Nanoparticle Preparation, Investigation, and Application in the Field of Medicine. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-12.	2.7	123
6	The use of BMP-2 coupled " Nanosilver-PLGA composite grafts to induce bone repair in grossly infected segmental defects. <i>Biomaterials</i> , 2010, 31, 9293-9300.	11.4	121
7	Poly(hydroxybutyrate-co-hydroxyhexanoate) promoted production of extracellular matrix of articular cartilage chondrocytes in vitro. <i>Biomaterials</i> , 2003, 24, 4273-4281.	11.4	120
8	The Impact of Dental Implant Surface Modifications on Osseointegration and Biofilm Formation. <i>Journal of Clinical Medicine</i> , 2021, 10, 1641.	2.4	119
9	Tendinopathy: injury, repair, and current exploration. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 591-603.	4.3	93
10	A Quantitative Approach to Scar Analysis. <i>American Journal of Pathology</i> , 2011, 178, 621-628.	3.8	60
11	Delayed Wound Closure in Fibromodulin-Deficient Mice Is Associated with Increased TGF- β 3 Signaling. <i>Journal of Investigative Dermatology</i> , 2011, 131, 769-778.	0.7	59
12	Reprogramming of human fibroblasts into multipotent cells with a single ECM proteoglycan, fibromodulin. <i>Biomaterials</i> , 2012, 33, 5821-5831.	11.4	55
13	The Nell-1 Growth Factor Stimulates Bone Formation by Purified Human Perivascular Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 2497-2509.	3.1	54
14	Fibromodulin promoted in vitro and in vivo angiogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 530-535.	2.1	54
15	Expression of Concern: MiRNA-218 regulates osteoclast differentiation and inflammation response in periodontitis rats through Mmp9. <i>Cellular Microbiology</i> , 2019, 21, e12979.	2.1	50
16	Mutation on N-terminus of polyhydroxybutyrate synthase of <i>Ralstonia eutropha</i> enhanced PHB accumulation. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 896-905.	3.6	44
17	Thioesterase II of <i>Escherichia coli</i> Plays an Important Role in 3-Hydroxydecanoic Acid Production. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3807-3813.	3.1	43
18	Small Leucine-Rich Proteoglycans in Skin Wound Healing. <i>Frontiers in Pharmacology</i> , 2019, 10, 1649.	3.5	41

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19	Fibromodulin Enhances Angiogenesis during Cutaneous Wound Healing. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2014, 2, e275.	0.6	39
20	Fibromodulin Is Essential for Fetal-Type Scarless Cutaneous Wound Healing. <i>American Journal of Pathology</i> , 2016, 186, 2824-2832.	3.8	37
21	Fibromodulin reduces scar formation in adult cutaneous wounds by eliciting a fetal-like phenotype. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, .	17.1	37
22	Upregulation of long noncoding RNA <i>MEG3</i> inhibits the osteogenic differentiation of periodontal ligament cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 4617-4626.	4.1	36
23	Fibromodulin-Deficiency Alters Temporospatial Expression Patterns of Transforming Growth Factor- β Ligands and Receptors during Adult Mouse Skin Wound Healing. <i>PLoS ONE</i> , 2014, 9, e90817.	2.5	33
24	Induced production of rabbit articular cartilage-derived chondrocyte collagen II on polyhydroxyalkanoate blends. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 615-624.	3.5	30
25	Fibromodulin reprogrammed cells: A novel cell source for bone regeneration. <i>Biomaterials</i> , 2016, 83, 194-206.	11.4	29
26	MicroRNA-223 Suppresses Osteoblast Differentiation by Inhibiting DHRS3. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 667-679.	1.6	29
27	Production of 3-hydroxydecanoic acid by recombinant <i>Escherichia coli</i> HB101 harboring phaG gene. <i>Antonie Van Leeuwenhoek</i> , 2004, 85, 93-101.	1.7	27
28	Neurexin Superfamily Cell Membrane Receptor Contactin-Associated Protein Like-4 (<i>Cntnap4</i>) Is Involved in Neural EGFL-Like 1 (<i>Nell-1</i>)-Responsive Osteogenesis. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1813-1825.	2.8	22
29	Remote Corticotomy Accelerates Orthodontic Tooth Movement in a Rat Model. <i>BioMed Research International</i> , 2019, 2019, 1-9.	1.9	21
30	Fibromodulin reduces scar size and increases scar tensile strength in normal and excessive mechanical loading porcine cutaneous wounds. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 2510-2513.	3.6	20
31	Evaluating Current Scar Assessment Methods. <i>Annals of Plastic Surgery</i> , 2020, 84, 222-231.	0.9	19
32	Neural EGFL like 1 as a potential pro-chondrogenic, anti-inflammatory dual-functional disease-modifying osteoarthritis drug. <i>Biomaterials</i> , 2020, 226, 119541.	11.4	18
33	Genes and Pathways Associated with Skeletal Sagittal Malocclusions: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13037.	4.1	17
34	CDKN2B upregulation prevents teratoma formation in multipotent fibromodulin-reprogrammed cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 3236-3251.	8.2	16
35	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
36	Fibromodulin – A New Target of Osteoarthritis Management?. <i>Frontiers in Pharmacology</i> , 2019, 10, 1475.	3.5	14

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37	The Reliability of Two- and Three-Dimensional Cephalometric Measurements: A CBCT Study. <i>Diagnostics</i> , 2021, 11, 2292.	2.6	14
38	Activation of the Extracellular Signal-Regulated Kinase Signaling Is Critical for Human Umbilical Cord Mesenchymal Stem Cell Osteogenic Differentiation. <i>BioMed Research International</i> , 2016, 2016, 1-10.	1.9	12
39	Neural EGFL-Like 1 Is a Downstream Regulator of Runt-Related Transcription Factor 2 in Chondrogenic Differentiation and Maturation. <i>American Journal of Pathology</i> , 2017, 187, 963-972.	3.8	11
40	Nfatc1 Is a Functional Transcriptional Factor Mediating Nell-1-Induced Runx3 Upregulation in Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 168.	4.1	10
41	Novel cell sources for bone regeneration. <i>MedComm</i> , 2021, 2, 145-174.	7.2	10
42	A User-Friendly Protocol for Mandibular Segmentation of CBCT Images for Superimposition and Internal Structure Analysis. <i>Journal of Clinical Medicine</i> , 2021, 10, 127.	2.4	10
43	Neural EGFL-Like 1 Regulates Cartilage Maturation through Runt-Related Transcription Factor 3 Mediated Indian Hedgehog Signaling. <i>American Journal of Pathology</i> , 2018, 188, 392-403.	3.8	9
44	Identification of Novel Targets of Knee Osteoarthritis Shared by Cartilage and Synovial Tissue. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6033.	4.1	9
45	Photopolymerizable Hydrogel-Encapsulated Fibromodulin-Reprogrammed Cells for Muscle Regeneration. <i>Tissue Engineering - Part A</i> , 2020, 26, 1112-1122.	3.1	8
46	Cartilage Targets of Knee Osteoarthritis Shared by Both Genders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 569.	4.1	7
47	Production of Hydroxyalkanoate Monomers by Microbial Fermentation. <i>Journal of Chemical Engineering of Japan</i> , 2003, 36, 1170-1173.	0.6	6
48	Small Leucine-Rich Proteoglycans in Tendon Wound Healing. <i>Advances in Wound Care</i> , 2022, 11, 202-214.	5.1	6
49	Males and Females Have Distinct Molecular Events in the Articular Cartilage during Knee Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7876.	4.1	5
50	A novel injectable fibromodulin-releasing granular hydrogel for tendon healing and functional recovery. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	5
51	Disinfection of Infected Root Canals: Nanosilver Has Good Potential. <i>Small Methods</i> , 2019, 3, 1900378.	8.6	4
52	Maxillary sinus dimensions in skeletal class II population with different vertical skeletal patterns. <i>Clinical Oral Investigations</i> , 2022, 26, 5045-5060.	3.0	3
53	Editorial: Potential of Extracellular Matrix Molecules in Pharmaceutical Development. <i>Frontiers in Pharmacology</i> , 2020, 11, 636026.	3.5	2
54	Specific identification of (R)-3-hydroxyacyl-ACP: CoA transacylase gene from <i>Pseudomonas</i> and <i>Burkholderia</i> strains by polymerase chain reaction. <i>Shengwu Gongcheng Xuebao/Chinese Journal of Biotechnology</i> , 2005, 21, 19-24.	0.2	2

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55	Novel Strategies for Orofacial Soft Tissue Regeneration. <i>Advances in Wound Care</i> , 2023, 12, 339-360.	5.1	2
56	Impact of Frontier Development of Alveolar Bone Grafting on Orthodontic Tooth Movement. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	2
57	Apexification Management of Mandibular Second Premolar with a Blunderbuss Apex and Periapical Lesion of an Adult Patient. <i>Case Reports in Dentistry</i> , 2019, 2019, 1-4.	0.5	0
58	Bioactive wound Closure Devices are highly Demanded. <i>Clinics of Surgery</i> , 2018, 1, .	0.0	0