

Songsong Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,417
citations

331670

21
h-index

345221

36
g-index

47
all docs

47
docs citations

47
times ranked

2030
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of strontium-substituted hydroxyapatite coating on implant fixation in ovariectomized rats. <i>Biomaterials</i> , 2010, 31, 9006-9014.	11.4	258
2	Accuracy of virtual surgical planning in two-jaw orthognathic surgery: comparison of planned and actual results. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 122, 143-151.	0.4	108
3	Promoting Osseointegration of Ti Implants through Micro/Nanoscaled Hierarchical Ti Phosphate/Ti Oxide Hybrid Coating. <i>ACS Nano</i> , 2018, 12, 7883-7891.	14.6	91
4	Stimuliâ€Responsive Delivery of Growth Factors for Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901714.	7.6	86
5	Alendronate protects against articular cartilage erosion by inhibiting subchondral bone loss in ovariectomized rats. <i>Bone</i> , 2013, 53, 340-349.	2.9	77
6	Computer-assisted surgical planning and simulation for condylar reconstruction in patients with osteochondroma. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2011, 49, 203-208.	0.8	45
7	Treatment guidelines for temporomandibular joint ankylosis with secondary dentofacial deformities in adults. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2013, 41, e117-e127.	1.7	42
8	Multiâ€Dimensional Printing for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001986.	7.6	41
9	A fast LIV-curable PU-PAAm hydrogel with mechanical flexibility and self-adhesion for wound healing. <i>RSC Advances</i> , 2020, 10, 4907-4915.	3.6	33
10	Combined effects of recombinant human BMP-2 and Nell-1 on bone regeneration in rapid distraction osteogenesis of rabbit tibia. <i>Injury</i> , 2011, 42, 1467-1473.	1.7	32
11	Reconstruction of Mandibular Condyle by Transport Distraction Osteogenesis: Experimental Study in Rhesus Monkey. <i>Journal of Oral and Maxillofacial Surgery</i> , 2006, 64, 1487-1492.	1.2	31
12	Treatment of Dentofacial Deformities Secondary to Osteochondroma of the Mandibular Condyle Using Virtual Surgical Planning and 3-Dimensional Printed Surgical Templates. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 349-368.	1.2	30
13	Nanoscale Hybrid Coating Enables Multifunctional Tissue Scaffold for Potential Multimodal Therapeutic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27269-27278.	8.0	30
14	Modified versus classic alar base sutures after LeFort I osteotomy: a systematic review. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 117, 37-44.	0.4	29
15	Combined Effects of Connective Tissue Growth Factor-Modified Bone Marrow-Derived Mesenchymal Stem Cells and NaOH-Treated PLGA Scaffolds on the Repair of Articular Cartilage Defect in Rabbits. <i>Cell Transplantation</i> , 2014, 23, 715-727.	2.5	29
16	Oppositely Charged Polyurethane Microspheres with Tunable Zeta Potentials as an Injectable Dual-Loaded System for Bone Repair. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25808-25817.	8.0	29
17	Surface bioactivation through the nanostructured layer on titanium modified by facile HPT treatment. <i>Scientific Reports</i> , 2017, 7, 4155.	3.3	29
18	Two-Stage Treatment Protocol for Management of Temporomandibular Joint Ankylosis With Secondary Deformities in Adults: Our Institution's Experience. <i>Journal of Oral and Maxillofacial Surgery</i> , 2011, 69, e565-e572.	1.2	27

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19	Injectable openâ€porous <sc>PLGA</sc> microspheres as cell carriers for cartilage regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2091-2100.	4.0	26
20	Retrospective comparison of autogenous costochondral graft and coronoid process graft in the management of unilateral ankylosis of the temporomandibular joint in adults. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 928-933.	0.8	25
21	Notch Signaling Regulates MMP-13 Expression via Runx2 in Chondrocytes. <i>Scientific Reports</i> , 2019, 9, 15596.	3.3	24
22	The synergistic effect of TiO ₂ nanoporous modification and platelet-rich plasma treatment on titanium-implant stability in ovariectomized rats. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4719-4733.	6.7	20
23	Runx2 modified dental pulp stem cells (DPSCs) enhance new bone formation during rapid distraction osteogenesis (DO). <i>Differentiation</i> , 2016, 92, 195-203.	1.9	20
24	Inhibition of notch signaling pathway temporally postpones the cartilage degradation progress of temporomandibular joint arthritis in mice. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 1132-1138.	1.7	20
25	Exploring the mechanism behind improved osteointegration of phosphorylated titanium implants with hierarchically structured topography. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110520.	5.0	20
26	Graphene reinforced polyether ether ketone nanocomposites for bone repair applications. <i>Polymer Testing</i> , 2021, 100, 107276.	4.8	18
27	Comparison of early-stage changes of osteoarthritis in cartilage and subchondral bone between two different rat models. <i>PeerJ</i> , 2020, 8, e8934.	2.0	17
28	Treatment of Osteochondroma in the Mandibular Condyle and Secondary Dentofacial Deformities Using Surgery Combined With Orthodontics in Adults. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 2295-2317.	1.2	15
29	Recombinant human bone morphogenetic protein-2 suspended in fibrin glue enhances bone formation during distraction osteogenesis in rabbits. <i>Archives of Medical Science</i> , 2016, 3, 494-501.	0.9	15
30	Development of a novel biomimetic micro/nano-hierarchical interface for enhancement of osseointegration. <i>RSC Advances</i> , 2016, 6, 49954-49965.	3.6	14
31	Combined Use of Facial Osteoplasty and Orthognathic Surgery for Treatment of Dentofacial Deformities. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 2505.e1-2505.e12.	1.2	12
32	Expression of Notch signaling pathway during osteoarthritis in the temporomandibular joint. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 1338-1348.	1.7	12
33	Accelerating Bone Healing by Decorating BMP-2 on Porous Composite Scaffolds. <i>ACS Applied Bio Materials</i> , 2019, 2, 5717-5726.	4.6	12
34	Simultaneous arthroplasty and distraction osteogenesis for the treatment of ankylosis of the temporomandibular joint and secondary mandibular deformities in children. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2019, 57, 135-139.	0.8	12
35	Effects of Intermittent Low-Dose Parathyroid Hormone Treatment on Rapid Mandibular Distraction Osteogenesis in Rabbits. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017, 75, 1722-1731.	1.2	11
36	The custom making of hierarchical micro/nanoscaled titanium phosphate coatings and their formation mechanism analysis. <i>RSC Advances</i> , 2019, 9, 41311-41318.	3.6	11

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37	Changes of Masseter Muscles After Mandibular Angle Ostectomy in Rhesus Monkeys. <i>Annals of Plastic Surgery</i> , 2009, 63, 670-675.	0.9	10
38	Management of Temporomandibular Joint Ankylosis With Dentofacial Deformities in Children. <i>Journal of Craniofacial Surgery</i> , 2018, 29, e150-e155.	0.7	9
39	Treatment measures of hemimandibular hyperplasia and associated facial deformities. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021, 49, 126-134.	1.7	8
40	Fibrocartilage Stem Cells in the Temporomandibular Joint: Insights From Animal and Human Studies. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 665995.	3.7	8
41	The quantitative correlation between condylar resorption and skeletal relapse following mandibular advancement in skeletal class II malocclusion patients. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020, 48, 839-844.	1.7	7
42	Clinical outcomes of open treatment of old condylar head fractures in adults. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021, 49, 480-487.	1.7	7
43	Myrtol ameliorates cartilage lesions in an osteoarthritis rat model. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 1435-42.	0.5	5
44	Subchondral bone changes and chondrogenic capacity of progenitor cells from subchondral bone in the collagenase-induced temporomandibular joints osteoarthritis rabbit model. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 9782-9.	0.5	5
45	Temporomandibular joint osteoarthritis: A review of animal models induced by surgical interventions. <i>Oral Diseases</i> , 2023, 29, 2521-2528.	3.0	4
46	Self-repair capability of surgically created incisions in TMJ disc: An experimental study on goats. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, 1334-1340.	1.7	3