

Zongyang Sun

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

813
citations

516710

16
h-index

501196

28
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38
all docs

38
docs citations

38
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of bone thickness on alveolar bone-height measurements from cone-beam computed tomography images. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011, 139, e117-e127.	1.7	131
2	Cranial sutures and bones: Growth and fusion in relation to masticatory strain. <i>The Anatomical Record</i> , 2004, 276A, 150-161.	1.8	127
3	Factors affecting the accuracy of buccal alveolar bone height measurements from cone-beam computed tomography images. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013, 143, 353-363.	1.7	57
4	Movement of temporomandibular joint tissues during mastication and passive manipulation in miniature pigs. <i>Archives of Oral Biology</i> , 2002, 47, 293-305.	1.8	52
5	Enamel Proteases Reduce Amelogenin-Apatite Binding. <i>Journal of Dental Research</i> , 2008, 87, 1133-1137.	5.2	33
6	Scaffold-Based Delivery of Autologous Mesenchymal Stem Cells for Mandibular Distraction Osteogenesis: Preliminary Studies in a Porcine Model. <i>PLoS ONE</i> , 2013, 8, e74672.	2.5	32
7	Evaluation of cone-beam computed tomography in the diagnosis of simulated small osseous defects in the mandibular condyle. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014, 145, 143-156.	1.7	32
8	Mechanical strain at alveolar bone and circummaxillary sutures during acute rapid palatal expansion. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011, 139, e219-e228.	1.7	31
9	Similarities and differences between porcine mandibular and limb bone marrow mesenchymal stem cells. <i>Archives of Oral Biology</i> , 2017, 77, 1-11.	1.8	28
10	Establishing a Critical-Size Mandibular Defect Model in Growing Pigs: Characterization of Spontaneous Healing. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 1852-1868.	1.2	24
11	Mandibular distraction osteogenesis assisted by cell-based tissue engineering: a systematic review. <i>Orthodontics and Craniofacial Research</i> , 2015, 18, 39-49.	2.8	23
12	Follistatin-like 3 is a mediator of exercise-driven bone formation and strengthening. <i>Bone</i> , 2015, 78, 62-70.	2.9	23
13	Apatite Reduces Amelogenin Proteolysis by MMP-20 and KLK4 in vitro. <i>Journal of Dental Research</i> , 2010, 89, 344-348.	5.2	21
14	Alveolar ridge reduction after tooth extraction in adolescents: An animal study. <i>Archives of Oral Biology</i> , 2013, 58, 813-825.	1.8	20
15	The effect of periosteal injury and masticatory micromovement on the healing of a mandibular distraction osteogenesis site. <i>Archives of Oral Biology</i> , 2009, 54, 205-215.	1.8	18
16	Macrophages mediate corticotomy-accelerated orthodontic tooth movement. <i>Scientific Reports</i> , 2018, 8, 16788.	3.3	18
17	Cell proliferation and osteogenic differentiation of growing pig cranial sutures. <i>Journal of Anatomy</i> , 2007, 211, 280-289.	1.5	17
18	Culture-expanded mesenchymal stem cell sheets enhance extraction-site alveolar bone growth: An animal study. <i>Journal of Periodontal Research</i> , 2018, 53, 514-524.	2.7	13

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19	Mandibular Mechanics After Osteotomy and Distraction Appliance Placement I: Postoperative Mobility of the Osteotomy Site. <i>Journal of Oral and Maxillofacial Surgery</i> , 2006, 64, 610-619.	1.2	11
20	Masticatory mechanics of a mandibular distraction osteogenesis site: Interfragmentary micromovement. <i>Bone</i> , 2007, 41, 188-196.	2.9	11
21	Molecular Variations Related to the Regional Differences in Periosteal Growth at the Mandibular Ramus. <i>Anatomical Record</i> , 2011, 294, 79-87.	1.4	11
22	Comparison of cone-beam computed tomography with multislice computed tomography in detection of small osseous condylar defects. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016, 150, 130-139.	1.7	10
23	Reconstructing jaw defects with MSCs and PLGA-encapsulated growth factors. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 2693-704.	0.0	10
24	Xenogeneic mesenchymal stem cell transplantation for mandibular defect regeneration. <i>Xenotransplantation</i> , 2020, 27, e12625.	2.8	7
25	Mandibular bone mineral density variation in three West African Cercopithecoid monkey species: Associations with diet and feeding behavior. <i>Archives of Oral Biology</i> , 2015, 60, 1714-1720.	1.8	6
26	The cervical vertebrae staging method's reliability in detecting pre and post mandibular growth. <i>Orthodontic Waves</i> , 2013, 72, 105-111.	0.2	5
27	The usefulness of cone-beam computed tomography gray values for alveolar bone linear measurements. <i>Angle Orthodontist</i> , 2018, 88, 227-232.	2.4	5
28	Enhance Mandibular Symphyseal Surface Bone Growth with Autologous Mesenchymal Stem Cell Sheets: An Animal Study. <i>Aesthetic Plastic Surgery</i> , 2020, 44, 191-200.	0.9	3
29	Effects of porcine bone marrow-derived platelet-rich plasma on bone marrow-derived mesenchymal stem cells and endothelial progenitor cells. <i>Tissue and Cell</i> , 2021, 71, 101587.	2.2	3
30	The Effect of Parathyroid Hormone Analogues When Added to Mineralized Bone Xenografts. <i>Journal of Oral Implantology</i> , 2020, 46, 372-379.	1.0	3
31	Growth characteristics underlying the lack of a chin in pigs: a histomorphometric study. <i>Orthodontics and Craniofacial Research</i> , 2015, 18, 232-241.	2.8	2
32	Buccally impacted maxillary canines increase the likelihood of root separation in adjacent first premolars. <i>Oral Diseases</i> , 2017, 23, 36-41.	3.0	2
33	Enhancement of bone marrow aspirate concentrate with local self-healing corticotomies. <i>Tissue and Cell</i> , 2020, 66, 101383.	2.2	2
34	Reliability and accuracy of assessing temporary anchorage device-tooth root contact with cone-beam computed tomography. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 271-280.	1.7	2
35	Evaluation of objective structured clinical examination for advanced orthodontic education 12 years after introduction. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2017, 151, 840-850.	1.7	1
36	Masticatory micromovement in mandibular distraction osteogenesis and its effect on bone growth. <i>FASEB Journal</i> , 2007, 21, A134.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Molecular Variation of Mandibular Periosteum. FASEB Journal, 2010, 24, 638.7.	0.5	0