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 g-index
38 all docs	38 docs citations	38 times ranked	941 citing authors

#	Article	IF	Citations
1	Reliability and accuracy of assessing temporary anchorage device-tooth root contact with cone-beam computed tomography. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, 271-280.	1.7	2
2	Effects of porcine bone marrow-derived platelet-rich plasma on bone marrow-derived mesenchymal stem cells and endothelial progenitor cells. Tissue and Cell, 2021, 71, 101587.	2.2	3
3	Enhance Mandibular Symphyseal Surface Bone Growth with Autologous Mesenchymal Stem Cell Sheets: An Animal Study. Aesthetic Plastic Surgery, 2020, 44, 191-200.	0.9	3
4	Xenogeneic mesenchymal stem cell transplantation for mandibular defect regeneration. Xenotransplantation, 2020, 27, e12625.	2.8	7
5	Enhancement of bone marrow aspirate concentrate with local self-healing corticotomies. Tissue and Cell, 2020, 66, 101383.	2.2	2
6	The Effect of Parathyroid Hormone Analogues When Added to Mineralized Bone Xenografts. Journal of Oral Implantology, 2020, 46, 372-379.	1.0	3
7	Cultureâ€expanded mesenchymal stem cell sheets enhance extractionâ€site alveolar bone growth: An animal study. Journal of Periodontal Research, 2018, 53, 514-524.	2.7	13
8	The usefulness of cone-beam computed tomography gray values for alveolar bone linear measurements. Angle Orthodontist, 2018, 88, 227-232.	2.4	5
9	Macrophages mediate corticotomy-accelerated orthodontic tooth movement. Scientific Reports, 2018, 8, 16788.	3.3	18
10	Similarities and differences between porcine mandibular and limb bone marrow mesenchymal stem cells. Archives of Oral Biology, 2017, 77, 1-11.	1.8	28
11	Evaluation of objective structured clinical examination for advanced orthodontic education 12Âyears after introduction. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 151, 840-850.	1.7	1
12	Buccally impacted maxillary canines increase the likelihood of root separation in adjacent first premolars. Oral Diseases, 2017, 23, 36-41.	3.0	2
13	Comparison of cone-beam computed tomography with multislice computed tomography in detection of small osseous condylar defects. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 130-139.	1.7	10
14	Reconstructing jaw defects with MSCs and PLGA-encapsulated growth factors. American Journal of Translational Research (discontinued), 2016, 8, 2693-704.	0.0	10
15	Mandibular distraction osteogenesis assisted by cellâ€based tissue engineering: a systematic review. Orthodontics and Craniofacial Research, 2015, 18, 39-49.	2.8	23
16	Growth characteristics underlying the lack of a chin in pigs: a histomorphometric study. Orthodontics and Craniofacial Research, 2015, 18, 232-241.	2.8	2
17	Follistatin-like 3 is a mediator of exercise-driven bone formation and strengthening. Bone, 2015, 78, 62-70.	2.9	23
18	Mandibular bone mineral density variation in three West African Cercopithecoid monkey species: Associations with diet and feeding behavior. Archives of Oral Biology, 2015, 60, 1714-1720.	1.8	6

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19	Evaluation of cone-beam computed tomography in the diagnosis of simulated small osseous defects in the mandibular condyle. American Journal of Orthodontics and Dentofacial Orthopedics, 2014, 145, 143-156.	1.7	32
20	Establishing a Critical-Size Mandibular Defect Model in Growing Pigs: Characterization of Spontaneous Healing. Journal of Oral and Maxillofacial Surgery, 2014, 72, 1852-1868.	1.2	24
21	Factors affecting the accuracy of buccal alveolar bone height measurements from cone-beam computed tomography images. American Journal of Orthodontics and Dentofacial Orthopedics, 2013, 143, 353-363.	1.7	57
22	The cervical vertebrae staging method's reliability in detecting pre and post mandibular growth. Orthodontic Waves, 2013, 72, 105-111.	0.2	5
23	Alveolar ridge reduction after tooth extraction in adolescents: An animal study. Archives of Oral Biology, 2013, 58, 813-825.	1.8	20
24	Scaffold-Based Delivery of Autologous Mesenchymal Stem Cells for Mandibular Distraction Osteogenesis: Preliminary Studies in a Porcine Model. PLoS ONE, 2013, 8, e74672.	2.5	32
25	Mechanical strain at alveolar bone and circummaxillary sutures during acute rapid palatal expansion. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 139, e219-e228.	1.7	31
26	Effect of bone thickness on alveolar bone-height measurements from cone-beam computed tomography images. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 139, e117-e127.	1.7	131
27	Molecular Variations Related to the Regional Differences in Periosteal Growth at the Mandibular Ramus. Anatomical Record, 2011, 294, 79-87.	1.4	11
28	Apatite Reduces Amelogenin Proteolysis by MMP-20 and KLK4 in vitro. Journal of Dental Research, 2010, 89, 344-348.	5.2	21
29	Molecular Variation of Mandibular Periosteum. FASEB Journal, 2010, 24, 638.7.	0.5	0
30	The effect of periosteal injury and masticatory micromovement on the healing of a mandibular distraction osteogenesis site. Archives of Oral Biology, 2009, 54, 205-215.	1.8	18
31	Enamel Proteases Reduce Amelogenin-Apatite Binding. Journal of Dental Research, 2008, 87, 1133-1137.	5.2	33
32	Masticatory mechanics of a mandibular distraction osteogenesis site: Interfragmentary micromovement. Bone, 2007, 41, 188-196.	2.9	11
33	Cell proliferation and osteogenic differentiation of growing pig cranial sutures. Journal of Anatomy, 2007, 211, 280-289.	1.5	17
34	Masticatory micromovement in mandibular distraction osteogenesis and its effect on bone growth. FASEB Journal, 2007, 21, A134.	0.5	0
35	Mandibular Mechanics After Osteotomy and Distraction Appliance Placement I: Postoperative Mobility of the Osteotomy Site. Journal of Oral and Maxillofacial Surgery, 2006, 64, 610-619.	1.2	11
36	Cranial sutures and bones: Growth and fusion in relation to masticatory strain. The Anatomical Record, 2004, 276A, 150-161.	1.8	127

#	Article	IF	Citations
37	Movement of temporomandibular joint tissues during mastication and passive manipulation in miniature pigs. Archives of Oral Biology, 2002, 47, 293-305.	1.8	52