

Hiroyuki Kanzaki

List of Publications by Year in descending order

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47
papers

1,894
citations

393982

19
h-index

301761

39
g-index

51
all docs

51
docs citations

51
times ranked

1968
citing authors

#	ARTICLE	IF	CITATIONS
1	Periodontal Ligament Cells Under Mechanical Stress Induce Osteoclastogenesis by Receptor Activator of Nuclear Factor κ B Ligand Up-Regulation via Prostaglandin E2 Synthesis. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 210-220.	3.1	423
2	Dual Regulation of Osteoclast Differentiation by Periodontal Ligament Cells through RANKL Stimulation and OPC Inhibition. <i>Journal of Dental Research</i> , 2001, 80, 887-891.	2.5	188
3	Local RANKL gene transfer to the periodontal tissue accelerates orthodontic tooth movement. <i>Gene Therapy</i> , 2006, 13, 678-685.	2.3	147
4	The Keap1/Nrf2 Protein Axis Plays a Role in Osteoclast Differentiation by Regulating Intracellular Reactive Oxygen Species Signaling. <i>Journal of Biological Chemistry</i> , 2013, 288, 23009-23020.	1.6	141
5	Local OPC Gene Transfer to Periodontal Tissue Inhibits Orthodontic Tooth Movement. <i>Journal of Dental Research</i> , 2004, 83, 920-925.	2.5	138
6	Pathways that Regulate ROS Scavenging Enzymes, and Their Role in Defense Against Tissue Destruction in Periodontitis. <i>Frontiers in Physiology</i> , 2017, 8, 351.	1.3	112
7	Molecular regulatory mechanisms of osteoclastogenesis through cytoprotective enzymes. <i>Redox Biology</i> , 2016, 8, 186-191.	3.9	74
8	Cyclical Tensile Force on Periodontal Ligament Cells Inhibits Osteoclastogenesis through OPC Induction. <i>Journal of Dental Research</i> , 2006, 85, 457-462.	2.5	73
9	RANKL induces Bach1 nuclear import and attenuates Nrf2-mediated antioxidant enzymes, thereby augmenting intracellular reactive oxygen species signaling and osteoclastogenesis in mice. <i>FASEB Journal</i> , 2017, 31, 781-792.	0.2	52
10	Dimethyl fumarate inhibits osteoclasts <i>via</i> attenuation of reactive oxygen species signalling by augmented antioxidation. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 1138-1147.	1.6	50
11	Soluble RANKL Cleaved from Activated Lymphocytes by TNF- α -Converting Enzyme Contributes to Osteoclastogenesis in Periodontitis. <i>Journal of Immunology</i> , 2016, 197, 3871-3883.	0.4	48
12	Clodronate Inhibits PGE ₂ Production in Compressed Periodontal Ligament Cells. <i>Journal of Dental Research</i> , 2006, 85, 757-760.	2.5	39
13	Nuclear Nrf2 Induction by Protein Transduction Attenuates Osteoclastogenesis. <i>Free Radical Biology and Medicine</i> , 2014, 77, 239-248.	1.3	37
14	Local osteoprotegerin gene transfer inhibits relapse of orthodontic tooth movement. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2012, 141, 30-40.	0.8	35
15	Nrf2 Activation Attenuates Both Orthodontic Tooth Movement and Relapse. <i>Journal of Dental Research</i> , 2015, 94, 787-794.	2.5	35
16	Phosphoglycerol dihydroceramide, a distinctive ceramide produced by <i>Porphyromonas gingivalis</i> , promotes RANKL-induced osteoclastogenesis by acting on non-muscle myosin II-A (Myh9), an osteoclast cell fusion regulatory factor. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 452-462.	1.2	30
17	Delivery of Molecules to the Lymph Node via Lymphatic Vessels Using Ultrasound and Nano/Microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1411-1421.	0.7	25
18	Nrf2 activation in osteoblasts suppresses osteoclastogenesis via inhibiting IL-6 expression.. <i>Bone Reports</i> , 2019, 11, 100228.	0.2	23

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19	Effects of local osteoprotegerin gene transfection on orthodontic root resorption during retention: an <i>in vivo</i> micro-CT analysis. <i>Orthodontics and Craniofacial Research</i> , 2012, 15, 10-20.	1.2	21
20	Local osteoprotegerin gene transfer to periodontal tissue inhibits lipopolysaccharide-induced alveolar bone resorption. <i>Journal of Periodontal Research</i> , 2008, 43, 237-245.	1.4	19
21	Single Local Injection of Epigallocatechin Gallate-Modified Gelatin Attenuates Bone Resorption and Orthodontic Tooth Movement in Mice. <i>Polymers</i> , 2018, 10, 1384.	2.0	18
22	Compression and tension variably alter Osteoprotegerin expression via miR-3198 in periodontal ligament cells. <i>BMC Molecular and Cell Biology</i> , 2019, 20, 6.	1.0	16
23	Antibacterial, Hydrophilic Effect and Mechanical Properties of Orthodontic Resin Coated with UV-Responsive Photocatalyst. <i>Materials</i> , 2018, 11, 889.	1.3	15
24	Orthodontic tensile strain induces angiogenesis via type IV collagen degradation by matrix metalloproteinase-12. <i>Journal of Periodontal Research</i> , 2017, 52, 842-852.	1.4	14
25	Midfacial Changes Through Anterior Maxillary Distraction Osteogenesis in Patients With Cleft Lip and Palate. <i>Journal of Craniofacial Surgery</i> , 2017, 28, 1057-1062.	0.3	14
26	Bach1 Inhibition Suppresses Osteoclastogenesis via Reduction of the Signaling via Reactive Oxygen Species by Reinforced Antioxidation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 740.	1.8	14
27	A-Disintegrin and Metalloproteinase (ADAM) 17 Enzymatically Degrades Interferon-gamma. <i>Scientific Reports</i> , 2016, 6, 32259.	1.6	13
28	Possible alternative treatment for mandibular asymmetry by local unilateral IGF-1 injection into the mandibular condylar cavity: Experimental study in mice. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2017, 152, 820-829.	0.8	12
29	Novel device for application of continuous mechanical tensile strain to mammalian cells. <i>Biology Open</i> , 2017, 6, 518-524.	0.6	10
30	In vivo delivery of an exogenous molecule into murine T lymphocytes using a lymphatic drug delivery system combined with sonoporation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 1025-1031.	1.0	10
31	HVJ-E/importin- β hybrid vector for overcoming cytoplasmic and nuclear membranes as double barrier for non-viral gene delivery. <i>Biomedicine and Pharmacotherapy</i> , 2012, 66, 519-524.	2.5	7
32	The main occluding area in normal occlusion and mandibular prognathism. <i>Angle Orthodontist</i> , 2016, 86, 87-93.	1.1	7
33	Sustained Release of Catechin from Gelatin and Its Effect on Bone Formation in Critical Sized Defects in Rat Calvaria. <i>Journal of Hard Tissue Biology</i> , 2020, 29, 77-84.	0.2	7
34	Orthodontic tooth movement and HMGB1. <i>Journal of Oral Biosciences</i> , 2018, 60, 49-53.	0.8	6
35	Asporin stably expressed in the surface layer of mandibular condylar cartilage and augmented in the deeper layer with age. <i>Bone Reports</i> , 2017, 7, 41-50.	0.2	4
36	Occlusal hypofunction mediates alveolar bone apposition via relative augmentation of TGF- β signaling by decreased Asporin production in rats. <i>Dental, Oral, and Craniofacial Research</i> , 2016, 3, .	0.1	4

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37	Nasopharyngoscopic Analyses through Anterior Maxillary Distraction Osteogenesis for Adolescent Patients With Cleft Palate. <i>Journal of Craniofacial Surgery</i> , 2018, 29, 270-274.	0.3	3
38	Nutritional supplementation with myo-inositol in growing mice specifically augments mandibular endochondral growth. <i>Bone</i> , 2019, 121, 181-190.	1.4	3
39	Mandibular prognathism attenuates brain blood flow induced by chewing. <i>Scientific Reports</i> , 2019, 9, 19104.	1.6	3
40	Is RANKL shedding involved in immune cell-mediated osteoclastogenesis?. , 2010, , 403-405.		3
41	Influence of posterior cranial base growth on the therapeutic effect of bite jumping appliance. <i>Orthodontic Waves</i> , 2017, 76, 215-220.	0.2	0
42	Author's response. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018, 154, 461-462.	0.8	0
43	Orthodontic treatment of acquired open bite accompanied with extreme mesially inclined mandibular molars. <i>International Orthodontics</i> , 2018, 16, 744-760.	0.6	0
44	Chewing-induced Increase of Brain Blood Flow in Mandibular Prognathism Was Less Compared to Normal Occlusion. <i>The Japanese Journal of Jaw Deformities</i> , 2021, 31, 172-180.	0.1	0
45	Initial Responses of Periodontal Ligament Cells Induced by Mechanical Stress. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2001, 2001.13, 192-193.	0.0	0
46	J023014 Molecular delivery system into lymph nodes using ultrasound and nanobubbles. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2013, 2013, _J023014-1-_J023014-5.	0.0	0
47	2A12 Amelioration of bone destructive disease by cell-permeable peptide, 7R-ETGE. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2014, 2014.26, 253-254.	0.0	0