

Hyo-Sang Park

List of Publications by Year in descending order

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69
papers

3,047
citations

186209

28
h-index

155592

55
g-index

73
all docs

73
docs citations

73
times ranked

2368
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors affecting the clinical success of screw implants used as orthodontic anchorage. American Journal of Orthodontics and Dentofacial Orthopedics, 2006, 130, 18-25.	0.8	492
2	BMP-2-induced Osterix expression is mediated by Dlx5 but is independent of Runx2. Biochemical and Biophysical Research Communications, 2003, 309, 689-694.	1.0	357
3	Density of the alveolar and basal bones of the maxilla and the mandible. American Journal of Orthodontics and Dentofacial Orthopedics, 2008, 133, 30-37.	0.8	220
4	Group distal movement of teeth using microscrew implant anchorage. Angle Orthodontist, 2005, 75, 602-9.	1.1	167
5	A comparison of craniofacial morphology in patients with and without facial asymmetry—a three-dimensional analysis with computed tomography. International Journal of Oral and Maxillofacial Surgery, 2006, 35, 43-48.	0.7	141
6	Sliding mechanics with microscrew implant anchorage. Angle Orthodontist, 2004, 74, 703-10.	1.1	129
7	Nonextraction treatment with microscrew implants. Angle Orthodontist, 2004, 74, 539-49.	1.1	105
8	Treatment of open bite with microscrew implant anchorage. American Journal of Orthodontics and Dentofacial Orthopedics, 2004, 126, 627-636.	0.8	104
9	Treatment effects of microimplant-aided sliding mechanics on distal retraction of posterior teeth. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 139, 470-481.	0.8	84
10	Stability of Mandibular Setback Surgery With and Without Presurgical Orthodontics. Journal of Oral and Maxillofacial Surgery, 2014, 72, 779-787.	0.5	80
11	Nonextraction treatment of an open bite with microscrew implant anchorage. American Journal of Orthodontics and Dentofacial Orthopedics, 2006, 130, 391-402.	0.8	79
12	Editor's Summary and Q&A. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 158-159.	0.8	79
13	Five-year experience with orthodontic miniscrew implants: A retrospective investigation of factors influencing success rates. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 158.e1-158.e10.	0.8	73
14	Analysis of the Soluble Human Tooth Proteome and Its Ability to Induce Dentin/Tooth Regeneration. Tissue Engineering - Part A, 2011, 17, 181-191.	1.6	68
15	Accuracy of maxillary repositioning in two-jaw surgery with conventional articulator model surgery versus virtual model surgery. International Journal of Oral and Maxillofacial Surgery, 2014, 43, 732-738.	0.7	65
16	Use of Flowable Composites for Orthodontic Bracket Bonding. Angle Orthodontist, 2008, 78, 1105-1109.	1.1	56
17	Treatment effects and anchorage potential of sliding mechanics with titanium screws compared with the Tweed-Merrifield technique. American Journal of Orthodontics and Dentofacial Orthopedics, 2008, 133, 593-600.	0.8	53
18	Four novel RUNX2 mutations including a splice donor site result in the cleidocranial dysplasia phenotype. Journal of Cellular Physiology, 2006, 207, 114-122.	2.0	50

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19	Cranial nerve injury after Le Fort I osteotomy. International Journal of Oral and Maxillofacial Surgery, 2011, 40, 327-329.	0.7	43
20	Comparative short-term in vitro analysis of mutans streptococci adhesion on esthetic, nickel-titanium, and stainless-steel arch wires. Angle Orthodontist, 2014, 84, 680-686.	1.1	40
21	Influence of Unilateral Masseter Muscle Atrophy on Craniofacial Morphology in Growing Rabbits. Journal of Oral and Maxillofacial Surgery, 2007, 65, 1530-1537.	0.5	39
22	Effect of the length of orthodontic mini-screw implants on their long-term stability: A prospective study. Angle Orthodontist, 2015, 85, 33-38.	1.1	34
23	Central cyclooxygenase inhibitors reduced IL-1 β -induced hyperalgesia in temporomandibular joint of freely moving rats. Pain, 2005, 117, 204-213.	2.0	33
24	Relationship Between the Masticatory Muscles and Mandibular Skeleton in Mandibular Prognathism With and Without Asymmetry. Journal of Oral and Maxillofacial Surgery, 2007, 65, 1538-1543.	0.5	33
25	Effect of garlic on bacterial biofilm formation on orthodontic wire. Angle Orthodontist, 2011, 81, 895-900.	1.1	33
26	Microscrew implant anchorage sliding mechanics. World Journal of Orthodontics, 2005, 6, 265-74.	0.2	30
27	Differences in distances between maxillary posterior root apices and the sinus floor according to skeletal pattern. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 152, 811-819.	0.8	29
28	Maxillary molar intrusion with micro-implant anchorage (MIA). Australian Orthodontic Journal, 2005, 21, 129-35.	0.3	28
29	Simultaneous incisor retraction and distal molar movement with microimplant anchorage. World Journal of Orthodontics, 2004, 5, 164-71.	0.2	27
30	Staged Surgical Treatment for Temporomandibular Joint Ankylosis: Intraoral Distraction After Temporalis Muscle Flap Reconstruction. Journal of Oral and Maxillofacial Surgery, 2006, 64, 1680-1683.	0.5	25
31	Analysis of dental compensation in patients with facial asymmetry using cone-beam computed tomography. American Journal of Orthodontics and Dentofacial Orthopedics, 2019, 156, 493-501.	0.8	20
32	Occlusal plane change after intrusion of maxillary posterior teeth by microimplants to avoid maxillary surgery with skeletal Class III orthognathic surgery. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 138, 631-640.	0.8	19
33	Soft tissue changes and skeletal stability after modified quadrangular Le Fort I osteotomy. International Journal of Oral and Maxillofacial Surgery, 2015, 44, 356-361.	0.7	19
34	3-Dimensional characterization of cortical bone microdamage following placement of orthodontic microimplants using Optical Coherence Tomography. Scientific Reports, 2019, 9, 3242.	1.6	19
35	Evaluation of Pterygomaxillary Anatomy Using Computed Tomography: Are There Any Structural Variations in Cleft Patients?. Journal of Oral and Maxillofacial Surgery, 2011, 69, 2644-2649.	0.5	18
36	Proper mesiodistal angles for microimplant placement assessed with 3-dimensional computed tomography images. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, 200-206.	0.8	17

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37	Self-perception of smile attractiveness as a reliable predictor of increased patient compliance with an orthodontist. <i>Advances in Clinical and Experimental Medicine</i> , 2019, 28, 1633-1638.	0.6	12
38	Dynamic simulation of the self-tapping insertion process of orthodontic microimplants into cortical bone with a 3-dimensional finite element method. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2012, 142, 834-841.	0.8	11
39	Treatment of a Class II deepbite with microimplant anchorage. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011, 139, 397-406.	0.8	10
40	Cephalometric differences in obstructive sleep apnea between obese and non-obese Korean male patients. <i>Korean Journal of Orthodontics</i> , 2008, 38, 202.	0.8	8
41	Optimization of orthodontic microimplant thread design. <i>Korean Journal of Orthodontics</i> , 2011, 41, 25.	0.8	8
42	Effect of adhesive resin flexibility on enamel fracture during metal bracket debonding: an <i>in vivo</i> study. <i>European Journal of Orthodontics</i> , 2015, 37, 550-555.	1.1	8
43	Assessment of cortical bone microdamage following insertion of microimplants using optical coherence tomography: a preliminary study. <i>Journal of Zhejiang University: Science B</i> , 2018, 19, 818-828.	1.3	8
44	Analysis of Enamel Loss by Prophylaxis and Etching Treatment in Human Tooth Using Optical Coherence Tomography: An <i>In Vitro</i> Study. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-9.	1.1	8
45	Congenital Macroglossia Treated by 2-Stage Partial Glossectomy. <i>Journal of Craniofacial Surgery</i> , 2013, 24, 554-556.	0.3	7
46	Evaluation of potency of panoramic radiography for estimating the position of maxillary impacted canines using 3D CT. <i>Korean Journal of Orthodontics</i> , 2008, 38, 265.	0.8	6
47	Does maxillary yaw exist in patients with skeletal Class III facial asymmetry?. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 160, 573-587.	0.8	6
48	Qualitative and quantitative evaluation of root injury risk potentially burdening insertion of miniscrew implants. <i>Korean Journal of Orthodontics</i> , 2011, 41, 112.	0.8	5
49	Micron-scale human enamel layer characterization after orthodontic bracket debonding by intensity-based layer segmentation in optical coherence tomography images. <i>Scientific Reports</i> , 2021, 11, 10831.	1.6	5
50	Current trends and clinical applications of optical coherence tomography in orthodontics: A literature review. <i>Dental and Medical Problems</i> , 2017, 54, 409-415.	0.7	3
51	Finite element analysis of peri-implant bone stresses induced by root contact of orthodontic microimplant. <i>Korean Journal of Orthodontics</i> , 2011, 41, 6.	0.8	3
52	Correlation between insertion torque and peri-implant bone strain during placement of orthodontic mini-implants: A finite element study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2022, 161, 248-254.	0.8	3
53	Ultimate anchorage control. <i>Texas Dental Journal</i> , 2002, 119, 580-91.	0.0	3
54	Surface characteristics and mechanical behavior of retrieved orthodontic microimplants. <i>Journal of Zhejiang University: Science B</i> , 2018, 19, 372-382.	1.3	2

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55	An efficient and noncompliant method for forced eruption with microimplants that is bracket free, and its long-term stability. <i>Journal of the American Dental Association</i> , 2019, 150, 369-377.	0.7	2
56	Considerations for vertical control with microimplants in a idiopathic condylar resorption patient: A case report. <i>Journal of Orthodontics</i> , 2021, 48, 172-182.	0.4	2
57	Treatment of severe mandibular deficiency following TMJ ankyloses by distraction osteogenesis and orthodontic treatment with microimplants. <i>Journal of Orthodontics</i> , 2021, , 146531252110598.	0.4	2
58	Partial Glossectomy for Asymmetric Tongue Enlargement in Beckwith-Wiedemann Syndrome. <i>Asian Journal of Oral and Maxillofacial Surgery</i> , 2005, 17, 190-194.	0.1	1
59	The Use of Microimplants in Orthodontics. , 2010, , 291-300.		1
60	Micro-Implanted-Anchorage Safety: Cortical Bone Thickness in the Maxillary Posterior Region of Skeletal Class II Malocclusion. <i>International Journal of Morphology</i> , 2018, 36, 1002-1006.	0.1	1
61	Direct and indirect bonding of wire retainers to bovine enamel using three resin systems: shear bond strength comparisons. <i>Korean Journal of Orthodontics</i> , 2011, 41, 447.	0.8	1
62	Forced eruption of a labially impacted canine using joined micro-implants. <i>Journal of Clinical Orthodontics: JCO</i> , 2010, 44, 108-113; quiz 106.	0.1	1
63	Anatomical Limits for Distalization of Lower Posterior Molars with Micro-Implant Anchorage. <i>Journal of Clinical Orthodontics: JCO</i> , 2019, 53, 305-313.	0.1	1
64	Enamel loss by prophylaxis and etching treatment in human tooth analyzed using optical coherence tomography- An in vitro study. , 2018, , .		0
65	Author's response. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018, 154, 319-320.	0.8	0
66	Estimation of the prevalence of malocclusion on the basis of nationwide oral health examinations of pre-adolescent and adolescent students during 2012â€“2017. <i>Korean Journal of Orthodontics</i> , 2020, 50, 197-205.	0.8	0
67	Long-term evaluation of factors affecting removal torque of microimplants. <i>Progress in Orthodontics</i> , 2021, 22, 42.	1.3	0
68	Delayed Extraction of the Mesial First-Molar Root as a Means of Accelerating Space Closure. <i>Journal of Clinical Orthodontics: JCO</i> , 2019, 53, 470-478.	0.1	0
69	Influence of late removal after treatment on the removal torque of microimplants. <i>Korean Journal of Orthodontics</i> , 2022, , .	0.8	0