

Chung Ju Hwang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8628844/chung-ju-hwang-publications-by-citations.pdf>

Version: 2024-04-18

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

1,717
citations

21
h-index

36
g-index

117
ext. papers

2,064
ext. citations

2.2
avg. IF

4.93
L-index

#	Paper	IF	Citations
115	Insertion torque of orthodontic miniscrews according to changes in shape, diameter and length. <i>Angle Orthodontist</i> , 2008 , 78, 234-40	2.6	136
114	Precision and trueness of dental models manufactured with different 3-dimensional printing techniques. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018 , 153, 144-153	2.1	117
113	Metal release from simulated fixed orthodontic appliances. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2001 , 120, 383-91	2.1	108
112	Miniscrew stability evaluated with computerized tomography scanning. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010 , 137, 73-9	2.1	73
111	Mechanical characteristics of various orthodontic mini-screws in relation to artificial cortical bone thickness. <i>Angle Orthodontist</i> , 2007 , 77, 979-85	2.6	72
110	A simple classification of facial asymmetry by TML system. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014 , 42, 313-20	3.6	51
109	Corrosion resistance of titanium-silver alloys in an artificial saliva containing fluoride ions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005 , 73, 252-9	3.5	47
108	Impact of malocclusion and common oral diseases on oral health-related quality of life in young adults. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015 , 147, 587-95	2.1	41
107	Displacement pattern of the maxillary arch depending on miniscrew position in sliding mechanics. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011 , 140, 224-32	2.1	41
106	Mechanical and biological comparison of latex and silicone rubber bands. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2003 , 124, 379-86	2.1	41
105	Time-dependent effects of ultraviolet and nonthermal atmospheric pressure plasma on the biological activity of titanium. <i>Scientific Reports</i> , 2016 , 6, 33421	4.9	34
104	Comparison of virtual and manual tooth setups with digital and plaster models in extraction cases. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014 , 145, 434-42	2.1	34
103	Effect of silver addition on the properties of nickel-titanium alloys for dental application. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 76, 306-14	3.5	33
102	Effect of malocclusion severity on oral health-related quality of life and food intake ability in a Korean population. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016 , 149, 384-90	2.1	32
101	Friction of conventional and silica-insert ceramic brackets in various bracket-wire combinations. <i>Angle Orthodontist</i> , 2007 , 77, 100-7	2.6	30
100	Lateral cephalometric characteristics of malocclusion patients with temporomandibular joint disorder symptoms. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2006 , 129, 497-503	2.1	29
99	Stability of Pre-Orthodontic Orthognathic Surgery Using Intraoral Vertical Ramus Osteotomy Versus Conventional Treatment. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016 , 74, 610-9	1.8	25

98	Overcoming the biological aging of titanium using a wet storage method after ultraviolet treatment. <i>Scientific Reports</i> , 2017 , 7, 3833	4.9	23
97	Bioactive resin-based composite with surface pre-reacted glass-ionomer filler and zwitterionic material to prevent the formation of multi-species biofilm. <i>Dental Materials</i> , 2019 , 35, 1331-1341	5.7	23
96	A comparison of tapered and cylindrical miniscrew stability. <i>European Journal of Orthodontics</i> , 2014 , 36, 557-62	3.3	23
95	Accuracy of miniscrew surgical guides assessed from cone-beam computed tomography and digital models. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013 , 143, 893-901	2.1	21
94	The effect of miniscrew taper morphology on insertion and removal torque in dogs. <i>International Journal of Oral and Maxillofacial Implants</i> , 2010 , 25, 777-83	2.8	21
93	Orthodontic treatment with growth hormone therapy in a girl of short stature. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2004 , 126, 118-26	2.1	20
92	Novel anti-biofouling bioactive calcium silicate-based cement containing 2-methacryloyloxyethyl phosphorylcholine. <i>PLoS ONE</i> , 2019 , 14, e0211007	3.7	19
91	Effect of wet storage on the bioactivity of ultraviolet light- and non-thermal atmospheric pressure plasma-treated titanium and zirconia implant surfaces. <i>Materials Science and Engineering C</i> , 2019 , 105, 110049	8.3	19
90	Maxillomandibular arch width differences at estimated centers of resistance: Comparison between normal occlusion and skeletal Class III malocclusion. <i>Korean Journal of Orthodontics</i> , 2017 , 47, 167-175	1.4	19
89	Resin bonding of metal brackets to glazed zirconia with a porcelain primer. <i>Korean Journal of Orthodontics</i> , 2015 , 45, 299-307	1.4	19
88	Comparison of success rates of orthodontic mini-screws by the insertion method. <i>Korean Journal of Orthodontics</i> , 2012 , 42, 242-8	1.4	19
87	Effect of the ultraviolet light treatment and storage methods on the biological activity of a titanium implant surface. <i>Dental Materials</i> , 2017 , 33, 1426-1435	5.7	18
86	Novel anti-biofouling light-curable fluoride varnish containing 2-methacryloyloxyethyl phosphorylcholine to prevent enamel demineralization. <i>Scientific Reports</i> , 2019 , 9, 1432	4.9	18
85	Effect of Audiovisual Treatment Information on Relieving Anxiety in Patients Undergoing Impacted Mandibular Third Molar Removal. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 2087-92	1.8	16
84	Surface changes of anodic oxidized orthodontic titanium miniscrew. <i>Angle Orthodontist</i> , 2012 , 82, 522-8	2.6	16
83	Maxillary anterior segmental distraction osteogenesis with 2 different types of distractors. <i>Journal of Craniofacial Surgery</i> , 2012 , 23, 706-11	1.2	15
82	Skeletal maturation evaluation using mandibular third molar development in adolescents. <i>Korean Journal of Orthodontics</i> , 2009 , 39, 120	1.4	14
81	Retrospective study of maxillary sinus dimensions and pneumatization in adult patients with an anterior open bite. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016 , 150, 796-801	2.1	13

80	A comparative study of frictional force in self-ligating brackets according to the bracket-archwire angulation, bracket material, and wire type. <i>Korean Journal of Orthodontics</i> , 2015 , 45, 13-9	1.4	13
79	Surface roughness of three types of modern plastic bracket slot floors and frictional resistance. <i>Angle Orthodontist</i> , 2014 , 84, 177-83	2.6	13
78	Insertion and removal torques according to orthodontic mini-screw design. <i>Korean Journal of Orthodontics</i> , 2008 , 38, 5	1.4	13
77	Predictors of midpalatal suture expansion by miniscrew-assisted rapid palatal expansion in young adults: A preliminary study. <i>Korean Journal of Orthodontics</i> , 2019 , 49, 360-371	1.4	13
76	Evaluation of the surface characteristics of anodic oxidized miniscrews and their impact on biomechanical stability: An experimental study in beagle dogs. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016 , 149, 31-8	2.1	12
75	Comparison of shear bond strength of orthodontic brackets using various zirconia primers. <i>Korean Journal of Orthodontics</i> , 2015 , 45, 164-70	1.4	12
74	Biologic stability of plasma ion-implanted miniscrews. <i>Korean Journal of Orthodontics</i> , 2013 , 43, 120-6	1.4	12
73	Debonding force and shear bond strength of an array of CAD/CAM-based customized orthodontic brackets, placed by indirect bonding- An In Vitro study. <i>PLoS ONE</i> , 2018 , 13, e0202952	3.7	12
72	Cone-beam computed tomography for the assessment of root-crown ratios of the maxillary and mandibular incisors in a Korean population. <i>Korean Journal of Orthodontics</i> , 2017 , 47, 39-49	1.4	11
71	The effect of casein phosphopeptide amorphous calcium phosphate on the in vitro shear bond strength of orthodontic brackets. <i>Korean Journal of Orthodontics</i> , 2013 , 43, 23-8	1.4	11
70	Strain of bone-implant interface and insertion torque regarding different miniscrew thread designs using an artificial bone model. <i>European Journal of Orthodontics</i> , 2015 , 37, 268-74	3.3	10
69	Changes in psychological health, subjective food intake ability and oral health-related quality of life during orthodontic treatment. <i>Journal of Oral Rehabilitation</i> , 2017 , 44, 860-869	3.4	10
68	Effect of labiolingual inclination of a maxillary central incisor and surrounding alveolar bone loss on periodontal stress: A finite element analysis. <i>Korean Journal of Orthodontics</i> , 2016 , 46, 155-62	1.4	10
67	Local injection of RANKL facilitates tooth movement and alveolar bone remodelling. <i>Oral Diseases</i> , 2019 , 25, 550-560	3.5	10
66	Evaluation of characteristics of the craniofacial complex and dental maturity in girls with central precocious puberty. <i>Angle Orthodontist</i> , 2018 , 88, 582-589	2.6	9
65	Adult patient with hemifacial microsomia treated with combined orthodontics and distraction osteogenesis. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014 , 145, 72-84	2.1	9
64	Comparison of frictional forces between aesthetic orthodontic coated wires and self-ligation brackets. <i>Korean Journal of Orthodontics</i> , 2014 , 44, 157-67	1.4	9
63	Comparison of mandibular anterior alveolar bone thickness in different facial skeletal types. <i>Korean Journal of Orthodontics</i> , 2010 , 40, 314	1.4	9

62	The effect of rotation moment on the stability of immediately loaded orthodontic miniscrews: a pilot study. <i>European Journal of Orthodontics</i> , 2010 , 32, 614-9	3.3	9
61	Effect of growth hormone treatment on craniofacial growth in children: Idiopathic short stature versus growth hormone deficiency. <i>Journal of the Formosan Medical Association</i> , 2017 , 116, 313-321	3.2	8
60	Surgical-orthodontic treatment for skeletal class II malocclusion with vertical maxillary excess, anterior open bite, and transverse maxillary deficiency. <i>Journal of Craniofacial Surgery</i> , 2012 , 23, e531-5	1.2	8
59	Stress distributions in peri-miniscrew areas from cylindrical and tapered miniscrews inserted at different angles. <i>Korean Journal of Orthodontics</i> , 2016 , 46, 189-98	1.4	8
58	Registration of digital dental models and cone-beam computed tomography images using 3-dimensional planning software: Comparison of the accuracy according to scanning methods and software. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2020 , 157, 843-851	2.1	7
57	Similarity index for intuitive assessment of three-dimensional facial asymmetry. <i>Scientific Reports</i> , 2019 , 9, 10959	4.9	7
56	The effect of fluoride-containing oral rinses on the corrosion resistance of titanium alloy (Ti-6Al-4V). <i>Korean Journal of Orthodontics</i> , 2017 , 47, 306-312	1.4	7
55	Quantitative analysis of mechanically retentive ceramic bracket base surfaces with a three-dimensional imaging system. <i>Angle Orthodontist</i> , 2013 , 83, 705-11	2.6	7
54	The effect of thickness and deflection of orthodontic thermoplastic materials on its mechanical properties. <i>Korean Journal of Orthodontics</i> , 2010 , 40, 16	1.4	7
53	Intraoral Vertical Ramus Osteotomy Results in Good Long-Term Mandibular Stability in Patients With Mandibular Prognathism and Anterior Open Bite. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016 , 74, 804-10	1.8	6
52	Surgical removal of asymptomatic impacted third molars: Considerations for orthodontists and oral surgeons. <i>Seminars in Orthodontics</i> , 2016 , 22, 75-83	1.2	6
51	Major factors contributing to anterior and posterior relapse after intraoral vertical ramus osteotomy. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016 , 44, 413-20	3.6	6
50	Severe skeletal Class III malocclusion treated with 2-stage orthognathic surgery with a mandibular step osteotomy. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014 , 145, S125-35	2.1	6
49	Unpredictability of soft tissue changes after camouflage treatment of Class II division 1 malocclusion with maximum anterior retraction using miniscrews. <i>Angle Orthodontist</i> , 2017 , 87, 230-238	2.6	6
48	Biologic evaluation of a hollow-type miniscrew implant: an experimental study in beagles. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014 , 145, 626-37	2.1	6
47	The validation of Periotest values for the evaluation of orthodontic mini-implants stability. <i>Korean Journal of Orthodontics</i> , 2010 , 40, 167	1.4	6
46	Analysis of masseter muscle in facial asymmetry before and after orthognathic surgery using 3-dimensional computed tomography. <i>Korean Journal of Orthodontics</i> , 2009 , 39, 18	1.4	6
45	Effects of Heat Treatment Conditions on the Mechanical Properties of Orthodontic Stainless Steel Wires. <i>Materials Transactions</i> , 2002 , 43, 3072-3077	1.3	6

44	The effects of alveolar bone loss and miniscrew position on initial tooth displacement during intrusion of the maxillary anterior teeth: Finite element analysis. <i>Korean Journal of Orthodontics</i> , 2016 , 46, 310-22	1.4	6
43	Subjective food intake ability related to oral health-related quality of life and psychological health. <i>Journal of Oral Rehabilitation</i> , 2016 , 43, 670-7	3.4	6
42	The 3-dimensional zone of the center of resistance of the mandibular posterior teeth segment. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019 , 156, 365-374	2.1	5
41	Diagnosis and evaluation of skeletal Class III patients with facial asymmetry for orthognathic surgery using three-dimensional computed tomography. <i>Seminars in Orthodontics</i> , 2015 , 21, 274-282	1.2	5
40	Accelerated Bone Formation in Distracted Alveolar Bone After Injection of Recombinant Human Bone Morphogenetic Protein-2. <i>Journal of Periodontology</i> , 2015 , 86, 1078-86	4.6	5
39	Changes in the craniofacial complex and alveolar bone height of young adults: Applications to dental medicine. <i>Clinical Anatomy</i> , 2016 , 29, 1011-1017	2.5	5
38	Evaluation of skeletal maturity in the cervical vertebrae and hand-wrist in relation to vertical facial types. <i>Korean Journal of Orthodontics</i> , 2019 , 49, 319-325	1.4	5
37	Evaluations of the tongue and hyoid bone positions and pharyngeal airway dimensions after maxillary protraction treatment. <i>Cranio - Journal of Craniomandibular Practice</i> , 2019 , 37, 214-222	1.2	5
36	Scanning Accuracy of Bracket Features and Slot Base Angle in Different Bracket Materials by Four Intraoral Scanners: An In Vitro Study. <i>Materials</i> , 2021 , 14,	3.5	5
35	Loss of Sirtuin 6 in osteoblast lineage cells activates osteoclasts, resulting in osteopenia. <i>Bone</i> , 2020 , 138, 115497	4.7	4
34	Effects of recycling on the biomechanical characteristics of retrieved orthodontic miniscrews. <i>Korean Journal of Orthodontics</i> , 2017 , 47, 238-247	1.4	4
33	In vitro physical, chemical, and biological evaluation of commercially available metal orthodontic brackets. <i>Korean Journal of Orthodontics</i> , 2012 , 42, 297-306	1.4	4
32	Corrosion of Orthodontic Wires According to Heat Treatment Conditions. <i>Materials Transactions</i> , 2002 , 43, 3078-3082	1.3	4
31	In Vitro Corrosion Resistance of Orthodontic Super Stainless Steel Wire. <i>Journal of the Electrochemical Society</i> , 2002 , 149, B414	3.9	4
30	Clinical applications of miniscrews that broaden the scope of non-surgical orthodontic treatment. <i>Orthodontics and Craniofacial Research</i> , 2021 , 24 Suppl 1, 48-58	3	4
29	Effects of prestretch on stress relaxation and permanent deformation of orthodontic synthetic elastomeric chains. <i>Korean Journal of Orthodontics</i> , 2018 , 48, 384-394	1.4	4
28	Histomorphometric evaluation of the bone surrounding orthodontic miniscrews according to their adjacent root proximity. <i>Korean Journal of Orthodontics</i> , 2018 , 48, 283-291	1.4	4
27	Patterns of medical accidents and disputes in the orthodontic field in Korea. <i>Korean Journal of Orthodontics</i> , 2014 , 44, 5-12	1.4	3

26	Cytotoxicity Comparison of the Nanoparticles Deposited on Latex Rubber Bands between the Original and Stretched State. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-12	3.2	3
25	The effect of growth hormone treatment on craniofacial growth in short stature children. <i>Korean Journal of Orthodontics</i> , 2010 , 40, 227	1.4	3
24	Effect of metal primer and thermocycling on shear bonding strength between the orthodontic bracket and gold alloy. <i>Korean Journal of Orthodontics</i> , 2009 , 39, 320	1.4	3
23	Is There a Difference in Stability After Intraoral Vertical Ramus Osteotomy Between Vertically High-Angle and Normal-Angle Patients?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016 , 74, 2252-2260	1.8	3
22	Analysis of the Morphological Characteristics of the Palatal Rugae for Three-Dimensional Superimposition of Digital Models in Korean Subjects. <i>BioMed Research International</i> , 2018 , 2018, 39369-39378	1.8	3
21	Comparison of three midsagittal planes for three-dimensional cone beam computed tomography head reorientation. <i>Korean Journal of Orthodontics</i> , 2020 , 50, 3-12	1.4	2
20	Evaluation of cephalometric characteristics and skeletal maturation of the cervical vertebrae and hand-wrist in girls with central precocious puberty. <i>Korean Journal of Orthodontics</i> , 2020 , 50, 181-187	1.4	2
19	The influence of age on lip-line cant in adults: a cross-sectional study. <i>Korean Journal of Orthodontics</i> , 2016 , 46, 81-6	1.4	2
18	Biomechanical characteristics of self-ligating brackets in a vertically displaced canine model: a finite element analysis. <i>Orthodontics and Craniofacial Research</i> , 2016 , 19, 102-13	3	2
17	Evaluation of success rate and biomechanical stability of ultraviolet-photofunctionalized miniscrews with short lengths. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021 , 159, 158-166	2.1	2
16	Differences in soft-tissue thickness changes after bimaxillary surgery between patients with vertically high angle and normal angle. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021 , 159, 30-40	2.1	2
15	Factors Affecting the Failure of TADs and Efforts to Improve the Biomechanical Stability of TADs 2020 , 61-67		1
14	Long-Term Stability of Pre-Orthodontic Orthognathic Bimaxillary Surgery Using Intraoral Vertical Ramus Osteotomy Versus Conventional Surgery. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018 , 76, 1753-1762	1.8	1
13	Orthognathic treatment with autotransplantation of a third molar. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013 , 144, 737-47	2.1	1
12	Interdisciplinary treatment for an adult patient with anterior open bite, severe periodontitis, and intellectual disability. <i>Journal of Craniofacial Surgery</i> , 2015 , 26, e240-4	1.2	1
11	Non-extraction treatment in Class III malocclusion by using improved superelastic NiTi wire. <i>Korean Journal of Orthodontics</i> , 2011 , 41, 297	1.4	1
10	Antifibrotic effects of sulforaphane treatment on gingival elasticity reduces orthodontic relapse after rotational tooth movement in beagle dogs. <i>Korean Journal of Orthodontics</i> , 2020 , 50, 391-400	1.4	1
9	Tissue-specific biomarkers in gingival crevicular fluid are correlated with external root resorption caused by constant mechanical load: an in vivo study. <i>Clinical Oral Investigations</i> , 2021 , 25, 6321-6333	4.2	1

8	Effect of nicotine on orthodontic tooth movement and bone remodeling in rats. <i>Korean Journal of Orthodontics</i> , 2021 , 51, 282-292	1.4	1
7	Outcomes of early versus late treatment of severe Class II high-angle patients. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019 , 156, 375-382	2.1	0
6	In Vitro Corrosion Resistance of Orthodontic Super Stainless Steel Wire. <i>Journal of the Electrochemical Society</i> , 2002 , 149, B387	3.9	0
5	Surgical treatment of a skeletal Class III patient using customized brackets based on the CAD/CAM virtual orthodontic system. <i>Angle Orthodontist</i> , 2021 , 91, 692-704	2.6	0
4	Changes in pulpal blood flow during orthodontic tooth movement studied by Doppler ultrasound. <i>Korean Journal of Orthodontics</i> , 2009 , 39, 372	1.4	
3	Differences in the perception of needs and demands for orthodontic treatment between Koreans and Japanese Part of this study was presented at the 65th Annual meeting of the Japanese Orthodontic Society, Sapporo, Japan, September 13-15, 2006. View all notes. <i>Orthodontic Waves</i> , 2007 , 46, 8-11	0.2	
2	Correlation Analysis between Three-Dimensional Changes in Pharyngeal Airway Space and Skeletal Changes in Patients with Skeletal Class II Malocclusion following Orthognathic Surgery.. <i>BioMed Research International</i> , 2022 , 2022, 3995690	3	
1	Late-forming supernumerary teeth. <i>Journal of Clinical Orthodontics: JCO</i> , 2004 , 38, 656-9; quiz 671-2	0.2	