

Jung-Yul Cha

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

2,367
citations

318942

23
h-index

263392

45
g-index

104
all docs

104
docs citations

104
times ranked

2256
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivalent network modifier upregulates bioactivity of multispecies biofilm-resistant polyalkenoate cement. <i>Bioactive Materials</i> , 2022, 14, 219-233.	8.6	7
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, 1-15.	0.9	2
3	Comparison of soft tissue changes between incisor tipping and translation after premolar extraction. <i>Korean Journal of Orthodontics</i> , 2022, 52, 42-52.	0.8	7
4	Stability of the Maxillary and Mandibular Total Arch Distalization Using Temporary Anchorage Devices (TADs) in Adults. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2898.	1.3	8
5	Thermo-mechanical properties of 3D printed photocurable shape memory resin for clear aligners. <i>Scientific Reports</i> , 2022, 12, 6246.	1.6	31
6	Foreign body aspiration and ingestion in dental clinic: a seven-year retrospective study. <i>Journal of Dental Anesthesia and Pain Medicine</i> , 2022, 22, 187.	0.4	1
7	Accuracy and efficiency of automatic tooth segmentation in digital dental models using deep learning. <i>Scientific Reports</i> , 2022, 12, .	1.6	13
8	Accuracy of 3-dimensional printed bracket transfer tray using an in-office indirect bonding system. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2022, 162, 93-102.e1.	0.8	2
9	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.	0.8	4
10	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.	0.8	8
11	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, 365.	1.3	17
12	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.	1.1	1
13	Stability and success rate of dual-thread miniscrews:. <i>Angle Orthodontist</i> , 2021, 91, 509-514.	1.1	13
14	Effect of nicotine on orthodontic tooth movement and bone remodeling in rats. <i>Korean Journal of Orthodontics</i> , 2021, 51, 282-292.	0.8	3
15	The effect of genetic polymorphisms on treatment duration following premolar extraction. <i>Scientific Reports</i> , 2021, 11, 15942.	1.6	1
16	Effectiveness of remote monitoring and feedback on objective compliance with a mandibular advancement device for treatment of obstructive sleep apnea. <i>Journal of Sleep Research</i> , 2021, , e13508.	1.7	3
17	Changes in Cellular Regulatory Factors before and after Decompression of Odontogenic Keratocysts. <i>Journal of Clinical Medicine</i> , 2021, 10, 30.	1.0	6
18	Camouflage treatment for skeletal Class III patient with facial asymmetry using customized bracket based on CAD/CAM virtual orthodontic system:. <i>Angle Orthodontist</i> , 2020, 90, 607-618.	1.1	10

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19	Effect of Cyclic Compressive Forces on New Bone Formation during the Distraction Period in Mandibular Distraction Osteogenesis Using a Microactuator-Generated Distractor. <i>Plastic and Reconstructive Surgery</i> , 2020, 146, 783-791.	0.7	6
20	Simulation of miniscrew-root distance available for molar distalization depending on the miniscrew insertion angle and vertical facial type. <i>PLoS ONE</i> , 2020, 15, e0239759.	1.1	7
21	Changes in tribological and antibacterial properties of poly(methyl methacrylate)-based 3D-printed intra-oral appliances by incorporating nanodiamonds. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 110, 103992.	1.5	25
22	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.	0.8	12
23	Title is missing!. , 2020, 15, e0239759.		0
24	Title is missing!. , 2020, 15, e0239759.		0
25	Title is missing!. , 2020, 15, e0239759.		0
26	Title is missing!. , 2020, 15, e0239759.		0
27	Title is missing!. , 2020, 15, e0239759.		0
28	Title is missing!. , 2020, 15, e0239759.		0
29	Effect of archwire stiffness and friction on maxillary posterior segment displacement during anterior segment retraction: A three-dimensional finite element analysis. <i>Korean Journal of Orthodontics</i> , 2019, 49, 393.	0.8	7
30	Three-dimensional comparison of 2 digital models obtained from cone-beam computed tomographic scans of polyvinyl siloxane impressions and plaster models. <i>Imaging Science in Dentistry</i> , 2019, 49, 257.	0.6	8
31	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.	0.8	202
32	Effects of prestretch on stress relaxation and permanent deformation of orthodontic synthetic elastomeric chains. <i>Korean Journal of Orthodontics</i> , 2018, 48, 384.	0.8	8
33	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, 1-7.	0.9	8
34	Histomorphometric evaluation of the bone surrounding orthodontic miniscrews according to their adjacent root proximity. <i>Korean Journal of Orthodontics</i> , 2018, 48, 283.	0.8	7
35	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.	1.1	17
36	Treatment satisfaction and its influencing factors among adult orthodontic patients. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018, 153, 808-817.	0.8	29

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37	Model Analysis of Digital Models in Moderate to Severe Crowding: In Vivo Validation and Clinical Application. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	19
38	Overcoming the biological aging of titanium using a wet storage method after ultraviolet treatment. <i>Scientific Reports</i> , 2017, 7, 3833.	1.6	28
39	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.	1.6	23
40	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.	1.1	14
41	Skeletal and dentoalveolar changes after miniscrew-assisted rapid palatal expansion in young adults: A cone-beam computed tomography study. <i>Korean Journal of Orthodontics</i> , 2017, 47, 77.	0.8	108
42	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.	0.8	9
43	Comparison of changes in the transverse dental axis between patients with skeletal Class III malocclusion and facial asymmetry treated by orthognathic surgery with and without presurgical orthodontic treatment. <i>Korean Journal of Orthodontics</i> , 2017, 47, 256.	0.8	13
44	Effects of recycling on the biomechanical characteristics of retrieved orthodontic miniscrews. <i>Korean Journal of Orthodontics</i> , 2017, 47, 238.	0.8	6
45	Five-year investigation of a large orthodontic patient population at a dental hospital in South Korea. <i>Korean Journal of Orthodontics</i> , 2016, 46, 137.	0.8	43
46	Three-dimensional finite element analysis of unilateral mastication in malocclusion cases using cone-beam computed tomography and a motion capture system. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 96.	0.9	4
47	Subjective food intake ability related to oral health-related quality of life and psychological health. <i>Journal of Oral Rehabilitation</i> , 2016, 43, 670-677.	1.3	10
48	Changes in the craniofacial complex and alveolar bone height of young adults: Applications to dental medicine. <i>Clinical Anatomy</i> , 2016, 29, 1011-1017.	1.5	6
49	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.	0.5	6
50	Time-dependent effects of ultraviolet and nonthermal atmospheric pressure plasma on the biological activity of titanium. <i>Scientific Reports</i> , 2016, 6, 33421.	1.6	43
51	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.	0.8	23
52	Major factors contributing to anterior and posterior relapse after intraoral vertical ramus osteotomy. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 413-420.	0.7	8
53	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, 384-390.	0.8	46
54	Nonsurgical miniscrew-assisted rapid maxillary expansion results in acceptable stability in young adults. <i>Angle Orthodontist</i> , 2016, 86, 713-720.	1.1	133

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55	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, 31-38.	0.8	21
56	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, 804-810.	0.5	8
57	Premaxillary Distraction Osteogenesis Using an Intraoral Appliance for Unilateral Cleft Lip and Palate: Case Report. <i>Cleft Palate-Craniofacial Journal</i> , 2015, 52, 95-102.	0.5	5
58	A three-dimensional finite element analysis of the relationship between masticatory performance and skeletal malocclusion. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 8.	0.9	5
59	Accelerated Bone Formation in Distracted Alveolar Bone After Injection of Recombinant Human Bone Morphogenetic Protein-2. <i>Journal of Periodontology</i> , 2015, 86, 1078-1086.	1.7	9
60	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, 268-274.	1.1	16
61	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, 587-595.	0.8	59
62	Perioral soft tissue evaluation of skeletal Class II Division 1: A lateral cephalometric study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015, 148, 405-413.	0.8	16
63	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, 2087-2092.	0.5	27
64	Comparison of frictional forces between aesthetic orthodontic coated wires and self-ligation brackets. <i>Korean Journal of Orthodontics</i> , 2014, 44, 157.	0.8	18
65	A comparison of tapered and cylindrical miniscrew stability. <i>European Journal of Orthodontics</i> , 2014, 36, 557-562.	1.1	30
66	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, 434-442.	0.8	46
67	Biologic evaluation of a hollow-type miniscrew implant: An experimental study in beagles. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014, 145, 626-637.	0.8	7
68	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.	0.8	51
69	Quantitative analysis of mechanically retentive ceramic bracket base surfaces with a three-dimensional imaging system. <i>Angle Orthodontist</i> , 2013, 83, 705-711.	1.1	9
70	Realization of Masticatory Movement by 3-Dimensional Simulation of the Temporomandibular Joint and the Masticatory Muscles. <i>Journal of Craniofacial Surgery</i> , 2013, 24, e347-e351.	0.3	14
71	The effect of casein phosphopeptide amorphous calcium phosphate on their vitroshear bond strength of orthodontic brackets. <i>Korean Journal of Orthodontics</i> , 2013, 43, 23.	0.8	18
72	Biologic stability of plasma ion-implanted miniscrews. <i>Korean Journal of Orthodontics</i> , 2013, 43, 120.	0.8	18

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73	Surface changes of anodic oxidized orthodontic titanium miniscrew. Angle Orthodontist, 2012, 82, 522-528.	1.1	22
74	Maxillary Anterior Segmental Distraction Osteogenesis With 2 Different Types of Distractors. Journal of Craniofacial Surgery, 2012, 23, 706-711.	0.3	15
75	Surgical-Orthodontic Treatment for Skeletal Class II Malocclusion With Vertical Maxillary Excess, Anterior Open Bite, and Transverse Maxillary Deficiency. Journal of Craniofacial Surgery, 2012, 23, e531-e535.	0.3	9
76	Three-dimensional finite element analysis of the deformation of the human mandible: a preliminary study from the perspective of orthodontic mini-implant stability. Korean Journal of Orthodontics, 2012, 42, 159.	0.8	10
77	<i>In vitro</i> physical, chemical, and biological evaluation of commercially available metal orthodontic brackets. Korean Journal of Orthodontics, 2012, 42, 297.	0.8	5
78	Non-extraction treatment in Class III malocclusion by using improved superelastic NiTi wire. Korean Journal of Orthodontics, 2011, 41, 297.	0.8	1
79	Finite element analysis of effectiveness of lever arm in lingual sliding mechanics. Korean Journal of Orthodontics, 2011, 41, 324.	0.8	8
80	A Piezoelectric Motor-Based Microactuator-Generated Distractor for Continuous Jaw Bone Distraction. Journal of Craniofacial Surgery, 2011, 22, 1486-1488.	0.3	10
81	Development of Distraction Osteogenesis Model of the Inferior Mandibular Border and Alveolar Bone. Journal of Craniofacial Surgery, 2011, 22, 715-719.	0.3	2
82	Total distalization of the maxillary arch in a patient with skeletal Class II malocclusion. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 139, 823-833.	0.8	39
83	Miniscrew stability evaluated with computerized tomography scanning. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, 73-79.	0.8	85
84	The effect of thickness and deflection of orthodontic thermoplastic materials on its mechanical properties. Korean Journal of Orthodontics, 2010, 40, 16.	0.8	16
85	The validation of Periotest values for the evaluation of orthodontic mini-implants' stability. Korean Journal of Orthodontics, 2010, 40, 167.	0.8	7
86	Comparison of mandibular anterior alveolar bone thickness in different facial skeletal types. Korean Journal of Orthodontics, 2010, 40, 314.	0.8	12
87	The effect of rotation moment on the stability of immediately loaded orthodontic miniscrews: a pilot study. European Journal of Orthodontics, 2010, 32, 614-619.	1.1	12
88	The effect of miniscrew taper morphology on insertion and removal torque in dogs. International Journal of Oral and Maxillofacial Implants, 2010, 25, 777-83.	0.6	22
89	Changes in pulpal blood flow during orthodontic tooth movement studied by Doppler ultrasound. Korean Journal of Orthodontics, 2009, 39, 372.	0.8	0
90	Effect of metal primer and thermocycling on shear bonding strength between the orthodontic bracket and gold alloy. Korean Journal of Orthodontics, 2009, 39, 320.	0.8	3

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91	Influence of the length of the loading period after placement of orthodontic mini-implants on changes in bone histomorphology: microcomputed tomographic and histologic analysis. International Journal of Oral and Maxillofacial Implants, 2009, 24, 842-9.	0.6	20
92	Insertion Torque of Orthodontic Miniscrews According to Changes in Shape, Diameter and Length. Angle Orthodontist, 2008, 78, 234-240.	1.1	160
93	The effect of loading time on the stability of mini-implant. Korean Journal of Orthodontics, 2008, 38, 149.	0.8	8
94	Insertion and removal torques according to orthodontic mini-screw design. Korean Journal of Orthodontics, 2008, 38, 5.	0.8	14
95	Labial and buccal surface contours of Korean normal occlusion in a three-dimensional digital model. Korean Journal of Orthodontics, 2008, 38, 95.	0.8	4
96	Application and effects of condylectomy in asymmetric patients with condylar hyperplasia. Korean Journal of Orthodontics, 2008, 38, 437.	0.8	0
97	Friction of Conventional and Silica-Insert Ceramic Brackets in Various Bracket-Wire Combinations. Angle Orthodontist, 2007, 77, 100-107.	1.1	39
98	Mechanical Characteristics of Various Orthodontic Mini-screws in Relation to Artificial Cortical Bone Thickness. Angle Orthodontist, 2007, 77, 979-985.	1.1	84
99	Incidental findings in the maxillofacial area with 3-dimensional cone-beam imaging. American Journal of Orthodontics and Dentofacial Orthopedics, 2007, 132, 7-14.	0.8	162
100	Orthodontic treatment with growth hormone therapy in a girl of short stature. American Journal of Orthodontics and Dentofacial Orthopedics, 2004, 126, 118-126.	0.8	22
101	Mechanical and biological comparison of latex and silicone rubber bands. American Journal of Orthodontics and Dentofacial Orthopedics, 2003, 124, 379-386.	0.8	56
102	Metal release from simulated fixed orthodontic appliances. American Journal of Orthodontics and Dentofacial Orthopedics, 2001, 120, 383-391.	0.8	128