

# Yong-Il Kim

## List of Publications by Year in descending order

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108  
papers

1,563  
citations

361045

20  
h-index

395343

33  
g-index

109  
all docs

109  
docs citations

109  
times ranked

1689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cone-beam computed tomography evaluation of short- and long-term airway change and stability after orthognathic surgery in patients with Class III skeletal deformities: bimaxillary surgery and mandibular setback surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2012, 41, 87-93.	0.7	102
2	The assessment of the short- and long-term changes in the condylar position following sagittal split ramus osteotomy (SSRO) with rigid fixation. <i>Journal of Oral Rehabilitation</i> , 2010, 37, 262-270.	1.3	80
3	Effect of Bimaxillary Surgery on Adaptive Condylar Head Remodeling: Metric Analysis and Image Interpretation Using Cone-Beam Computed Tomography Volume Superimposition. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012, 70, 1951-1959.	0.5	80
4	Cone-beam computerized tomography evaluation of condylar changes and stability following two-jaw surgery: Le Fort I osteotomy and mandibular setback surgery with rigid fixation. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011, 111, 681-687.	1.6	78
5	Effect of pore size in bone regeneration using polydopamine- $\epsilon$ -faced hydroxyapatite collagen calcium silicate scaffolds fabricated by 3D mould printing technology. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 127-133.	1.2	56
6	Enamel Anti-Demineralization Effect of Orthodontic Adhesive Containing Bioactive Glass and Graphene Oxide: An In-Vitro Study. <i>Materials</i> , 2018, 11, 1728.	1.3	40
7	Common polymorphisms in WNT10A affect tooth morphology as well as hair shape. <i>Human Molecular Genetics</i> , 2015, 24, 2673-2680.	1.4	39
8	Anterior condylar remodeling observed in stabilization splint therapy for temporomandibular joint osteoarthritis. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 118, 363-370.	0.2	38
9	Quantitative evaluation of midpalatal suture maturation via fractal analysis. <i>Korean Journal of Orthodontics</i> , 2016, 46, 323.	0.8	38
10	Dentin sealing and antibacterial effects of silver-doped bioactive glass/mesoporous silica nanocomposite: an in vitro study. <i>Clinical Oral Investigations</i> , 2019, 23, 253-266.	1.4	38
11	Midfacial Soft-Tissue Changes After Advancement of Maxilla With Le Fort I Osteotomy and Mandibular Setback Surgery: Comparison of Conventional and High Le Fort I Osteotomies by Superimposition of Cone-Beam Computed Tomography Volumes. <i>Journal of Oral and Maxillofacial Surgery</i> , 2011, 69, e225-e233.	0.5	33
12	Fluorinated Bioactive Glass Nanoparticles: Enamel Demineralization Prevention and Antibacterial Effect of Orthodontic Bonding Resin. <i>Materials</i> , 2019, 12, 1813.	1.3	33
13	Cone-beam computed tomographic evaluation of the condylar remodeling occurring after mandibular set-back by bilateral sagittal split ramus osteotomy and rigid fixation. <i>Korean Journal of Orthodontics</i> , 2013, 43, 263.	0.8	31
14	Midfacial soft-tissue changes after mandibular setback surgery with or without paranasal augmentation: Cone-beam computed tomography (CBCT) volume superimposition. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2013, 41, 119-123.	0.7	29
15	Statistical shape analysis-based determination of optimal midsagittal reference plane for evaluation of facial asymmetry. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016, 150, 252-260.	0.8	29
16	Pharyngeal airway evaluation after isolated mandibular setback surgery using cone-beam computed tomography. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018, 153, 46-53.	0.8	29
17	The Effect of Mesoporous Bioactive Glass Nanoparticles/Graphene Oxide Composites on the Differentiation and Mineralization of Human Dental Pulp Stem Cells. <i>Nanomaterials</i> , 2020, 10, 620.	1.9	26
18	Effect of different sizes of bioactive glass-coated mesoporous silica nanoparticles on dentinal tubule occlusion and mineralization. <i>Clinical Oral Investigations</i> , 2019, 23, 2129-2141.	1.4	25

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19	Antibacterial and remineralization effects of orthodontic bonding agents containing bioactive glass. Korean Journal of Orthodontics, 2018, 48, 163.	0.8	24
20	Effects of Poly(Amidoamine) Dendrimer-Coated Mesoporous Bioactive Glass Nanoparticles on Dentin Remineralization. Nanomaterials, 2019, 9, 591.	1.9	24
21	Quantitative skeletal maturation estimation using cone-beam computed tomography-generated cervical vertebral images: a pilot study in 5- to 18-year-old Japanese children. Clinical Oral Investigations, 2015, 19, 2133-2140.	1.4	22
22	Comparison of masticatory efficiency according to Angle's classification of malocclusion. Korean Journal of Orthodontics, 2017, 47, 151.	0.8	21
23	Comprehensive genetic exploration of selective tooth agenesis of mandibular incisors by exome sequencing. Human Genome Variation, 2017, 4, 17005.	0.4	20
24	Three-Dimensional Analysis of Midfacial Soft Tissue Changes According to Maxillary Superior Movement After Horizontal Osteotomy of the Maxilla. Journal of Craniofacial Surgery, 2010, 21, 1587-1590.	0.3	19
25	Proximal Segment Changes After Bilateral Sagittal Split Ramus Osteotomy in Facial Asymmetry Patients. Journal of Oral and Maxillofacial Surgery, 2015, 73, 1592-1605.	0.5	19
26	Effect of occlusal vertical dimension changes on postsurgical skeletal changes in a surgery-first approach for skeletal Class III deformities. American Journal of Orthodontics and Dentofacial Orthopedics, 2014, 146, 612-619.	0.8	18
27	Remineralization Property of an Orthodontic Primer Containing a Bioactive Glass with Silver and Zinc. Materials, 2017, 10, 1253.	1.3	18
28	Enamel Surface Remineralization Effect by Fluorinated Graphite and Bioactive Glass-Containing Orthodontic Bonding Resin. Materials, 2019, 12, 1308.	1.3	18
29	A genome-wide association study of third molar agenesis in Japanese and Korean populations. Journal of Human Genetics, 2013, 58, 799-803.	1.1	17
30	Age estimation using the maxillary canine pulp/tooth ratio in Korean adults: A CBCT buccolingual and horizontal section image analysis. Journal of Forensic Radiology and Imaging, 2017, 9, 1-5.	1.2	17
31	The relationship between condyle position, morphology and chin deviation in skeletal Class III patients with facial asymmetry using cone-beam CT. Korean Journal of Orthodontics, 2011, 41, 87.	0.8	16
32	Effect of stabilization splint therapy on glenoid fossa remodeling in temporomandibular joint osteoarthritis. Journal of Prosthodontic Research, 2016, 60, 301-307.	1.1	16
33	Assessment of the root apex position of impacted maxillary canines on panoramic films. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 152, 489-493.	0.8	15
34	Mesoporous Bioactive Glass Combined with Graphene Oxide Quantum Dot as a New Material for a New Treatment Option for Dentin Hypersensitivity. Nanomaterials, 2020, 10, 621.	1.9	15
35	Axial cervical vertebrae-based multivariate regression model for the estimation of skeletal maturation status. Orthodontics and Craniofacial Research, 2014, 17, 187-196.	1.2	14
36	Quantitative Assessment of Cervical Vertebral Maturation Using Cone Beam Computed Tomography in Korean Girls. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-9.	0.7	14

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37	Concentrations of CTX I, CTX II, DPD, and PYD in the urine as a biomarker for the diagnosis of temporomandibular joint osteoarthritis: A preliminary study. <i>Cranio - Journal of Craniomandibular Practice</i> , 2017, 36, 1-7.	0.6	14
38	Cervical Vertebral Body's Volume as a New Parameter for Predicting the Skeletal Maturation Stages. <i>BioMed Research International</i> , 2016, 2016, 1-7.	0.9	13
39	Effects of Zn-Doped Mesoporous Bioactive Glass Nanoparticles in Etch-and-Rinse Adhesive on the Microtensile Bond Strength. <i>Nanomaterials</i> , 2020, 10, 1943.	1.9	13
40	Effect of Remineralized Collagen on Dentin Bond Strength through Calcium Phosphate Ion Clusters or Metastable Calcium Phosphate Solution. <i>Nanomaterials</i> , 2020, 10, 2203.	1.9	13
41	Correlation between skeletal and dental changes after mandibular setback surgery-first orthodontic treatment: Cone-beam computed tomography-generated half-cephalograms. <i>Korean Journal of Orthodontics</i> , 2015, 45, 59.	0.8	12
42	Application of statistical shape analysis for the estimation of bone and forensic age using the shapes of the 2nd, 3rd, and 4th cervical vertebrae in a young Japanese population. <i>Forensic Science International</i> , 2015, 257, 513.e1-513.e9.	1.3	12
43	In Vitro Effect of Gallium-Doped Bioactive Glass on Enamel Anti-Demineralization and Bond Strength of Orthodontic Resins. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4918.	1.3	12
44	Anti-Microbial and Remineralizing Properties of Self-Adhesive Orthodontic Resin Containing Mesoporous Bioactive Glass. <i>Materials</i> , 2021, 14, 3550.	1.3	12
45	Correlation between menton deviation and dental compensation in facial asymmetry using cone-beam CT. <i>Korean Journal of Orthodontics</i> , 2009, 39, 300.	0.8	11
46	Effects of microsurface structure of bioactive nanoparticles on dentinal tubules as a dentin desensitizer. <i>PLoS ONE</i> , 2020, 15, e0237726.	1.1	11
47	Physicochemical and Biological Properties of Mg-Doped Calcium Silicate Endodontic Cement. <i>Materials</i> , 2021, 14, 1843.	1.3	11
48	Contribution of FGFR1 Variants to Craniofacial Variations in East Asians. <i>PLoS ONE</i> , 2017, 12, e0170645.	1.1	11
49	Three-dimensional analysis of dental decompensation for skeletal Class III malocclusion on the basis of vertical skeletal patterns obtained using cone-beam computed tomography. <i>Korean Journal of Orthodontics</i> , 2012, 42, 227.	0.8	10
50	Effect of intended manual condylar positioning on skeletal and dental changes in Skeletal Class III deformities: CBCT-generated Half-Cephalograms. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, 7-12.	0.7	10
51	Association between brain lateralization and mixing ability of chewing side. <i>Journal of Dental Sciences</i> , 2017, 12, 133-138.	1.2	10
52	How far is the root apex of a unilateral impacted canine from the root apices' arch form?. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2017, 151, 351-356.	0.8	10
53	Pentraxin 3 Modulates the Inflammatory Response in Human Dental Pulp Cells. <i>Journal of Endodontics</i> , 2018, 44, 1826-1831.	1.4	10
54	Pentraxin-3 Modulates Osteogenic/Odontogenic Differentiation and Migration of Human Dental Pulp Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5778.	1.8	10

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55	Three-Dimensional Outcome Assessments of Cleft Lip and Palate Patients Undergoing Maxillary Advancement. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 1255e-1265e.	0.7	10
56	Synergetic Effect of 2-Methacryloyloxyethyl Phosphorylcholine and Mesoporous Bioactive Glass Nanoparticles on Antibacterial and Anti-Demineralisation Properties in Orthodontic Bonding Agents. <i>Nanomaterials</i> , 2020, 10, 1282.	1.9	10
57	Roles of autophagy in orthodontic tooth movement. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 582-593.	0.8	10
58	Anatomical relationship between the maxillary posterior teeth and the sinus floor according to an anterior overbite. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 160-165.	1.2	9
59	Pharyngeal airway analysis of different craniofacial morphology using cone-beam computed tomography (CBCT). <i>Korean Journal of Orthodontics</i> , 2009, 39, 136.	0.8	8
60	Evaluation of Intersegmental Displacement According to Osteosynthesis Method for Mandibular Setback Sagittal Split Ramus Osteotomy Using Cone-Beam Computed Tomographic Superimposition. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012, 70, 2893-2898.	0.5	8
61	Miniscrews versus surgical archwires for intermaxillary fixation in adults after orthognathic surgery. <i>Korean Journal of Orthodontics</i> , 2015, 45, 3.	0.8	8
62	Differences Among Deviations, Genders, and Observers in the Perception of Eye and Nose Asymmetry. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 1606-1614.	0.5	8
63	Application of fractal analysis of the midpalatal suture for estimation of pubertal growth spurts. <i>Oral Radiology</i> , 2017, 33, 199-203.	0.9	8
64	Cone-Beam Computed Tomography Evaluation of Pharyngeal Airway Space Changes After Bimaxillary Orthognathic Surgery in Patients With Class III Skeletal Deformities: A 6-Year Follow-Up Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019, 77, 2534-2544.	0.5	8
65	Effects of condylar head surface changes on mandibular position in patients with temporomandibular joint osteoarthritis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 1380-1383.	0.7	7
66	Analysis of the relationship between the morphology of the palate and facial skeletal patterns in Class <scp>III</scp> malocclusion using structural equation modelling. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 87-92.	1.2	7
67	Relationship between the maxillofacial skeletal pattern and the morphology of the mandibular symphysis: Structural equation modeling. <i>Korean Journal of Orthodontics</i> , 2019, 49, 170.	0.8	7
68	Morphologic changes of the incisive canal and its proximity to maxillary incisor roots after anterior tooth movement. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2022, 161, 396-403.e1.	0.8	7
69	A study of upper airway dimensional change according to maxillary superior movement after orthognathic surgery. <i>Korean Journal of Orthodontics</i> , 2008, 38, 121.	0.8	6
70	Long-term follow-up of intersegmental displacement after orthognathic surgery using cone-beam computed tomographic superimposition. <i>Angle Orthodontist</i> , 2020, 90, 548-555.	1.1	6
71	Skeletal Stability After Maxillary Posterior-Superior Movement for Skeletal Class III Deformities: Pterygoid Process Fracture Versus Removal. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 514-521.	0.5	5
72	The skeletal maturation status estimated by statistical shape analysis: axial images of Japanese cervical vertebra. <i>Dentomaxillofacial Radiology</i> , 2015, 44, 20140323.	1.3	5

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73	Interferon regulatory factor 6 variants affect nasolabial morphology in East Asian populations. <i>Archives of Oral Biology</i> , 2018, 85, 142-147.	0.8	5
74	Effect of orthodontic forces on the osteogenic differentiation of human periodontal ligament stem cells. <i>Journal of Oral Science</i> , 2018, 60, 438-445.	0.7	5
75	Coating Medpor® Implant with Tissue-Engineered Elastic Cartilage. <i>Journal of Functional Biomaterials</i> , 2020, 11, 34.	1.8	5
76	Dentin Biomodification with Flavonoids and Calcium Phosphate Ion Clusters to Improve Dentin Bonding Stability. <i>Materials</i> , 2022, 15, 1494.	1.3	5
77	Orthodontic treatment of an ankylosed tooth; application of single tooth osteotomy and alveolar bone distraction osteogenesis. <i>Korean Journal of Orthodontics</i> , 2009, 39, 185.	0.8	4
78	Resorptive remodeling in maxillary anterior region after bimaxillary surgery for skeletal Class III deformities. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015, 53, 932-937.	0.4	4
79	Enhanced antimicrobial and remineralizing properties of self-adhesive orthodontic resin containing mesoporous bioactive glass and zwitterionic material. <i>Journal of Dental Sciences</i> , 2022, 17, 848-855.	1.2	4
80	Simultaneous Substitution of Fe and Sr in Beta-Tricalcium Phosphate: Synthesis, Structural, Magnetic, Degradation, and Cell Adhesion Properties. <i>Materials</i> , 2022, 15, 4702.	1.3	4
81	Morphometric analysis of the maxillary root apex positions according to crowding severity. <i>Orthodontics and Craniofacial Research</i> , 2017, 20, 202-208.	1.2	3
82	Morphometric analysis for evaluating the relation between incisal guidance angle, occlusal plane angle, and functional temporomandibular joint shape variation. <i>Acta Odontologica Scandinavica</i> , 2018, 76, 287-293.	0.9	3
83	The Inhibition of Radial and Axial Micromovement of Bone Scaffold with Gelfoam® and Titanium Mesh Fixation and Its Effects on Osteointegration. <i>Methods and Protocols</i> , 2019, 2, 20.	0.9	3
84	Comparison of temporomandibular joint shape and size in patients with facial asymmetry. <i>Oral Radiology</i> , 2019, 35, 251-259.	0.9	3
85	Immediate effects of mandibular posterior displacement on the pharyngeal airway space: A preliminary study. <i>Korean Journal of Orthodontics</i> , 2020, 50, 129.	0.8	3
86	Cross-sectional study of the mandibular body in patients with facial asymmetry. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2011, 37, 109.	0.3	2
87	The role of polymorphisms associated with early tooth eruption in dental and occlusal traits in East Asian populations. <i>Korean Journal of Orthodontics</i> , 2014, 44, 96.	0.8	2
88	The estimation of skeletal maturity of patients with cleft lip and palate using statistical shape analysis: a preliminary study. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20160491.	1.3	2
89	Application of bioluminescence resonance energy transfer-based cell tracking approach in bone tissue engineering. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142199546.	2.3	2
90	Reliability study of 6-axis model surgery simulator for orthognathic surgery. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2010, 36, 23.	0.3	1

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91	Comparison of postoperative changes in the distal and proximal segments between conventional and sliding mini-plate fixation following mandibular setback. Korean Journal of Orthodontics, 2016, 46, 372.	0.8	1
92	Association between the FGFR1 rs13317 single nucleotide polymorphism and orbitale-nasion depth based on cephalometric images. Journal of Human Genetics, 2018, 63, 901-909.	1.1	1
93	Spectral characteristics of caries autofluorescence obtained from different locations and caries severities. Journal of Biophotonics, 2020, 13, e201900224.	1.1	1
94	Comparison of maxillary basal arch forms using the root apex in adult women with different skeletal patterns: A pilot study. American Journal of Orthodontics and Dentofacial Orthopedics, 2020, 158, 572-578.	0.8	1
95	Methods in Genetic Analysis for Evaluation Mandibular Shape and Size Variations in Human Mandible. Journal of Craniofacial Surgery, 2022, 33, e97-e101.	0.3	1
96	Effect of Observer's Sex and Chin Prominences on the Perception of the Lower Lip-Chin Prominence Angle. Journal of Craniofacial Surgery, 2021, Publish Ahead of Print, .	0.3	1
97	Temporary replacement of congenital missing incisors on mandible using temporary anchorage devices in growing patient: 2-year follow-up. Journal of Dental Rehabilitation and Applied Science, 2020, 36, 272-281.	0.1	1
98	The effects of experimental etchant with calcium phosphate ion clusters on the nanoleakage at dentinâ€‘resin hybrid layer. Journal of Adhesion Science and Technology, 0, , 1-14.	1.4	1
99	Unicyclic ameloblastoma arising from dentigerous cyst: case report and literature review. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2010, 36, 553.	0.3	0
100	Authorsâ€™ response. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 909-910.	0.8	0
101	Qualitative correlation between postoperatively increased vertical dimension and mandibular position in skeletal class III using partial-least-square path modeling. Maxillofacial Plastic and Reconstructive Surgery, 2017, 39, 15.	0.7	0
102	Orthodontic intrusion treatment of mandibular anterior teeth in a periodontal patient with hyperdivergent skeletal pattern: 8-year follow-up. Journal of Dental Rehabilitation and Applied Science, 2021, 37, 48-60.	0.1	0
103	Managements of ankylosed incisor occurred during adolescence using alveolar bone distraction osteogenesis and decoronation: case report. Journal of Dental Rehabilitation and Applied Science, 2017, 33, 143-153.	0.1	0
104	Intrusion of the extruded maxillary central incisor using skeletal anchorage system and unilateral segmental intrusion arch. Journal of Dental Rehabilitation and Applied Science, 2019, 35, 180-190.	0.1	0
105	Title is missing!. , 2020, 15, e0237726.		0
106	Title is missing!. , 2020, 15, e0237726.		0
107	Title is missing!. , 2020, 15, e0237726.		0
108	Title is missing!. , 2020, 15, e0237726.		0