

# Sang-Sun Han

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

885  
citations

623188

14  
h-index

525886

27  
g-index

64  
all docs

64  
docs citations

64  
times ranked

912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Canal configuration and root morphology of mandibular premolars using cone-beam computed tomography in a Korean population. <i>Clinical Oral Investigations</i> , 2022, 26, 3325-3332.	1.4	4
2	A fully automated method of human identification based on dental panoramic radiographs using a convolutional neural network. <i>Dentomaxillofacial Radiology</i> , 2022, 51, 20210383.	1.3	6
3	Efficacy of corticosteroid ductal irrigation in acute salivary gland inflammation induced in a rat model. <i>Imaging Science in Dentistry</i> , 2022, 52, 61.	0.6	5
4	Transfer learning in a deep convolutional neural network for implant fixture classification: A pilot study. <i>Imaging Science in Dentistry</i> , 2022, 52, 219.	0.6	10
5	Imaging feature of cosmetic fillers in cone-beam computed tomography and its dental consideration. <i>Head &amp; Face Medicine</i> , 2022, 18, .	0.8	1
6	Artificial intelligence in oral and maxillofacial radiology: what is currently possible?. <i>Dentomaxillofacial Radiology</i> , 2021, 50, 20200375.	1.3	56
7	Anatomical analysis of mandibular posterior teeth for endodontic microsurgery: a cone-beam computed tomographic evaluation. <i>Clinical Oral Investigations</i> , 2021, 25, 2391-2397.	1.4	4
8	A fully deep learning model for the automatic identification of cephalometric landmarks. <i>Imaging Science in Dentistry</i> , 2021, 51, 299.	0.6	16
9	Computed tomography and magnetic resonance imaging characteristics of giant cell tumors in the temporomandibular joint complex. <i>Imaging Science in Dentistry</i> , 2021, 51, 149.	0.6	0
10	Assessment of bone marrow fat fractions in the mandibular condyle head using the iterative decomposition of water and fat with echo asymmetry and least-squares estimation (IDEAL-IQ) method. <i>PLoS ONE</i> , 2021, 16, e0246596.	1.1	6
11	Differences in mandibular condyle and glenoid fossa morphology in relation to vertical and sagittal skeletal patterns: A cone-beam computed tomography study. <i>Korean Journal of Orthodontics</i> , 2021, 51, 126-134.	0.8	10
12	Scanning Electron Microscopic Evaluation of the Internal Fit Accuracy of 3D-Printed Biphasic Calcium Phosphate Block: An Ex Vivo Pilot Study. <i>Materials</i> , 2021, 14, 1557.	1.3	2
13	Analysis of three-dimensional imaging findings and clinical symptoms in patients with temporomandibular joint disorders. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1921-1931.	1.1	17
14	Accuracy of digital model generated from CT data with metal artifact reduction algorithm. <i>Scientific Reports</i> , 2021, 11, 10332.	1.6	4
15	Synthetic magnetic resonance imaging for quantitative parameter evaluation of temporomandibular joint disorders. <i>Dentomaxillofacial Radiology</i> , 2021, 50, 20200584.	1.3	5
16	Automated cortical thickness measurement of the mandibular condyle head on CBCT images using a deep learning method. <i>Scientific Reports</i> , 2021, 11, 14852.	1.6	16
17	Deep learning neural networks to differentiate Stafne's bone cavity from pathological radiolucent lesions of the mandible in heterogeneous panoramic radiography. <i>PLoS ONE</i> , 2021, 16, e0254997.	1.1	16
18	Automatic detection of mesiodens on panoramic radiographs using artificial intelligence. <i>Scientific Reports</i> , 2021, 11, 23061.	1.6	25

#	ARTICLE	IF	CITATIONS
19	Analysis of the mandibular canal course using unsupervised machine learning algorithm. PLoS ONE, 2021, 16, e0260194.	1.1	3
20	Quantitative analysis of the mouth opening movement of temporomandibular joint disorder patients according to disc position using computer vision: a pilot study. Quantitative Imaging in Medicine and Surgery, 2021, 12, 0-0.	1.1	6
21	CT-like MRI using the zero-TE technique for osseous changes of the TMJ. Dentomaxillofacial Radiology, 2020, 49, 20190272.	1.3	31
22	Application of a fully deep convolutional neural network to the automation of tooth segmentation on panoramic radiographs. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2020, 129, 635-642.	0.2	115
23	Accuracy evaluation of 3D printed interim prosthesis fabrication using a CBCT scanning based digital model. PLoS ONE, 2020, 15, e0240508.	1.1	11
24	Simulation of miniscrew-root distance available for molar distalization depending on the miniscrew insertion angle and vertical facial type. PLoS ONE, 2020, 15, e0239759.	1.1	7
25	Prognostic Implications of Combined Imaging and Histologic Criteria in Squamous Cell Carcinoma with Mandibular Invasion. Journal of Clinical Medicine, 2020, 9, 1335.	1.0	1
26	Quantitative analysis of metal artifact reduction using the auto-edge counting method in cone-beam computed tomography. Scientific Reports, 2020, 10, 8872.	1.6	13
27	Deep Learning for Automated Detection of Cyst and Tumors of the Jaw in Panoramic Radiographs. Journal of Clinical Medicine, 2020, 9, 1839.	1.0	85
28	Comparison of the Usefulness of CBCT and MRI in TMD Patients According to Clinical Symptoms and Age. Applied Sciences (Switzerland), 2020, 10, 3599.	1.3	1
29	Application of panoramic radiography with a multilayer imaging program for detecting proximal caries: a preliminary clinical study. Dentomaxillofacial Radiology, 2020, 49, 20190467.	1.3	10
30	Linear Accuracy of Full-Arch Digital Models Using Four Different Scanning Methods: An In Vitro Study Using a Coordinate Measuring Machine. Applied Sciences (Switzerland), 2020, 10, 2741.	1.3	4
31	Dose assessment in dental cone-beam computed tomography: Comparison of optically stimulated luminescence dosimetry with Monte Carlo method. PLoS ONE, 2020, 15, e0219103.	1.1	9
32	Comparison of three midsagittal planes for three-dimensional cone beam computed tomography head reorientation. Korean Journal of Orthodontics, 2020, 50, 3.	0.8	5
33	Alveolar bone height according to the anatomical relationship between the maxillary molar and sinus. Journal of Periodontal and Implant Science, 2020, 50, 38.	0.9	13
34	Acquired facial lipoatrophy: A report of 3 cases with imaging features. Imaging Science in Dentistry, 2020, 50, 255.	0.6	0
35	Title is missing!. , 2020, 15, e0239759.		0
36	Title is missing!. , 2020, 15, e0239759.		0

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37	Title is missing!. , 2020, 15, e0239759.		0
38	Title is missing!. , 2020, 15, e0239759.		0
39	Title is missing!. , 2020, 15, e0239759.		0
40	Title is missing!. , 2020, 15, e0239759.		0
41	Efficacy of the Monte Carlo method and dose reduction strategies in paediatric panoramic radiography. <i>Scientific Reports</i> , 2019, 9, 9691.	1.6	7
42	Microarchitectural changes in the mandibles of ovariectomized rats: a systematic review and meta-analysis. <i>BMC Oral Health</i> , 2019, 19, 128.	0.8	8
43	Site-specific and time-course changes of postmenopausal osteoporosis in rat mandible: comparative study with femur. <i>Scientific Reports</i> , 2019, 9, 14155.	1.6	13
44	Performance of dental pattern analysis system with treatment chronology on panoramic radiography. <i>Forensic Science International</i> , 2019, 299, 229-234.	1.3	9
45	Prognosis in case of nerve disturbance after mandibular implant surgery in relation to computed tomography findings and symptoms. <i>Journal of Periodontal and Implant Science</i> , 2019, 49, 127.	0.9	5
46	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.	0.8	34
47	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
48	Assessment of changes in the nasal airway after nonsurgical miniscrew-assisted rapid maxillary expansion in young adults. <i>Angle Orthodontist</i> , 2018, 88, 435-441.	1.1	46
49	Automatic analysis algorithm for acquiring standard dental and mandibular shape data using cone-beam computed tomography. <i>Scientific Reports</i> , 2018, 8, 13516.	1.6	4
50	Organized hematoma of temporomandibular joint. <i>Imaging Science in Dentistry</i> , 2018, 48, 73.	0.6	2
51	Morphological analysis of the lower second premolar for age estimation of Korean adults. <i>Forensic Science International</i> , 2017, 281, 186.e1-186.e6.	1.3	9
52	Regulation of root patterns in mammalian teeth. <i>Scientific Reports</i> , 2017, 7, 12714.	1.6	11
53	Strut analysis for osteoporosis detection model using dental panoramic radiography. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20170006.	1.3	60
54	Risk factors of osteonecrosis of the jaw after tooth extraction in osteoporotic patients on oral bisphosphonates. <i>Imaging Science in Dentistry</i> , 2017, 47, 45.	0.6	35

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55	The impact of reorienting cone-beam computed tomographic images in varied head positions on the coordinates of anatomical landmarks. <i>Imaging Science in Dentistry</i> , 2016, 46, 133.	0.6	6
56	Change in Image Quality According to the 3D Locations of a CBCT Phantom. <i>PLoS ONE</i> , 2016, 11, e0153884.	1.1	8
57	Accessory mental foramina associated with neurovascular bundle in Korean population. <i>Surgical and Radiologic Anatomy</i> , 2016, 38, 1169-1174.	0.6	13
58	Validating of the pre-clinical mouse model for metastatic breast cancer to the mandible. <i>Journal of Applied Oral Science</i> , 2015, 23, 3-8.	0.7	5
59	Availability of Software-Based Correction of Mandibular Plane for the Vertical Measurement of the Mandible in Cone Beam Computed Tomography. <i>BioMed Research International</i> , 2015, 2015, 1-5.	0.9	1
60	Cone beam CT findings of retromolar canals in a Korean population. <i>Surgical and Radiologic Anatomy</i> , 2014, 36, 871-876.	0.6	27
61	Double mandibular foramen leading to the accessory canal on the mandibular ramus. <i>Surgical and Radiologic Anatomy</i> , 2014, 36, 851-855.	0.6	21
62	Cone beam CT findings of retromolar canals: Report of cases and literature review. <i>Imaging Science in Dentistry</i> , 2013, 43, 309.	0.6	12
63	Comparison of conventional lateral cephalograms with corresponding CBCT radiographs. <i>Imaging Science in Dentistry</i> , 2012, 42, 201.	0.6	24