Sang-Sun Han

List of Publications by Year
in descending order

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	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
2	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
3	Strut analysis for osteoporosis detection model using dental panoramic radiography. Dentomaxillofacial Radiology, 2017, 46, 20170006.	1.3	60
4	Artificial intelligence in oral and maxillofacial radiology: what is currently possible?. Dentomaxillofacial Radiology, 2021, 50, 20200375.	1.3	56
5	Assessment of changes in the nasal airway after nonsurgical miniscrew-assisted rapid maxillary expansion in young adults. Angle Orthodontist, 2018, 88, 435-441.	1.1	46
6	Risk factors of osteonecrosis of the jaw after tooth extraction in osteoporotic patients on oral bisphosphonates. Imaging Science in Dentistry, 2017, 47, 45.	0.6	35
7	Predictors of midpalatal suture expansion by miniscrew-assisted rapid palatal expansion in young adults: A preliminary study. Korean Journal of Orthodontics, 2019, 49, 360.	0.8	34
8	CT-like MRI using the zero-TE technique for osseous changes of the TMJ. Dentomaxillofacial Radiology, 2020, 49, 20190272.	1.3	31
9	Cone beam CT findings of retromolar canals in a Korean population. Surgical and Radiologic Anatomy, 2014, 36, 871-876.	0.6	27
10	Automatic detection of mesiodens on panoramic radiographs using artificial intelligence. Scientific Reports, 2021, 11, 23061.	1.6	25
11	Comparison of conventional lateral cephalograms with corresponding CBCT radiographs. Imaging Science in Dentistry, 2012, 42, 201.	0.6	24
12	Double mandibular foramen leading to the accessory canal on the mandibular ramus. Surgical and Radiologic Anatomy, 2014, 36, 851-855.	0.6	21
13	Analysis of three-dimensional imaging findings and clinical symptoms in patients with temporomandibular joint disorders. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1921-1931.	1.1	17
14	A fully deep learning model for the automatic identification of cephalometric landmarks. Imaging Science in Dentistry, 2021, 51, 299.	0.6	16
15	Automated cortical thickness measurement of the mandibular condyle head on CBCT images using a deep learning method. Scientific Reports, 2021, 11, 14852.	1.6	16
16	Deep learning neural networks to differentiate Stafne's bone cavity from pathological radiolucent lesions of the mandible in heterogeneous panoramic radiography. PLoS ONE, 2021, 16, e0254997.	1.1	16
17	Accessory mental foramina associated with neurovascular bundle in Korean population. Surgical and Radiologic Anatomy, 2016, 38, 1169-1174.	0.6	13
18	Site-specific and time-course changes of postmenopausal osteoporosis in rat mandible: comparative study with femur. Scientific Reports, 2019, 9, 14155.	1.6	13

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19	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
20	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
21	Cone beam CT findings of retromolar canals: Report of cases and literature review. Imaging Science in Dentistry, 2013, 43, 309.	0.6	12
22	Regulation of root patterns in mammalian teeth. Scientific Reports, 2017, 7, 12714.	1.6	11
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	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
25	Differences in mandibular condyle and glenoid fossa morphology in relation to vertical and sagittal skeletal patterns: A cone-beam computed tomography study. Korean Journal of Orthodontics, 2021, 51, 126-134.	0.8	10
26	Transfer learning in a deep convolutional neural network for implant fixture classification: A pilot study. Imaging Science in Dentistry, 2022, 52, 219.	0.6	10
27	Morphological analysis of the lower second premolar for age estimation of Korean adults. Forensic Science International, 2017, 281, 186.e1-186.e6.	1.3	9
28	Performance of dental pattern analysis system with treatment chronology on panoramic radiography. Forensic Science International, 2019, 299, 229-234.	1.3	9
29	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
30	Change in Image Quality According to the 3D Locations of a CBCT Phantom. PLoS ONE, 2016, 11, e0153884.	1.1	8
31	Microarchitectural changes in the mandibles of ovariectomized rats: a systematic review and meta-analysis. BMC Oral Health, 2019, 19, 128.	0.8	8
32	Three-dimensional comparison of 2 digital models obtained from cone-beam computed tomographic scans of polyvinyl siloxane impressions and plaster models. Imaging Science in Dentistry, 2019, 49, 257.	0.6	8
33	Efficacy of the Monte Carlo method and dose reduction strategies in paediatric panoramic radiography. Scientific Reports, 2019, 9, 9691.	1.6	7
34	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
35	The impact of reorienting cone-beam computed tomographic images in varied head positions on the coordinates of anatomical landmarks. Imaging Science in Dentistry, 2016, 46, 133.	0.6	6
36	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. PLoS ONE, 2021, 16, e0246596.	1.1	6

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37	A fully automated method of human identification based on dental panoramic radiographs using a convolutional neural network. Dentomaxillofacial Radiology, 2022, 51, 20210383.	1.3	6
38	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
39	Validating of the pre-clinical mouse model for metastatic breast cancer to the mandible. Journal of Applied Oral Science, 2015, 23, 3-8.	0.7	5
40	Prognosis in case of nerve disturbance after mandibular implant surgery in relation to computed tomography findings and symptoms. Journal of Periodontal and Implant Science, 2019, 49, 127.	0.9	5
41	Synthetic magnetic resonance imaging for quantitative parameter evaluation of temporomandibular joint disorders. Dentomaxillofacial Radiology, 2021, 50, 20200584.	1.3	5
42	Comparison of three midsagittal planes for three-dimensional cone beam computed tomography head reorientation. Korean Journal of Orthodontics, 2020, 50, 3.	0.8	5
43	Efficacy of corticosteroid ductal irrigation in acute salivary gland inflammation induced in a rat model. Imaging Science in Dentistry, 2022, 52, 61.	0.6	5
44	Automatic analysis algorithm for acquiring standard dental and mandibular shape data using cone-beam computed tomography. Scientific Reports, 2018, 8, 13516.	1.6	4
45	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
46	Anatomical analysis of mandibular posterior teeth for endodontic microsurgery: a cone-beam computed tomographic evaluation. Clinical Oral Investigations, 2021, 25, 2391-2397.	1.4	4
47	Accuracy of digital model generated from CT data with metal artifact reduction algorithm. Scientific Reports, 2021, 11, 10332.	1.6	4
48	Canal configuration and root morphology of mandibular premolars using cone-beam computed tomography in a Korean population. Clinical Oral Investigations, 2022, 26, 3325-3332.	1.4	4
49	Analysis of the mandibular canal course using unsupervised machine learning algorithm. PLoS ONE, 2021, 16, e0260194.	1.1	3
50	Organized hematoma of temporomandibular joint. Imaging Science in Dentistry, 2018, 48, 73.	0.6	2
51	Scanning Electron Microscopic Evaluation of the Internal Fit Accuracy of 3D-Printed Biphasic Calcium Phosphate Block: An Ex Vivo Pilot Study. Materials, 2021, 14, 1557.	1.3	2
52	Availability of Software-Based Correction of Mandibular Plane for the Vertical Measurement of the Mandible in Cone Beam Computed Tomography. BioMed Research International, 2015, 2015, 1-5.	0.9	1
53	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
54	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

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55	Imaging feature of cosmetic fillers in cone-beam computed tomography and its dental consideration. Head & Face Medicine, 2022, 18, .	0.8	1
56	Computed tomography and magnetic resonance imaging characteristics of giant cell tumors in the temporomandibular joint complex. Imaging Science in Dentistry, 2021, 51, 149.	0.6	0
57	Acquired facial lipoatrophy: A report of 3 cases with imaging features. Imaging Science in Dentistry, 2020, 50, 255.	0.6	0
58	Title is missing!. , 2020, 15, e0239759.		0
59	Title is missing!. , 2020, 15, e0239759.		0
60	Title is missing!. , 2020, 15, e0239759.		0
61	Title is missing!. , 2020, 15, e0239759.		0
62	Title is missing!. , 2020, 15, e0239759.		0
63	Title is missing!. , 2020, 15, e0239759.		0