

Sam-Sun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

1,744
citations

304743

22
h-index

361022

35
g-index

101
all docs

101
docs citations

101
times ranked

1771
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Detection of Teeth and Dental Treatment Patterns on Dental Panoramic Radiographs Using Deep Neural Networks. <i>Forensic Sciences Research</i> , 2022, 7, 456-466.	1.6	12
2	Correlation analysis between radiation exposure and the image quality of cone-beam computed tomography in the dental clinical environment. <i>Imaging Science in Dentistry</i> , 2022, 52, 283.	1.8	2
3	Radiographic features of cleidocranial dysplasia on panoramic radiographs. <i>Imaging Science in Dentistry</i> , 2021, 51, 271.	1.8	8
4	QCBCT-NET for direct measurement of bone mineral density from quantitative cone-beam CT: a human skull phantom study. <i>Scientific Reports</i> , 2021, 11, 15083.	3.3	18
5	A Complete Digital Workflow for Planning, Simulation, and Evaluation in Orthognathic Surgery. <i>Journal of Clinical Medicine</i> , 2021, 10, 4000.	2.4	6
6	Computed tomography imaging features of osteomyelitis of the jaw: comparison between antiresorptive medication-related conditions and medication-unrelated conditions. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 129, 629-634.	0.4	5
7	Development of panorama resolution phantom for comprehensive evaluation of the horizontal and vertical resolution of panoramic radiography. <i>Scientific Reports</i> , 2020, 10, 16529.	3.3	4
8	Developing evidence-based clinical imaging guidelines of justification for radiographic examination after dental implant installation. <i>BMC Medical Imaging</i> , 2020, 20, 102.	2.7	4
9	Deep Learning Hybrid Method to Automatically Diagnose Periodontal Bone Loss and Stage Periodontitis. <i>Scientific Reports</i> , 2020, 10, 7531.	3.3	111
10	Correlation between spatial resolution and ball distortion rate of panoramic radiography. <i>BMC Medical Imaging</i> , 2020, 20, 68.	2.7	7
11	Therapeutic effect of intraductal saline irrigation in chronic obstructive sialadenitis. <i>BMC Oral Health</i> , 2020, 20, 86.	2.3	7
12	Automatic Reproduction of Natural Head Position Using a Portable 3D Scanner Based on Immediate Calibration. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 174.	2.5	3
13	Automatic diagnosis for cysts and tumors of both jaws on panoramic radiographs using a deep convolution neural network. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20200185.	2.7	83
14	Quantitative Augmented Reality-Assisted Free-Hand Orthognathic Surgery Using Electromagnetic Tracking and Skin-Attached Dynamic Reference. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 2175-2181.	0.7	8
15	Development of an evidence-based clinical imaging diagnostic guideline for implant planning: Joint recommendations of the Korean Academy of Oral and Maxillofacial Radiology and National Evidence-based Healthcare Collaborating Agency. <i>Imaging Science in Dentistry</i> , 2020, 50, 45.	1.8	3
16	Acquired facial lipoatrophy: A report of 3 cases with imaging features. <i>Imaging Science in Dentistry</i> , 2020, 50, 255.	1.8	0
17	Efficacy of the Monte Carlo method and dose reduction strategies in paediatric panoramic radiography. <i>Scientific Reports</i> , 2019, 9, 9691.	3.3	7
18	Performance of dental pattern analysis system with treatment chronology on panoramic radiography. <i>Forensic Science International</i> , 2019, 299, 229-234.	2.2	9

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19	Clinical and panoramic radiographic features of osteomyelitis of the jaw: A comparison between antiresorptive medication-related and medication-unrelated conditions. <i>Imaging Science in Dentistry</i> , 2019, 49, 287.	1.8	9
20	Langerhans cell histiocytosis of the jaw, a mimicker of osteomyelitis on CT and MR images. <i>Medicine (United States)</i> , 2019, 98, e16331.	1.0	12
21	Clinico-radiologic features of molar-incisor malformation in a case series of 38 patients. <i>Medicine (United States)</i> , 2019, 98, e17356.	1.0	10
22	Real-time augmented model guidance for mandibular proximal segment repositioning in orthognathic surgery, using electromagnetic tracking. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 127-137.	1.7	17
23	Effects of energy level, reconstruction kernel, and tube rotation time on Hounsfield units of hydroxyapatite in virtual monochromatic images obtained with dual-energy CT. <i>Imaging Science in Dentistry</i> , 2019, 49, 273.	1.8	4
24	Steatocystoma multiplex: A case report of a rare entity. <i>Imaging Science in Dentistry</i> , 2019, 49, 317.	1.8	1
25	Multidetector computed tomography imaging characteristics of asymptomatic palatine tonsilloliths: a retrospective study on 3886 examinations. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 125, 693-698.	0.4	10
26	Development of a new ball-type phantom for evaluation of the image layer of panoramic radiography. <i>Imaging Science in Dentistry</i> , 2018, 48, 255.	1.8	7
27	Radiopacity of contemporary luting cements using conventional and digital radiography. <i>Imaging Science in Dentistry</i> , 2018, 48, 97.	1.8	6
28	Is the panoramic mandibular index useful for bone quality evaluation?. <i>Imaging Science in Dentistry</i> , 2017, 47, 87.	1.8	15
29	CT evaluation of underlying bone sclerosis in patients with oral squamous cell carcinoma: A preliminary retrospective study. <i>Imaging Science in Dentistry</i> , 2017, 47, 255.	1.8	2
30	Therapeutic effect of intraductal irrigation of the salivary gland: A technical report. <i>Imaging Science in Dentistry</i> , 2017, 47, 123.	1.8	16
31	The development of a learning management system for dental radiology education: A technical report. <i>Imaging Science in Dentistry</i> , 2017, 47, 51.	1.8	9
32	Autonomous bone reposition around anatomical landmark for robot-assisted orthognathic surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 1980-1988.	1.7	24
33	A dose monitoring system for dental radiography. <i>Imaging Science in Dentistry</i> , 2016, 46, 103.	1.8	10
34	Contrast reference values in panoramic radiographic images using an arch-form phantom stand. <i>Imaging Science in Dentistry</i> , 2016, 46, 203.	1.8	3
35	The relationship between dental implant stability and trabecular bone structure using cone-beam computed tomography. <i>Journal of Periodontal and Implant Science</i> , 2016, 46, 116.	2.0	26
36	Three-dimensional assessment of condylar surface changes and remodeling after orthognathic surgery. <i>Imaging Science in Dentistry</i> , 2016, 46, 25.	1.8	7

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37	Haemophilic pseudotumour in two parts of the maxilla: case report. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150440.	2.7	11
38	Material decomposition with the multi-energy attenuation coefficient ratio by using a multiple discriminant analysis. <i>Journal of the Korean Physical Society</i> , 2016, 69, 231-240.	0.7	2
39	Accidental overextension of endodontic filling material in patients with neurologic complications: a retrospective case series. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150394.	2.7	5
40	Virtual skeletal complex model- and landmark-guided orthognathic surgery system. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 557-568.	1.7	17
41	Comparison of dosimetry methods for panoramic radiography: thermoluminescent dosimeter measurement versus personal computer-based Monte Carlo method calculation. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 121, 322-329.	0.4	16
42	Volumetric quantification of bone-implant contact using micro-computed tomography analysis based on region-based segmentation. <i>Imaging Science in Dentistry</i> , 2015, 45, 7.	1.8	8
43	A new bite block for panoramic radiographs of anterior edentulous patients: A technical report. <i>Imaging Science in Dentistry</i> , 2015, 45, 117.	1.8	0
44	An advanced navigational surgery system for dental implants completed in a single visit: An <i>in vitro</i> study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 117-125.	1.7	16
45	Relationship between physical factors and subjective image quality of cone-beam computed tomography images according to diagnostic task. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, 357-365.	0.4	25
46	Keratoameloblastoma: a case report and a review of the literature on its radiologic features. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 120, e219-e225.	0.4	6
47	Three-dimensional evaluation of human jaw bone microarchitecture: correlation between the microarchitectural parameters of cone beam computed tomography and micro-computer tomography. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 120, 762-770.	0.4	18
48	Texture analysis of mandibular cortical bone on digital dental panoramic radiographs for the diagnosis of osteoporosis in Korean women. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, 346-356.	0.4	80
49	Comparison of the reproducibility of panoramic radiographs between dentulous and edentulous patients. <i>Imaging Science in Dentistry</i> , 2014, 44, 95.	1.8	3
50	The effect of radiographic imaging modalities and the observer's experience on postoperative maxillary cyst assessment. <i>Imaging Science in Dentistry</i> , 2014, 44, 301.	1.8	7
51	Primitive neuroectodermal tumor of the maxillary sinus in an elderly male: A case report and literature review. <i>Imaging Science in Dentistry</i> , 2014, 44, 307.	1.8	6
52	Bilateral postoperative maxillary cysts after orthognathic surgery: A case report. <i>Imaging Science in Dentistry</i> , 2014, 44, 321.	1.8	11
53	An integrated orthognathic surgery system for virtual planning and image-guided transfer without intermediate splint. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, 2010-2017.	1.7	19
54	Three-dimensional natural head position reproduction using a single facial photograph based on the POSIT method. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, 1315-1321.	1.7	23

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55	Comparison of dental implant stabilities by impact response and resonance frequencies using artificial bone. <i>Medical Engineering and Physics</i> , 2014, 36, 715-720.	1.7	22
56	Direct and continuous localization of anatomical landmarks for image-guided orthognathic surgery. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 116, 402-410.	0.4	10
57	The relationship between the changes in three-dimensional facial morphology and mandibular movement after orthognathic surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2013, 41, 686-693.	1.7	17
58	Principal direction of inertia for 3D trajectories from patient-specific TMJ movement. <i>Computers in Biology and Medicine</i> , 2013, 43, 169-175.	7.0	8
59	The three-dimensional microstructure of trabecular bone: Analysis of site-specific variation in the human jaw bone. <i>Imaging Science in Dentistry</i> , 2013, 43, 227.	1.8	36
60	Reference line-pair values of panoramic radiographs using an arch-form phantom stand to assess clinical image quality. <i>Imaging Science in Dentistry</i> , 2013, 43, 7.	1.8	7
61	The relationship between radiological features and clinical manifestation and dental expenses of keratocystic odontogenic tumor. <i>Imaging Science in Dentistry</i> , 2013, 43, 91.	1.8	7
62	A new method for the evaluation of dental implant stability using an inductive sensor. <i>Medical Engineering and Physics</i> , 2012, 34, 1247-1252.	1.7	9
63	Clinical image quality evaluation for panoramic radiography in Korean dental clinics. <i>Imaging Science in Dentistry</i> , 2012, 42, 183.	1.8	27
64	Comparison of effective dose for imaging of mandible between multi-detector CT and cone-beam CT. <i>Imaging Science in Dentistry</i> , 2012, 42, 65.	1.8	28
65	Development of 3D statistical mandible models for cephalometric measurements. <i>Imaging Science in Dentistry</i> , 2012, 42, 175.	1.8	19
66	In-vitro study on the accuracy of a simple-design CT-guided stent for dental implants. <i>Imaging Science in Dentistry</i> , 2012, 42, 139.	1.8	4
67	The effects of location of alveolar crest on the vertical bone heights on panoramic radiographs. <i>Dentomaxillofacial Radiology</i> , 2012, 41, 117-121.	2.7	6
68	Hard and soft tissue changes of osteomyelitis of the jaws on CT images. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012, 114, 118-126.	0.4	24
69	Follow-up CT findings of recurrent familial gigantiform cementoma of a female child. <i>Skeletal Radiology</i> , 2012, 41, 341-346.	2.0	13
70	Development of a dental implant mobility measurement system using an inductive sensor. , 2011, 2011, 361-4.		2
71	Effect of LCD monitor type and observer experience on diagnostic performance in soft-copy interpretations of the maxillary sinus on panoramic radiographs. <i>Imaging Science in Dentistry</i> , 2011, 41, 11.	1.8	7
72	Fractal analysis of mandibular trabecular bone: optimal tile sizes for the tile counting method. <i>Imaging Science in Dentistry</i> , 2011, 41, 71.	1.8	16

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73	Quantitative Evaluation of Patient Movement during Simulated Acquisition of Cephalometric Radiographs. <i>Journal of Digital Imaging</i> , 2011, 24, 552-559.	2.9	6
74	Predicting the configuration of a C-shaped canal system from panoramic radiographs. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 109, e37-e41.	1.4	21
75	Correlation between 3-dimensional facial morphology and mandibular movement during maximum mouth opening and closing. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 110, 648-656.	1.4	17
76	The relationship between three-dimensional principal rotations and mandibular deviation. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 110, e52-e60.	1.4	14
77	The relationship between sialographic images and clinical symptoms of inflammatory parotid gland diseases. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 107, e49-e56.	1.4	8
78	Effect of bit depth and kVp of digital radiography for detection of subtle differences. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 108, 278-283.	1.4	18
79	Ameloblastic carcinoma: an analysis of 6 cases with review of the literature. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 108, 904-913.	1.4	109
80	Effect of ambient light and bit depth of digital radiograph on observer performance in determination of endodontic file positioning. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 105, 239-244.	1.4	32
81	Effect of Scaling and Root Planing on Alveolar Bone as Measured by Subtraction Radiography. <i>Journal of Periodontology</i> , 2008, 79, 1663-1669.	3.4	19
82	Direct measurement of trabecular bone anisotropy using directional fractal dimension and principal axes of inertia. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2007, 104, 110-116.	1.4	30
83	Comparison of trabecular bone anisotropies based on fractal dimensions and mean intercept length determined by principal axes of inertia. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 357-364.	2.8	15
84	ROI-based image registration for digital subtraction radiography. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2006, 101, 523-529.	1.4	13
85	Relationship between two-dimensional and three-dimensional bone architecture in predicting the mechanical strength of the pig mandible. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2006, 101, 363-373.	1.4	14
86	Automatic noise robust registration of radiographs for subtraction using strategic local correlation: an application to radiographs of dental implants. <i>Computers in Biology and Medicine</i> , 2005, 35, 247-258.	7.0	7
87	Quantitative analysis of errors in alveolar crest level caused by discrepant projection geometry in digital subtraction radiography: An in vivo study. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2005, 100, 750-755.	1.4	12
88	Benign fibrous histiocytoma in the mandible. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2004, 97, 276-280.	1.4	39
89	Development and evaluation of digital subtraction radiography computer program. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2004, 98, 471-475.	1.4	6
90	Automatic noise robust registration of dental radiographs for implants using strategic local correlation. <i>International Congress Series</i> , 2004, 1268, 1157-1161.	0.2	0

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91	Effects of Botulinum Toxin Type A on Bilateral Masseteric Hypertrophy Evaluated With Computed Tomographic Measurement. <i>Dermatologic Surgery</i> , 2003, 29, 484-489.	0.8	107
92	Three new cases of salivary duct carcinoma in the palate: A radiologic investigation and review of the literature. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2003, 95, 752-760.	1.4	24
93	Use of advanced imaging modalities for the differential diagnosis of pathoses mimicking temporomandibular disorders. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2003, 96, 630-638.	1.4	28
94	Fractal analysis of mandibular bony healing after orthognathic surgery. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2002, 94, 763-767.	1.4	61
95	Quantitative analysis of apical root resorption by means of digital subtraction radiography. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2001, 91, 369-373.	1.4	29
96	Quantitative analysis of normal major salivary glands using computed tomography. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2001, 92, 240-244.	1.4	32
97	Comparative radiologic study of bone density and cortical thickness of donor bone used in mandibular reconstruction. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2001, 92, 23-29.	1.4	27
98	Granulocytic sarcoma occurring in the maxillary gingiva demonstrated by magnetic resonance imaging. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2001, 92, 689-693.	1.4	35