

Hugo Gaña-Araujo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56 papers	265 citations	8 h-index	14 g-index
59 ext. papers	404 ext. citations	3 avg, IF	4.04 L-index

#	Paper	IF	Citations
56	Automatic exposure compensation in intraoral digital radiography: effect on the gray values of dental tissues.. <i>BMC Medical Imaging</i> , 2022 , 22, 4	2.9	1
55	Automatic exposure compensation of digital radiographic technologies does not affect alveolar bone-level measurement.. <i>Oral Radiology</i> , 2022 , 1	2.5	
54	The impact of digital filters on the diagnosis of simulated root resorptions in digital radiographic systems.. <i>Clinical Oral Investigations</i> , 2022 , 1	4.2	
53	Does the angulation between the maxillary central incisors and the nasopalatine canal differ among sagittal and vertical skeletal patterns? A CBCT study. <i>International Orthodontics</i> , 2022 , 100636	0.9	
52	Mapping of a multilayer panoramic radiography device. <i>Dentomaxillofacial Radiology</i> , 2021 , 20210082	3.9	
51	Evaluation of a low-dose protocol for cone beam computed tomography of the temporomandibular joint - ethical and methodological considerations. <i>Dentomaxillofacial Radiology</i> , 2021 , 50, 20200424	3.9	0
50	Influence of the file format and transmission app on the radiographic diagnosis of caries lesions. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021 , 132, 448-455	2	2
49	Development and validation of two new image receptor-holding devices for overlapping reduction of proximal surfaces in bitewing radiography: a preclinical study. <i>Dentomaxillofacial Radiology</i> , 2021 , 50, 20200449	3.9	1
48	Influence of different viewing conditions on the detection of fractured endodontic instruments using periapical radiographs at 3 projection angles. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021 , 132, 744-750	2	
47	Two decades of research on CBCT imaging in DMFR - an appraisal of scientific evidence. <i>Dentomaxillofacial Radiology</i> , 2021 , 50, 20200367	3.9	8
46	A comparison of Demirjian and Willems age estimation methods in a sample of Brazilian non-adult individuals. <i>Forensic Imaging</i> , 2021 , 25, 200456	0.6	1
45	Distortion or magnification? An cone-beam CT study of dimensional changes of objects with different compositions. <i>Dentomaxillofacial Radiology</i> , 2021 , 50, 20210063	3.9	1
44	Influence of CBCT-based volumetric distortion and beam hardening artefacts on the assessment of root canal filling quality in isthmus-containing molars. <i>Dentomaxillofacial Radiology</i> , 2021 , 50, 20200503	3.9	3
43	Do anatomical variations of the mandibular canal pose an increased risk of inferior alveolar nerve injury after third molar removal?. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2	2
42	Effect of digital enhancement on the radiographic assessment of vertical root fractures in the presence of different intracanal materials: an in vitro study. <i>Clinical Oral Investigations</i> , 2021 , 25, 195-202	4.2	3
41	Osteomyelitis, osteoradionecrosis, or medication-related osteonecrosis of the jaws? Can CBCT enhance radiographic diagnosis?. <i>Oral Diseases</i> , 2021 , 27, 312-319	3.5	5
40	Can diagnostic changes caused by cone beam computed tomography alter the clinical decision in impacted lower third molar treatment plan?. <i>Dentomaxillofacial Radiology</i> , 2021 , 50, 20200412	3.9	7

39	Do image enhancement filters in complementary metal oxide semiconductor and photostimulable phosphor imaging systems improve the detection of fractured endodontic instruments in periapical radiography?. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021 , 131, 247-255	2	2
38	A new model of classification of third molars development and its correlation with chronological age in a Brazilian subpopulation. <i>International Journal of Legal Medicine</i> , 2021 , 135, 639-648	3.1	0
37	Artificial intelligence-driven novel tool for tooth detection and segmentation on panoramic radiographs. <i>Clinical Oral Investigations</i> , 2021 , 25, 2257-2267	4.2	30
36	Influence of the image file format of digital periapical radiographs on the diagnosis of external and internal root resorptions. <i>Clinical Oral Investigations</i> , 2021 , 25, 4941-4948	4.2	1
35	Which factors related to apical radiolucency may influence its radiographic detection? A study using CBCT as reference standard. <i>Restorative Dentistry & Endodontics</i> , 2021 , 46, e43	1.5	0
34	Artefacts at different distances from titanium and zirconia implants in cone-beam computed tomography: effect of tube current and metal artefact reduction. <i>Clinical Oral Investigations</i> , 2021 , 25, 5087-5094	4.2	1
33	Do the number of basis images and metal artifact reduction affect the production of artifacts near and far from zirconium dental implants in CBCT?. <i>Clinical Oral Investigations</i> , 2021 , 25, 5281-5291	4.2	3
32	Mechanical analysis of prosthetic bars and dental implants in 3 and 4 implant-supported overdenture protocols using finite element analysis. <i>Journal of Oral Biology and Craniofacial Research</i> , 2021 , 11, 438-441	2.6	1
31	Combined Use of 2 Cone-beam Computed Tomography Scans in the Assessment of Vertical Root Fracture in Teeth with Intracanal Material. <i>Journal of Endodontics</i> , 2021 , 47, 1132-1137	4.7	1
30	Reproducibility and diagnostic value of a new wedge-guided bitewing image receptor-holding device. <i>Dentomaxillofacial Radiology</i> , 2021 , 20210186	3.9	
29	Comparison of CBCT and panoramic radiography for the assessment of bone loss and root resorption on the second molar associated with third molar impaction: a systematic review. <i>Dentomaxillofacial Radiology</i> , 2021 , 20210217	3.9	0
28	Radiographic diagnosis of proximal caries is not affected by exposure protocols and presence of high-density material on systems with automatic exposure compensation. <i>Oral Radiology</i> , 2021 , 1	2.5	
27	Comparison of distance of upper central incisor root and incisive canal in different sagittal and vertical skeletal patterns and sex: A retrospective CBCT study. <i>International Orthodontics</i> , 2021 , 19, 462-470	0.9	2
26	Influence of adjacent teeth restored with metal posts in the detection of simulated internal root resorption using CBCT. <i>International Endodontic Journal</i> , 2020 , 53, 1299-1306	5.4	7
25	Cone beam computed tomography in dentomaxillofacial radiology: a two-decade overview. <i>Dentomaxillofacial Radiology</i> , 2020 , 49, 20200145	3.9	24
24	Magnitude of beam-hardening artifacts produced by gutta-percha and metal posts on cone-beam computed tomography with varying tube current. <i>Imaging Science in Dentistry</i> , 2020 , 50, 1-7	2.2	16
23	Is peripheral cortication of intraosseous lesions accurately displayed on panoramic radiography?. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020 , 130, 725-730	2	
22	Early imaging signs of the use of antiresorptive medication and MRONJ: a systematic review. <i>Clinical Oral Investigations</i> , 2020 , 24, 2973-2989	4.2	7

21	Does the addition of a lead foil to digital radiographic receptors influence image contrast and approximal caries lesions diagnosis?. <i>Dentomaxillofacial Radiology</i> , 2020 , 49, 20190384	3.9	3
20	Retrospective assessment of dental implant-related perforations of relevant anatomical structures and inadequate spacing between implants/teeth using cone-beam computed tomography. <i>Clinical Oral Investigations</i> , 2020 , 24, 3281-3288	4.2	7
19	Automatic exposure compensation and subjective image enhancement in the radiographic diagnosis of caries. <i>Brazilian Oral Research</i> , 2020 , 34, e082	2.6	4
18	Influence of reconstruction parameters of micro-computed tomography on the analysis of bone mineral density. <i>Imaging Science in Dentistry</i> , 2020 , 50, 153-159	2.2	4
17	Influence of Metal Post in Adjacent Teeth in the Detection of Vertical Root Fracture Using Cone-beam Computed Tomography with Different Acquisition Parameters. <i>Journal of Endodontics</i> , 2020 , 46, 1655-1661	4.7	1
16	Artifacts in Micro-CT 2020 , 35-48		1
15	Is the digital radiographic detection of approximal caries lesions influenced by viewing conditions?. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020 , 129, 165-170	2	6
14	Root canal configuration and its relation with endodontic technical errors in premolar teeth: a CBCT analysis. <i>International Endodontic Journal</i> , 2019 , 52, 1410-1416	5.4	8
13	Impact of micro-computed tomography reconstruction protocols on bone microarchitecture analysis. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2019 , 128, 411-417	2	0
12	Is Panoramic Imaging Equivalent to Cone-Beam Computed Tomography for Classifying Impacted Lower Third Molars?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019 , 77, 1968-1974	1.8	6
11	Detection of the gubernacular canal and its attachment to the dental follicle may indicate an abnormal eruption status. <i>Angle Orthodontist</i> , 2019 , 89, 781-787	2.6	7
10	Effect of micro-computed tomography reconstruction protocols on bone fractal dimension analysis. <i>Dentomaxillofacial Radiology</i> , 2019 , 48, 20190235	3.9	1
9	Association between the Root Canal Configuration, Endodontic Treatment Technical Errors, and Periapical Hypodensities in Molar Teeth: A Cone-beam Computed Tomographic Study. <i>Journal of Endodontics</i> , 2019 , 45, 1465-1471	4.7	8
8	Detection of Simulated Periapical Lesion in Intraoral Digital Radiography with Different Brightness and Contrast. <i>European Endodontic Journal</i> , 2019 , 4, 133-138	1.5	2
7	Effect of brightness and contrast variation for detectability of root resorption lesions in digital intraoral radiographs. <i>Clinical Oral Investigations</i> , 2019 , 23, 3379-3386	4.2	5
6	Prevalence of technical errors and periapical lesions in a sample of endodontically treated teeth: a CBCT analysis. <i>Clinical Oral Investigations</i> , 2018 , 22, 2495-2503	4.2	21
5	Comparison of panoramic radiography and cone beam CT in the assessment of juxta-apical radiolucency. <i>Dentomaxillofacial Radiology</i> , 2018 , 47, 20170198	3.9	9
4	Influence of brightness and contrast adjustments on the diagnosis of proximal caries lesions. <i>Dentomaxillofacial Radiology</i> , 2018 , 47, 20180100	3.9	13

3	Comparison of panoramic radiography and cone beam CT in the assessment of juxta-apical radiolucency-an answer to Letter to Editor. <i>Dentomaxillofacial Radiology</i> , 2018 , 47, 20180246	3.9	
2	Influence of Artifact Reduction Tools in Micro-computed Tomography Images for Endodontic Research. <i>Journal of Endodontics</i> , 2017 , 43, 2108-2111	4.7	8
1	Optimization of Tube Current in Cone-beam Computed Tomography for the Detection of Vertical Root Fractures with Different Intracanal Materials. <i>Journal of Endodontics</i> , 2017 , 43, 1668-1673	4.7	22