Hugo Gaîa-Araujo

List of Publications by Citations

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	Artificial intelligence-driven novel tool for tooth detection and segmentation on panoramic radiographs. *Clinical Oral Investigations*, **2021**, 25, 2257-2267	4.2	30
55	Cone beam computed tomography in dentomaxillofacial radiology: a two-decade overview. *Dentomaxillofacial Radiology*, **2020**, 49, 20200145	3.9	24
54	Optimization of Tube Current in Cone-beam Computed Tomography for the Detection of Vertical Root Fractures with Different Intracanal Materials. *Journal of Endodontics*, **2017**, 43, 1668-1673	4.7	22
53	Prevalence of technical errors and periapical lesions in a sample of endodontically treated teeth: a CBCT analysis. *Clinical Oral Investigations*, **2018**, 22, 2495-2503	4.2	21
52	Magnitude of beam-hardening artifacts produced by gutta-percha and metal posts on cone-beam computed tomography with varying tube current. *Imaging Science in Dentistry*, **2020**, 50, 1-7	2.2	16
51	Influence of brightness and contrast adjustments on the diagnosis of proximal caries lesions. *Dentomaxillofacial Radiology*, **2018**, 47, 20180100	3.9	13
50	Comparison of panoramic radiography and cone beam CT in the assessment of juxta-apical radiolucency. *Dentomaxillofacial Radiology*, **2018**, 47, 20170198	3.9	9
49	Influence of Artifact Reduction Tools in Micro-computed Tomography Images for Endodontic Research. *Journal of Endodontics*, **2017**, 43, 2108-2111	4.7	8
48	Root canal configuration and its relation with endodontic technical errors in premolar teeth: a CBCT analysis. *International Endodontic Journal*, **2019**, 52, 1410-1416	5.4	8
47	Association between the Root Canal Configuration, Endodontic Treatment Technical Errors, and Periapical Hypodensities in Molar Teeth: A Cone-beam Computed Tomographic Study. *Journal of Endodontics*, **2019**, 45, 1465-1471	4.7	8
46	Two decades of research on CBCT imaging in DMFR - an appraisal of scientific evidence. *Dentomaxillofacial Radiology*, **2021**, 50, 20200367	3.9	8
45	Detection of the gubernacular canal and its attachment to the dental follicle may indicate an abnormal eruption status. *Angle Orthodontist*, **2019**, 89, 781-787	2.6	7
44	Influence of adjacent teeth restored with metal posts in the detection of simulated internal root resorption using CBCT. *International Endodontic Journal*, **2020**, 53, 1299-1306	5.4	7
43	Early imaging signs of the use of antiresorptive medication and MRONJ: a systematic review. *Clinical Oral Investigations*, **2020**, 24, 2973-2989	4.2	7
42	Retrospective assessment of dental implant-related perforations of relevant anatomical structures and inadequate spacing between implants/teeth using cone-beam computed tomography. *Clinical Oral Investigations*, **2020**, 24, 3281-3288	4.2	7
41	Can diagnostic changes caused by cone beam computed tomography alter the clinical decision in impacted lower third molar treatment plan?. *Dentomaxillofacial Radiology*, **2021**, 50, 20200412	3.9	7
40	Is Panoramic Imaging Equivalent to Cone-Beam Computed Tomography for Classifying Impacted Lower Third Molars?. *Journal of Oral and Maxillofacial Surgery*, **2019**, 77, 1968-1974	1.8	6

39	Is the digital radiographic detection of approximal caries lesions influenced by viewing conditions?. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2020**, 129, 165-170	2	6
38	Effect of brightness and contrast variation for detectability of root resorption lesions in digital intraoral radiographs. *Clinical Oral Investigations*, **2019**, 23, 3379-3386	4.2	5
37	Osteomyelitis, osteoradionecrosis, or medication-related osteonecrosis of the jaws? Can CBCT enhance radiographic diagnosis?. *Oral Diseases*, **2021**, 27, 312-319	3.5	5
36	Automatic exposure compensation and subjective image enhancement in the radiographic diagnosis of caries. *Brazilian Oral Research*, **2020**, 34, e082	2.6	4
35	Influence of reconstruction parameters of micro-computed tomography on the analysis of bone mineral density. *Imaging Science in Dentistry*, **2020**, 50, 153-159	2.2	4
34	Does the addition of a lead foil to digital radiographic receptors influence image contrast and approximal caries lesions diagnosis?. *Dentomaxillofacial Radiology*, **2020**, 49, 20190384	3.9	3
33	Influence of CBCT-based volumetric distortion and beam hardening artefacts on the assessment of root canal filling quality in isthmus-containing molars. *Dentomaxillofacial Radiology*, **2021**, 50, 20200503	3.9	3
32	Effect of digital enhancement on the radiographic assessment of vertical root fractures in the presence of different intracanal materials: an in vitro study. *Clinical Oral Investigations*, **2021**, 25, 195-202	4.2	3
31	Do the number of basis images and metal artifact reduction affect the production of artifacts near and far from zirconium dental implants in CBCT?. *Clinical Oral Investigations*, **2021**, 25, 5281-5291	4.2	3
30	Detection of Simulated Periapical Lesion in Intraoral Digital Radiography with Different Brightness and Contrast. *European Endodontic Journal*, **2019**, 4, 133-138	1.5	2
29	Influence of the file format and transmission app on the radiographic diagnosis of caries lesions. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2021**, 132, 448-455	2	2
28	Do anatomical variations of the mandibular canal pose an increased risk of inferior alveolar nerve injury after third molar removal?. *Clinical Oral Investigations*, **2021**, 1	4.2	2
27	Do image enhancement filters in complementary metal oxide semiconductor and photostimulable phosphor imaging systems improve the detection of fractured endodontic instruments in periapical radiography?. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2021**, 131, 247-255	2	2
26	Comparison of distance of upper central incisor root and incisive canal in different sagittal and vertical skeletal patterns and sex: A retrospective CBCT study. *International Orthodontics*, **2021**, 19, 462-470	0.9	2
25	Effect of micro-computed tomography reconstruction protocols on bone fractal dimension analysis. *Dentomaxillofacial Radiology*, **2019**, 48, 20190235	3.9	1
24	Automatic exposure compensation in intraoral digital radiography: effect on the gray values of dental tissues.. *BMC Medical Imaging*, **2022**, 22, 4	2.9	1
23	Influence of Metal Post in Adjacent Teeth in the Detection of Vertical Root Fracture Using Cone-beam Computed Tomography with Different Acquisition Parameters. *Journal of Endodontics*, **2020**, 46, 1655-1661	4.7	1
22	Development and validation of two new image receptor-holding devices for overlapping reduction of proximal surfaces in bitewing radiography: a preclinical study. *Dentomaxillofacial Radiology*, **2021**, 50, 20200449	3.9	1

21	A comparison of Demirjian and Willems age estimation methods in a sample of Brazilian non-adult individuals. *Forensic Imaging*, **2021**, 25, 200456	0.6	1
20	Distortion or magnification? An cone-beam CT study of dimensional changes of objects with different compositions. *Dentomaxillofacial Radiology*, **2021**, 50, 20210063	3.9	1
19	Artifacts in Micro-CT **2020**, 35-48		1
18	Influence of the image file format of digital periapical radiographs on the diagnosis of external and internal root resorptions. *Clinical Oral Investigations*, **2021**, 25, 4941-4948	4.2	1
17	Artefacts at different distances from titanium and zirconia implants in cone-beam computed tomography: effect of tube current and metal artefact reduction. *Clinical Oral Investigations*, **2021**, 25, 5087-5094	4.2	1
16	Mechanical analysis of prosthetic bars and dental implants in 3 and 4 implant-supported overdenture protocols using finite element analysis. *Journal of Oral Biology and Craniofacial Research*, **2021**, 11, 438-441	2.6	1
15	Combined Use of 2 Cone-beam Computed Tomography Scans in the Assessment of Vertical Root Fracture in Teeth with Intracanal Material. *Journal of Endodontics*, **2021**, 47, 1132-1137	4.7	1
14	Impact of micro-computed tomography reconstruction protocols on bone microarchitecture analysis. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2019**, 128, 411-417	2	0
13	Evaluation of a low-dose protocol for cone beam computed tomography of the temporomandibular joint - ethical and methodological considerations. *Dentomaxillofacial Radiology*, **2021**, 50, 20200424	3.9	0
12	A new model of classification of third molars development and its correlation with chronological age in a Brazilian subpopulation. *International Journal of Legal Medicine*, **2021**, 135, 639-648	3.1	0
11	Which factors related to apical radiolucency may influence its radiographic detection? A study using CBCT as reference standard. *Restorative Dentistry & Endodontics*, **2021**, 46, e43	1.5	0
10	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. *Dentomaxillofacial Radiology*, **2021**, 20210217	3.9	0
9	Is peripheral cortication of intraosseous lesions accurately displayed on panoramic radiography?. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2020**, 130, 725-730	2	
8	Mapping of a multilayer panoramic radiography device. *Dentomaxillofacial Radiology*, **2021**, 20210082	3.9	
7	Influence of different viewing conditions on the detection of fractured endodontic instruments using periapical radiographs at 3 projection angles. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2021**, 132, 744-750	2	
6	Comparison of panoramic radiography and cone beam CT in the assessment of juxta-apical radiolucency-an answer to Letter to Editor. *Dentomaxillofacial Radiology*, **2018**, 47, 20180246	3.9	
5	Reproducibility and diagnostic value of a new wedge-guided bitewing image receptor-holding device. *Dentomaxillofacial Radiology*, **2021**, 20210186	3.9	
4	Radiographic diagnosis of proximal caries is not affected by exposure protocols and presence of high-density material on systems with automatic exposure compensation. *Oral Radiology*, **2021**, 1	2.5	

List of Publications

3	Automatic exposure compensation of digital radiographic technologies does not affect alveolar bone-level measurement.. *Oral Radiology*, **2022**, 1	2.5
2	The impact of digital filters on the diagnosis of simulated root resorptions in digital radiographic systems.. *Clinical Oral Investigations*, **2022**, 1	4.2
1	Does the angulation between the maxillary central incisors and the nasopalatine canal differ among sagittal and vertical skeletal patterns? A CBCT study. *International Orthodontics*, **2022**, 100636	0.9