

Keith Horner

List of Publications by Year in descending order

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87
papers

4,381
citations

94433

37
h-index

114465

63
g-index

88
all docs

88
docs citations

88
times ranked

2559
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective dose range for dental cone beam computed tomography scanners. <i>European Journal of Radiology</i> , 2012, 81, 267-271.	2.6	485
2	E.A.O. guidelines for the use of diagnostic imaging in implant dentistry 2011. A consensus workshop organized by the European Association for Osseointegration at the Medical University of Warsaw. <i>Clinical Oral Implants Research</i> , 2012, 23, 1243-1253.	4.5	239
3	Basic principles for use of dental cone beam computed tomography: consensus guidelines of the European Academy of Dental and Maxillofacial Radiology. <i>Dentomaxillofacial Radiology</i> , 2009, 38, 187-195.	2.7	200
4	Mandibular Radiomorphometric Indices in the Diagnosis of Reduced Skeletal Bone Mineral Density. <i>Osteoporosis International</i> , 2002, 13, 373-378.	3.1	189
5	Mandibular bone mineral density as a predictor of skeletal osteoporosis. <i>British Journal of Radiology</i> , 1996, 69, 1019-1025.	2.2	171
6	Quantification of metal artifacts on cone beam computed tomography images. <i>Clinical Oral Implants Research</i> , 2013, 24, 94-99.	4.5	165
7	Estimation of paediatric organ and effective doses from dental cone beam CT using anthropomorphic phantoms. <i>British Journal of Radiology</i> , 2012, 85, 153-160.	2.2	147
8	Radiomorphometric indices of the mandible in a British female population. <i>Dentomaxillofacial Radiology</i> , 0, 28, 173-181.	2.7	108
9	Use of cone beam computed tomography in implant dentistry: current concepts, indications and limitations for clinical practice and research. <i>Periodontology 2000</i> , 2017, 73, 51-72.	13.4	102
10	Tooth loss and osteoporosis: the osteodent study. <i>Journal of Clinical Periodontology</i> , 2009, 36, 190-197.	4.9	101
11	Detecting patients with low skeletal bone mass. <i>Journal of Dentistry</i> , 2002, 30, 171-175.	4.1	96
12	Accuracy in osteoporosis diagnosis of a combination of mandibular cortical width measurement on dental panoramic radiographs and a clinical risk index (OSIRIS): The OSTEODENT project. <i>Bone</i> , 2007, 40, 223-229.	2.9	96
13	Comparison of spatial and contrast resolution for cone-beam computed tomography scanners. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012, 114, 127-135.	0.4	93
14	Radiovisiography: an initial evaluation. <i>British Dental Journal</i> , 1990, 168, 244-248.	0.6	83
15	The relationships between two indices of mandibular bone quality and bone mineral density measured by dual energy X-ray absorptiometry.. <i>Dentomaxillofacial Radiology</i> , 1998, 27, 17-21.	2.7	82
16	Can preoperative imaging help to predict postoperative outcome after wisdom tooth removal? A randomized controlled trial using panoramic radiography versus cone-beam CT. <i>Clinical Oral Investigations</i> , 2014, 18, 335-342.	3.0	78
17	Guidelines for clinical use of CBCT: a review. <i>Dentomaxillofacial Radiology</i> , 2015, 44, 20140225.	2.7	77
18	The quality of panoramic radiographs in a sample of general dental practices. <i>British Dental Journal</i> , 1999, 186, 630-633.	0.6	75

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19	Effective radiation dose and eye lens dose in dental cone beam CT: effect of field of view and angle of rotation. <i>British Journal of Radiology</i> , 2014, 87, 20130654.	2.2	73
20	Observer performance in diagnosing osteoporosis by dental panoramic radiographs: Results from the osteoporosis screening project in dentistry (OSPD). <i>Bone</i> , 2008, 43, 209-213.	2.9	71
21	Development and applicability of a quality control phantom for dental cone-beam CT. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 245-260.	1.9	69
22	Best clinical practice guidance for prescribing dental radiographs in children and adolescents: an EAPD policy document. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , 2020, 21, 375-386.	1.9	68
23	Automated osteoporosis risk assessment by dentists: A new pathway to diagnosis. <i>Bone</i> , 2007, 40, 835-842.	2.9	67
24	The use of cone beam computed tomography in endodontics. <i>International Endodontic Journal</i> , 2009, 42, 755-756.	5.0	66
25	Clinical bone densitometric study of mandibular atrophy using dental panoramic tomography. <i>Journal of Dentistry</i> , 1992, 20, 33-37.	4.1	63
26	Development of a low-dose protocol for cone beam CT examinations of the anterior maxilla in children. <i>British Journal of Radiology</i> , 2015, 88, 20150559.	2.2	62
27	The diagnostic efficacy of cone beam CT for impacted teeth and associated features: a systematic review. <i>Journal of Oral Rehabilitation</i> , 2011, 38, 208-216.	3.0	57
28	Estimating cancer risk from dental cone-beam CT exposures based on skin dosimetry. <i>Physics in Medicine and Biology</i> , 2014, 59, 3877-3891.	3.0	57
29	The Mandibular Cortex on Radiographs as a Tool for Osteoporosis Risk Assessment: The OSTEODENT Project. <i>Journal of Clinical Densitometry</i> , 2007, 10, 138-146.	1.2	56
30	Dose distribution for dental cone beam CT and its implication for defining a dose index. <i>Dentomaxillofacial Radiology</i> , 2012, 41, 583-593.	2.7	56
31	Radiation protection in dental radiology. <i>British Journal of Radiology</i> , 1994, 67, 1041-1049.	2.2	49
32	Osteoporosis detection using intraoral densitometry. <i>Dentomaxillofacial Radiology</i> , 2008, 37, 282-287.	2.7	44
33	Detecting Reduced Bone Mineral Density From Dental Radiographs Using Statistical Shape Models. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2007, 11, 601-610.	3.2	43
34	The role of the dental surgeon in detecting osteoporosis: the OSTEODENT study. <i>British Dental Journal</i> , 2008, 204, E16-E16.	0.6	42
35	Tooth loss and osteoporosis: to assess the association between osteoporosis status and tooth number. <i>British Dental Journal</i> , 2013, 214, E10-E10.	0.6	41
36	Inferior Alveolar Nerve Sensory Disturbance After Impacted Mandibular Third Molar Evaluation Using Cone Beam Computed Tomography and Panoramic Radiography: A Pilot Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012, 70, 2264-2270.	1.2	39

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37	Atypical simple bone cysts of the jaws. II: A possible association with benign fibro-osseous (cemental) lesions of the jaws. <i>Clinical Radiology</i> , 1988, 39, 59-63.	1.1	38
38	Dose reduction in dental radiography. <i>Journal of Dentistry</i> , 1990, 18, 171-184.	4.1	38
39	Dental CBCT equipment and performance issues. <i>Radiation Protection Dosimetry</i> , 2013, 153, 212-218.	0.8	38
40	Dose optimization by altering the operating potential and tube current exposure time product in dental cone beam CT: a systematic review. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150254.	2.7	37
41	Justification and good practice in using handheld portable dental X-ray equipment: a position paper prepared by the European Academy of DentoMaxilloFacial Radiology (EADMFR). <i>Dentomaxillofacial Radiology</i> , 2015, 44, 20140343.	2.7	33
42	The relationship between the OSTEODENT index and hip fracture risk assessment using FRAX. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 110, 243-249.	1.4	32
43	Factors influencing the frequency of bitewing radiography in general dental practice. <i>Community Dentistry and Oral Epidemiology</i> , 1996, 24, 272-276.	1.9	31
44	Temporomandibular disorders, trismus and malignancy: development of a checklist to improve patient safety. <i>British Dental Journal</i> , 2014, 217, 351-355.	0.6	30
45	Variability in measurement of radiomorphometric indices by general dental practitioners. <i>Dentomaxillofacial Radiology</i> , 0, 30, 120-125.	2.7	29
46	The reproducibility of the mandibular cortical index. <i>Dentomaxillofacial Radiology</i> , 0, 28, 141-144.	2.7	28
47	Detecting the earliest radiological signs of bisphosphonate-related osteonecrosis. <i>British Dental Journal</i> , 2018, 224, 26-31.	0.6	27
48	Variation in costs of cone beam CT examinations among healthcare systems. <i>Dentomaxillofacial Radiology</i> , 2012, 41, 571-577.	2.7	25
49	Diagnostic efficacy of cone beam computed tomography in paediatric dentistry: a systematic review. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , 2020, 21, 407-426.	1.9	24
50	Cone-Beam Computed Tomography: Time for an Evidence-Based Approach. <i>Primary Dental Journal</i> , 2013, 2, 22-31.	0.6	23
51	Thyroid shielding in cone beam computed tomography: recommendations towards appropriate use. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20190014.	2.7	22
52	Impact of cone beam computed tomography (CBCT) on diagnostic thinking in endodontics of posterior teeth: A before- after study. <i>Journal of Dentistry</i> , 2016, 53, 57-63.	4.1	20
53	The potential medico-legal implications of computed radiography. <i>British Dental Journal</i> , 1996, 180, 271-273.	0.6	20
54	Diagnosis of osteoporosis in oral health care. <i>Journal of Oral Rehabilitation</i> , 2008, 35, 152-157.	3.0	19

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55	Atypical simple bone cysts of the jaws. I: Recurrent lesions. <i>Clinical Radiology</i> , 1988, 39, 53-57.	1.1	18
56	Use of 'rapid' processing techniques by a sample of British dentists.. <i>Dentomaxillofacial Radiology</i> , 1993, 22, 145-148.	2.7	18
57	Questionnaire surveys - sources of error and implications for design, reporting and appraisal. <i>British Dental Journal</i> , 2021, 230, 251-258.	0.6	18
58	An analysis of effective dose optimization and its impact on image quality and diagnostic efficacy relating to dental cone beam computed tomography (CBCT). <i>Swiss Dental Journal</i> , 2018, 128, 297-316.	0.1	18
59	Current practice in the use of cone beam computed tomography: a survey of UK dental practices. <i>British Dental Journal</i> , 2019, 226, 115-124.	0.6	15
60	Through the quality kaleidoscope: reflections on research in dentomaxillofacial imaging. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20190484.	2.7	14
61	Conventional radiography and cross-sectional imaging when planning dental implants in the anterior edentulous mandible to support an overdenture: a systematic review. <i>Dentomaxillofacial Radiology</i> , 2014, 43, 20130321.	2.7	13
62	Potential neurovascular damage as a result of dental implant placement in the anterior maxilla. <i>British Dental Journal</i> , 2019, 226, 657-661.	0.6	13
63	A framework for costing diagnostic methods in oral health care: An application comparing a new imaging technology with the conventional approach for maxillary canines with eruption disturbances. <i>Community Dentistry and Oral Epidemiology</i> , 2012, 40, 351-361.	1.9	12
64	The impact of Cone Beam CT on financial costs and orthodontists' treatment decisions in the management of maxillary canines with eruption disturbance. <i>European Journal of Orthodontics</i> , 2018, 40, 65-73.	2.4	12
65	Multiple Stafne Bone Cavities: A Diagnostic Dilemma. <i>Dental Update</i> , 2000, 27, 494-497.	0.2	10
66	Is there any difference between the British and Japanese definitions of the mandibular cortical index (MCI) on panoramic radiographs? A pilot study. <i>Oral Radiology</i> , 2004, 20, 44.	1.9	10
67	Economic evaluation of diagnostic methods used in dentistry. A systematic review. <i>Journal of Dentistry</i> , 2014, 42, 1361-1371.	4.1	10
68	Radiographic selection criteria: new guidelines, old challenges. <i>British Dental Journal</i> , 2013, 214, 201-203.	0.6	9
69	Challenges in X-ray diagnosis: a review of referrals for specialist opinion. <i>British Dental Journal</i> , 2017, 222, 431-437.	0.6	9
70	Anatomy of the mandibular canal and surrounding structures: Part I: Morphology of the superior wall of the mandibular canal. <i>Annals of Anatomy</i> , 2020, 232, 151580.	1.9	9
71	Development of a clinically applicable tool for bone density assessment. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2009, 4, 163-168.	2.8	5
72	The impact of premature birth on the mandibular cortical bone of children. <i>Osteoporosis International</i> , 2015, 26, 637-644.	3.1	5

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73	The use of localised CBCT to image inflammatory collateral cysts: a retrospective case series demonstrating clinical and radiographic features. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , 2020, 21, 329-337.	1.9	5
74	Mandibular canal versus inferior alveolar canal: A Delphi study. <i>Clinical Anatomy</i> , 2021, 34, 1095-1100.	2.7	5
75	A meta-review of effective doses in dental and maxillofacial cone beam CT using the ROBIS tool. <i>British Journal of Radiology</i> , 2021, 94, 20210042.	2.2	5
76	Cone-beam computed tomography for oral surgical applications: where is the evidence?. <i>Oral Surgery</i> , 2013, 6, 112-128.	0.2	4
77	A questionnaire study to investigate custom and practice of imaging methods for the anterior region of the mandible prior to dental implant placement. <i>Dentomaxillofacial Radiology</i> , 2013, 42, 20120179.	2.7	4
78	Is self-reported alcohol consumption associated with osteoporotic mandibular bone loss in women?. <i>European Journal of Oral Sciences</i> , 2009, 117, 7-12.	1.5	3
79	Osteoporosis risk assessment in primary dental care—The attitudes of Swedish dentists, patients and medical specialists. <i>Gerodontology</i> , 2020, 37, 208-216.	2.0	3
80	DETECTING OSTEOPOROSIS FROM DENTAL RADIOGRAPHS USING ACTIVE SHAPE MODELS. , 2007, , .		2
81	Assessment of trabecular bone changes around endosseous implants using image analysis techniques: A preliminary study. <i>Imaging Science in Dentistry</i> , 2014, 44, 129.	1.8	2
82	Guidelines on radiographic imaging as part of root canal treatment: a systematic review with a focus on review imaging after treatment. <i>International Endodontic Journal</i> , 2018, 51, e238-e249.	5.0	2
83	Does anthropomorphic model design in <i>ex vivo</i> studies affect diagnostic accuracy for dental root fracture using CBCT?. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20200093.	2.7	2
84	Preoperative radiological evaluation of missing single teeth: A review. <i>European Journal of Oral Implantology</i> , 2016, 9 Suppl 1, S69-88.	1.2	1
85	Effectiveness of hard inserts in sports mouthguards: a systematic review. <i>British Dental Journal</i> , 2022, , .	0.6	1
86	Osteoporosis risk assessment by dentists: a new pathway for access to therapy?. <i>Expert Review of Endocrinology and Metabolism</i> , 2007, 2, 293-298.	2.4	0
87	Determination of a cone-beam CT low-dose protocol for root fracture diagnosis in non-endodontically treated anterior maxillary teeth. <i>Dentomaxillofacial Radiology</i> , 2022, 51, 20210138.	2.7	0