

Ralf K W Schulze

List of Publications by Year in descending order

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76
papers

2,069
citations

471061
17
h-index

253896
43
g-index

76
all docs

76
docs citations

76
times ranked

2061
citing authors

#	ARTICLE	IF	CITATIONS
1	Artefacts in CBCT: a review. <i>Dentomaxillofacial Radiology</i> , 2011, 40, 265-273.	1.3	711
2	On cone-beam computed tomography artifacts induced by titanium implants. <i>Clinical Oral Implants Research</i> , 2010, 21, 100-107.	1.9	240
3	Spatial resolution in CBCT machines for dental/maxillofacial applications—what do we know today?. <i>Dentomaxillofacial Radiology</i> , 2015, 44, 20140204.	1.3	139
4	Basic training requirements for the use of dental CBCT by dentists: a position paper prepared by the European Academy of DentoMaxilloFacial Radiology. <i>Dentomaxillofacial Radiology</i> , 2014, 43, 20130291.	1.3	90
5	The Image Gently in Dentistry campaign: promotion of responsible use of maxillofacial radiology in dentistry for children. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 118, 257-261.	0.2	67
6	Precision and accuracy of measurements in digital panoramic radiography. <i>Dentomaxillofacial Radiology</i> , 0, 29, 52-56.	1.3	63
7	Correlation of cone beam computed tomography (CBCT) findings in the maxillary sinus with dental diagnoses: a retrospective cross-sectional study. <i>Clinical Oral Investigations</i> , 2012, 16, 1023-1029.	1.4	62
8	Cytotoxicity of Root Canal Filling Materials to Three Different Human Cell Lines. <i>Journal of Endodontics</i> , 2000, 26, 703-707.	1.4	50
9	A method for automatic forensic facial reconstruction based on dense statistics of soft tissue thickness. <i>PLoS ONE</i> , 2019, 14, e0210257.	1.1	41
10	Dental CBCT equipment and performance issues. <i>Radiation Protection Dosimetry</i> , 2013, 153, 212-218.	0.4	38
11	Necessity of 3D visualization for the removal of lower wisdom teeth: required sample size to prove non-inferiority of panoramic radiography compared to CBCT. <i>Clinical Oral Investigations</i> , 2012, 16, 699-706.	1.4	34
12	Mathematical analysis of projection errors in “paralleling technique” with respect to implant geometry. <i>Clinical Oral Implants Research</i> , 2001, 12, 364-371.	1.9	32
13	B-mode versus A-mode ultrasonographic measurements of mucosal thickness in vivo. <i>Oral Surgery Oral Medicine Oral Pathology and Endodontics</i> , 2002, 93, 110-117.	1.6	27
14	Landmark identification on direct digital versus film-based cephalometric radiographs: A human skull study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2002, 122, 635-642.	0.8	26
15	Surgical evaluation of panoramic radiography and cone beam computed tomography for therapy planning of bisphosphonate-related osteonecrosis of the jaws. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 121, 419-424.	0.2	24
16	Cone-beam computed tomography and its applications in dental and maxillofacial radiology. <i>Clinical Radiology</i> , 2020, 75, 647-657.	0.5	24
17	Automated detection of patient movement during a CBCT scan based on the projection data. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, 468-472.	0.2	23
18	Presurgical evaluation of bony implant sites using panoramic radiography and cone beam computed tomography—“influence of medical education. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20160081.	1.3	19

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19	The Treatment of Anterior Dental Trauma. Deutsches Ärzteblatt International, 2010, 108, 565-70.	0.6	19
20	Auto calibration of a coneâ€beamâ€CT. Medical Physics, 2012, 39, 5959-5970.	1.6	18
21	Future prospects for dental cone beam CT imaging. Imaging in Medicine, 2012, 4, 551-563.	0.0	18
22	In vitro perception of low-contrast features in digital, film, and digitized dental radiographs: A receiver operating characteristic analysis. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 103, 694-701.	1.6	17
23	Determination of projection geometry from quantitative assessment of the distortion of spherical references in single-view projection radiography. Medical Physics, 2004, 31, 2849-2854.	1.6	16
24	Contrast perception in digitized panoramic radiographs compared with their film-based origin. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2002, 94, 388-394.	1.6	14
25	In vitro carious lesion detection on D-, E-, and F-speed radiographic films. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2004, 97, 529-534.	1.6	14
26	Implant treatment planning regarding augmentation procedures: panoramic radiographs vs. cone beam computed tomography images. Clinical Oral Implants Research, 2016, 27, 1010-1016.	1.9	14
27	Projectionâ€based improvement of 3D reconstructions from motionâ€impaired dental cone beam CT data. Medical Physics, 2019, 46, 4470-4480.	1.6	13
28	Epulis granulomatosa as an oral manifestation of Klippel-TrÃ©naunay syndrome. Journal of Oral Pathology and Medicine, 2006, 35, 576-578.	1.4	11
29	Influence of a Commercial Lead Apron on Patient Skin Dose Delivered During Oral and Maxillofacial Examinations under Cone Beam Computed Tomography (CBCT). Health Physics, 2017, 113, 129-134.	0.3	11
30	The Effect of Wavelet and Discrete Cosine Transform Compression of Digital Radiographs on the Detection of Subtle Proximal Caries. Caries Research, 2008, 42, 334-339.	0.9	10
31	GPU-Based Volume Reconstruction from Very Few Arbitrarily Aligned X-Ray Images. SIAM Journal of Scientific Computing, 2010, 31, 4204-4221.	1.3	10
32	The influence of ambient lighting on the detection of small contrast elements in digital dental radiographs. Clinical Oral Investigations, 2013, 17, 1727-1731.	1.4	10
33	Length of endodontic files measured in digital radiographs with and without noise-suppression filters: an <i>ex-vivo</i> study. Dentomaxillofacial Radiology, 2011, 40, 170-176.	1.3	9
34	Skin entrance dose with and without lead apron in digital panoramic radiography for selected sensitive body regions. Clinical Oral Investigations, 2017, 21, 1327-1333.	1.4	8
35	Accuracy in Detecting Artificial Root Resorption in Panoramic Radiography versus Tomosynthetic Panoramic Radiographs. Journal of Endodontics, 2019, 45, 634-639.e2.	1.4	8
36	Detection accuracy of maxillary sinus floor septa in panoramic radiographs using CBCT as gold standard: a multi-observer receiver operating characteristic (ROC) study. Clinical Oral Investigations, 2019, 23, 99-105.	1.4	8

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37	A new method for the radiological investigation of residual ridge resorption in the maxilla. Dentomaxillofacial Radiology, 0, 29, 368-375.	1.3	8
38	A method to calculate angular disparities between object and receptor in 'paralleling technique'. Dentomaxillofacial Radiology, 0, 31, 32-38.	1.3	8
39	Accurate registration of random radiographic projections based on three spherical references for the purpose of few-view 3D reconstruction. Medical Physics, 2008, 35, 546-555.	1.6	7
40	Contrast curves of five different intraoral X-ray sensors: a technical note. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2013, 115, e55-e61.	0.2	7
41	Quality of individually calibrated customary printers for assessment of typical dental diagnoses on glossy paper prints: a multicenter pilot study. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2008, 106, 578-586.	1.6	6
42	Ex vivo radiographic tooth length measurements with the reference sphere method (RSM). Clinical Oral Investigations, 2010, 14, 645-651.	1.4	6
43	Pose determination of a cylindrical (dental) implant in three-dimensions from a single two-dimensional radiograph. Dentomaxillofacial Radiology, 2010, 39, 33-41.	1.3	6
44	Spatial relation between a rigid (digital) intraoral X-ray receptor and longitudinal axes of maxillary teeth. Clinical Oral Investigations, 2011, 15, 715-719.	1.4	6
45	Metal artifact reduction in x-ray computed tomography: Inpainting versus missing value. , 2011, , .		6
46	Editorial: CBCT special issue. Dentomaxillofacial Radiology, 2015, 44, 20140380.	1.3	6
47	Influence of Three-dimensional Imaging on Implant Treatment Planning: Implant Diameter and Length. Journal of Contemporary Dental Practice, 2018, 19, 704-711.	0.2	6
48	Software for automated application of a reference-based method for a posterior determination of the effective radiographic imaging geometry. Dentomaxillofacial Radiology, 2005, 34, 205-211.	1.3	5
49	A contact-free volumetric measurement of facial volume after third molar osteotomy: proof of concept. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2014, 117, e51-e56.	0.2	5
50	Correlation of objective image quality and working length measurements in different CBCT machines: An ex vivo study. Scientific Reports, 2020, 10, 19414.	1.6	5
51	Three-Dimensional Classification of Lower Third Molars and Their Relationship to the Mandibular Canal. Journal of Oral and Maxillofacial Surgery, 2021, 79, 1611-1620.	0.5	5
52	Alignment of cone beam computed tomography data using intra-oral fiducial markers. Computerized Medical Imaging and Graphics, 2010, 34, 543-552.	3.5	4
53	The ethics of scientific publishing. Dentomaxillofacial Radiology, 2012, 41, 355-355.	1.3	4
54	Editorial. Dentomaxillofacial Radiology, 2012, 41, 443-443.	1.3	4

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55	Effects of minute misregistrations of prefabricated markers for image-guided dental implant surgery: an analytical evaluation. <i>Clinical Oral Implants Research</i> , 2013, 24, 1339-1346.	1.9	4
56	Simple computation of the approximated modulation transfer function (MTF) using spreadsheet-software: method and evaluation in five maxillofacial CBCT-devices. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20180350.	1.3	4
57	Fractal dimension in CBCT images as predictor for MRONJ: a retrospective cohort study. <i>Clinical Oral Investigations</i> , 2021, 25, 2113-2118.	1.4	4
58	Diagnostic yield of ink-jet prints from digital radiographs for the assessment of approximal carious lesions: ROC-analysis. <i>European Journal of Radiology</i> , 2011, 79, 277-282.	1.2	3
59	Role of ambient light in the detection of contrast elements in digital dental radiography. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 126, 439-443.	0.2	3
60	Ink-jet printout of radiographs on transparent film and glossy paper versus monitor display: an ROC analysis. <i>Clinical Oral Investigations</i> , 2011, 15, 351-356.	1.4	2
61	Editorial. <i>Dentomaxillofacial Radiology</i> , 2012, 41, 1-2.	1.3	2
62	Editorial: guidelines for oral and maxillofacial radiology. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20160034.	1.3	2
63	Radiation protection vs research interests. <i>Dentomaxillofacial Radiology</i> , 2013, 42, 20120348.	1.3	1
64	Editorial 1/2018. <i>Dentomaxillofacial Radiology</i> , 2018, 47, 20170359.	1.3	1
65	The effects of examiner fatigue on the diagnostic accuracy of dental radiographs. <i>Clinical Oral Investigations</i> , 2021, 25, 6193-6199.	1.4	1
66	Letter to the Editor / Reply. <i>Caries Research</i> , 2009, 43, 81-82.	0.9	0
67	Total Variation Regularization in Digital Breast Tomosynthesis. <i>Informatik Aktuell</i> , 2013, , 356-361.	0.4	0
68	Continuous publication. <i>Dentomaxillofacial Radiology</i> , 2013, 42, 20130124.	1.3	0
69	Why so few case reports—why (systematic) reviews instead?. <i>Dentomaxillofacial Radiology</i> , 2013, 42, 20130272.	1.3	0
70	EDITORIAL. <i>Dentomaxillofacial Radiology</i> , 2013, 42, 20120344-20120344.	1.3	0
71	Challenges for a new year. <i>Dentomaxillofacial Radiology</i> , 2014, 43, 20130411.	1.3	0
72	The success of cone beam CT. <i>Dentomaxillofacial Radiology</i> , 2014, 43, 20140109.	1.3	0

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73	Construction of a low-cost surface scanner for medical studies: a feasibility study. <i>Oral Radiology</i> , 2016, 32, 211-216.	0.9	0
74	Editorial 1/2016. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150242.	1.3	0
75	Image Quality. , 2018, , 95-112.		0
76	<i>Dentomaxillofacial Radiology</i> in 2020â€”Exciting developments ahead. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20209001.	1.3	0