

Ralf K W Schulze

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

2,069
citations

471509

17
h-index

254184

43
g-index

76
all docs

76
docs citations

76
times ranked

2061
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractal dimension in CBCT images as predictor for MRONJ: a retrospective cohort study. <i>Clinical Oral Investigations</i> , 2021, 25, 2113-2118.	3.0	4
2	The effects of examiner fatigue on the diagnostic accuracy of dental radiographs. <i>Clinical Oral Investigations</i> , 2021, 25, 6193-6199.	3.0	1
3	Three-Dimensional Classification of Lower Third Molars and Their Relationship to the Mandibular Canal. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021, 79, 1611-1620.	1.2	5
4	<i>Dentomaxillofacial Radiology</i> in 2020â€”Exciting developments ahead. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20209001.	2.7	0
5	Correlation of objective image quality and working length measurements in different CBCT machines: An ex vivo study. <i>Scientific Reports</i> , 2020, 10, 19414.	3.3	5
6	Cone-beam computed tomography and its applications in dental and maxillofacial radiology. <i>Clinical Radiology</i> , 2020, 75, 647-657.	1.1	24
7	Projectionâ€based improvement of 3D reconstructions from motionâ€impaired dental cone beam CT data. <i>Medical Physics</i> , 2019, 46, 4470-4480.	3.0	13
8	A method for automatic forensic facial reconstruction based on dense statistics of soft tissue thickness. <i>PLoS ONE</i> , 2019, 14, e0210257.	2.5	41
9	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.	2.7	4
10	Accuracy in Detecting Artificial Root Resorption in Panoramic Radiography versus Tomosynthetic Panoramic Radiographs. <i>Journal of Endodontics</i> , 2019, 45, 634-639.e2.	3.1	8
11	Detection accuracy of maxillary sinus floor septa in panoramic radiographs using CBCT as gold standard: a multi-observer receiver operating characteristic (ROC) study. <i>Clinical Oral Investigations</i> , 2019, 23, 99-105.	3.0	8
12	Editorial 1/2018. <i>Dentomaxillofacial Radiology</i> , 2018, 47, 20170359.	2.7	1
13	Image Quality. , 2018, , 95-112.		0
14	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.	0.4	3
15	Influence of Three-dimensional Imaging on Implant Treatment Planning: Implant Diameter and Length. <i>Journal of Contemporary Dental Practice</i> , 2018, 19, 704-711.	0.5	6
16	Skin entrance dose with and without lead apron in digital panoramic radiography for selected sensitive body regions. <i>Clinical Oral Investigations</i> , 2017, 21, 1327-1333.	3.0	8
17	Influence of a Commercial Lead Apron on Patient Skin Dose Delivered During Oral and Maxillofacial Examinations under Cone Beam Computed Tomography (CBCT). <i>Health Physics</i> , 2017, 113, 129-134.	0.5	11
18	Presurgical evaluation of bony implant sites using panoramic radiography and cone beam computed tomographyâ€”influence of medical education. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20160081.	2.7	19

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19	Implant treatment planning regarding augmentation procedures: panoramic radiographs vs. cone beam computed tomography images. <i>Clinical Oral Implants Research</i> , 2016, 27, 1010-1016.	4.5	14
20	Construction of a low-cost surface scanner for medical studies: a feasibility study. <i>Oral Radiology</i> , 2016, 32, 211-216.	1.9	0
21	Editorial 1/2016. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150242.	2.7	0
22	Editorial: guidelines for oral and maxillofacial radiology. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20160034.	2.7	2
23	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.	0.4	24
24	Spatial resolution in CBCT machines for dental/maxillofacial applications – what do we know today?. <i>Dentomaxillofacial Radiology</i> , 2015, 44, 20140204.	2.7	139
25	Editorial: CBCT special issue. <i>Dentomaxillofacial Radiology</i> , 2015, 44, 20140380.	2.7	6
26	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.	0.4	23
27	Challenges for a new year. <i>Dentomaxillofacial Radiology</i> , 2014, 43, 20130411.	2.7	0
28	A contact-free volumetric measurement of facial volume after third molar osteotomy: proof of concept. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 117, e51-e56.	0.4	5
29	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.	2.7	90
30	The success of cone beam CT. <i>Dentomaxillofacial Radiology</i> , 2014, 43, 20140109.	2.7	0
31	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.	0.4	67
32	The influence of ambient lighting on the detection of small contrast elements in digital dental radiographs. <i>Clinical Oral Investigations</i> , 2013, 17, 1727-1731.	3.0	10
33	Dental CBCT equipment and performance issues. <i>Radiation Protection Dosimetry</i> , 2013, 153, 212-218.	0.8	38
34	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.	4.5	4
35	Contrast curves of five different intraoral X-ray sensors: a technical note. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 115, e55-e61.	0.4	7
36	Total Variation Regularization in Digital Breast Tomosynthesis. <i>Informatik Aktuell</i> , 2013, , 356-361.	0.6	0

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37	Continuous publication. Dentomaxillofacial Radiology, 2013, 42, 20130124.	2.7	0
38	Why so few case reports—why (systematic) reviews instead?. Dentomaxillofacial Radiology, 2013, 42, 20130272.	2.7	0
39	Radiation protection vs research interests. Dentomaxillofacial Radiology, 2013, 42, 20120348.	2.7	1
40	EDITORIAL. Dentomaxillofacial Radiology, 2013, 42, 20120344-20120344.	2.7	0
41	Auto calibration of a cone beam CT. Medical Physics, 2012, 39, 5959-5970.	3.0	18
42	Editorial. Dentomaxillofacial Radiology, 2012, 41, 1-2.	2.7	2
43	The ethics of scientific publishing. Dentomaxillofacial Radiology, 2012, 41, 355-355.	2.7	4
44	Editorial. Dentomaxillofacial Radiology, 2012, 41, 443-443.	2.7	4
45	Future prospects for dental cone beam CT imaging. Imaging in Medicine, 2012, 4, 551-563.	0.0	18
46	Necessity of 3D visualization for the removal of lower wisdom teeth: required sample size to prove non-inferiority of panoramic radiography compared to CBCT. Clinical Oral Investigations, 2012, 16, 699-706.	3.0	34
47	Correlation of cone beam computed tomography (CBCT) findings in the maxillary sinus with dental diagnoses: a retrospective cross-sectional study. Clinical Oral Investigations, 2012, 16, 1023-1029.	3.0	62
48	Artefacts in CBCT: a review. Dentomaxillofacial Radiology, 2011, 40, 265-273.	2.7	711
49	Diagnostic yield of ink-jet prints from digital radiographs for the assessment of approximal carious lesions: ROC-analysis. European Journal of Radiology, 2011, 79, 277-282.	2.6	3
50	Ink-jet printout of radiographs on transparent film and glossy paper versus monitor display: an ROC analysis. Clinical Oral Investigations, 2011, 15, 351-356.	3.0	2
51	Spatial relation between a rigid (digital) intraoral X-ray receptor and longitudinal axes of maxillary teeth. Clinical Oral Investigations, 2011, 15, 715-719.	3.0	6
52	Length of endodontic files measured in digital radiographs with and without noise-suppression filters: an ex-vivo study. Dentomaxillofacial Radiology, 2011, 40, 170-176.	2.7	9
53	Metal artifact reduction in x-ray computed tomography: Inpainting versus missing value. , 2011, , .		6
54	Ex vivo radiographic tooth length measurements with the reference sphere method (RSM). Clinical Oral Investigations, 2010, 14, 645-651.	3.0	6

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55	Alignment of cone beam computed tomography data using intra-oral fiducial markers. <i>Computerized Medical Imaging and Graphics</i> , 2010, 34, 543-552.	5.8	4
56	On cone-beam computed tomography artifacts induced by titanium implants. <i>Clinical Oral Implants Research</i> , 2010, 21, 100-107.	4.5	240
57	Pose determination of a cylindrical (dental) implant in three-dimensions from a single two-dimensional radiograph. <i>Dentomaxillofacial Radiology</i> , 2010, 39, 33-41.	2.7	6
58	GPU-Based Volume Reconstruction from Very Few Arbitrarily Aligned X-Ray Images. <i>SIAM Journal of Scientific Computing</i> , 2010, 31, 4204-4221.	2.8	10
59	The Treatment of Anterior Dental Trauma. <i>Deutsches Zahnärzteblatt International</i> , 2010, 108, 565-70.	0.9	19
60	Letter to the Editor / Reply. <i>Caries Research</i> , 2009, 43, 81-82.	2.0	0
61	Quality of individually calibrated customary printers for assessment of typical dental diagnoses on glossy paper prints: a multicenter pilot study. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 106, 578-586.	1.4	6
62	The Effect of Wavelet and Discrete Cosine Transform Compression of Digital Radiographs on the Detection of Subtle Proximal Caries. <i>Caries Research</i> , 2008, 42, 334-339.	2.0	10
63	Accurate registration of random radiographic projections based on three spherical references for the purpose of few-view 3D reconstruction. <i>Medical Physics</i> , 2008, 35, 546-555.	3.0	7
64	In vitro perception of low-contrast features in digital, film, and digitized dental radiographs: A receiver operating characteristic analysis. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2007, 103, 694-701.	1.4	17
65	Epulis granulomatosa as an oral manifestation of Klippel-Tränaunay syndrome. <i>Journal of Oral Pathology and Medicine</i> , 2006, 35, 576-578.	2.7	11
66	Software for automated application of a reference-based method for a posterior determination of the effective radiographic imaging geometry. <i>Dentomaxillofacial Radiology</i> , 2005, 34, 205-211.	2.7	5
67	Determination of projection geometry from quantitative assessment of the distortion of spherical references in single-view projection radiography. <i>Medical Physics</i> , 2004, 31, 2849-2854.	3.0	16
68	In vitro carious lesion detection on D-, E-, and F-speed radiographic films. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2004, 97, 529-534.	1.4	14
69	B-mode versus A-mode ultrasonographic measurements of mucosal thickness in vivo. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2002, 93, 110-117.	1.4	27
70	Contrast perception in digitized panoramic radiographs compared with their film-based origin. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2002, 94, 388-394.	1.4	14
71	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.	1.7	26
72	Mathematical analysis of projection errors in the parallelizing technique with respect to implant geometry. <i>Clinical Oral Implants Research</i> , 2001, 12, 364-371.	4.5	32

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73	Cytotoxicity of Root Canal Filling Materials to Three Different Human Cell Lines. Journal of Endodontics, 2000, 26, 703-707.	3.1	50
74	Precision and accuracy of measurements in digital panoramic radiography. Dentomaxillofacial Radiology, 0, 29, 52-56.	2.7	63
75	A new method for the radiological investigation of residual ridge resorption in the maxilla. Dentomaxillofacial Radiology, 0, 29, 368-375.	2.7	8
76	A method to calculate angular disparities between object and receptor in 'paralleling technique'. Dentomaxillofacial Radiology, 0, 31, 32-38.	2.7	8