

Ralf K W Schulze

List of Publications by Citations

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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.

61

papers

1,518

citations

16

h-index

38

g-index

76

ext. papers

1,766

ext. citations

3.3

avg, IF

4.7

L-index

#	Paper	IF	Citations
61	Artefacts in CBCT: a review. <i>Dentomaxillofacial Radiology</i> , 2011 , 40, 265-73	3.9	514
60	On cone-beam computed tomography artifacts induced by titanium implants. <i>Clinical Oral Implants Research</i> , 2010 , 21, 100-7	4.8	188
59	Spatial resolution in CBCT machines for dental/maxillofacial applications-what do we know today?. <i>Dentomaxillofacial Radiology</i> , 2015 , 44, 20140204	3.9	104
58	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	3.9	60
57	Precision and accuracy of measurements in digital panoramic radiography. <i>Dentomaxillofacial Radiology</i> , 2009 , 38, 52-56	3.9	55
56	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, 1023-9	4.2	51
55	Cytotoxicity of root canal filling materials to three different human cell lines. <i>Journal of Endodontics</i> , 2000 , 26, 703-7	4.7	44
54	Dental CBCT equipment and performance issues. <i>Radiation Protection Dosimetry</i> , 2013 , 153, 212-8	0.9	28
53	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	4.2	28
52	Mathematical analysis of projection errors in "paralleling technique" with respect to implant geometry. <i>Clinical Oral Implants Research</i> , 2001 , 12, 364-71	4.8	24
51	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, 468-72	2	21
50	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, 419-24	2	19
49	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, 635-42	2.1	18
48	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, 110-7		18
47	A method for automatic forensic facial reconstruction based on dense statistics of soft tissue thickness. <i>PLoS ONE</i> , 2019 , 14, e0210257	3.7	17
46	Future prospects for dental cone beam CT imaging. <i>Imaging in Medicine</i> , 2012 , 4, 551-563	1	15
45	Determination of projection geometry from quantitative assessment of the distortion of spherical references in single-view projection radiography. <i>Medical Physics</i> , 2004 , 31, 2849-54	4.4	14

44	The treatment of anterior dental trauma. <i>Deutsches A&#x0308;rzteblatt International</i> , 2010 , 108, 565-70	2.5	14
43	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		13
42	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, 529-34		13
41	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, 388-94		13
40	Auto calibration of a cone-beam-CT. <i>Medical Physics</i> , 2012 , 39, 5959-70	4.4	11
39	Presurgical evaluation of bony implant sites using panoramic radiography and cone beam computed tomography-influence of medical education. <i>Dentomaxillofacial Radiology</i> , 2017 , 46, 20160081-9	3.9	10
38	The effect of wavelet and discrete cosine transform compression of digital radiographs on the detection of subtle proximal caries. ROC analysis. <i>Caries Research</i> , 2008 , 42, 334-9	4.2	10
37	Cone-beam computed tomography and its applications in dental and maxillofacial radiology. <i>Clinical Radiology</i> , 2020 , 75, 647-657	2.9	9
36	Projection-based improvement of 3D reconstructions from motion-impaired dental cone beam CT data. <i>Medical Physics</i> , 2019 , 46, 4470-4480	4.4	8
35	The influence of ambient lighting on the detection of small contrast elements in digital dental radiographs. <i>Clinical Oral Investigations</i> , 2013 , 17, 1727-31	4.2	8
34	GPU-Based Volume Reconstruction from Very Few Arbitrarily Aligned X-Ray Images. <i>SIAM Journal of Scientific Computing</i> , 2010 , 31, 4204-4221	2.6	8
33	Implant treatment planning regarding augmentation procedures: panoramic radiographs vs. cone beam computed tomography images. <i>Clinical Oral Implants Research</i> , 2016 , 27, 1010-6	4.8	8
32	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, e55-61	2	7
31	Length of endodontic files measured in digital radiographs with and without noise-suppression filters: an ex-vivo study. <i>Dentomaxillofacial Radiology</i> , 2011 , 40, 170-6	3.9	7
30	A new method for the radiological investigation of residual ridge resorption in the maxilla. <i>Dentomaxillofacial Radiology</i> , 2009 , 38, 368-375	3.9	7
29	A method to calculate angular disparities between object and receptor in the parallelizing technique. <i>Dentomaxillofacial Radiology</i> , 2009 , 38, 32-38	3.9	7
28	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	2.3	6
27	Pose determination of a cylindrical (dental) implant in three-dimensions from a single two-dimensional radiograph. <i>Dentomaxillofacial Radiology</i> , 2010 , 39, 33-41	3.9	6

26	Ex vivo radiographic tooth length measurements with the reference sphere method (RSM). <i>Clinical Oral Investigations</i> , 2010 , 14, 645-51	4.2	6
25	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, 578-86		6
24	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, 546-55	4.4	6
23	Epulis granulomatosa as an oral manifestation of Klippel-Träunay syndrome. <i>Journal of Oral Pathology and Medicine</i> , 2006 , 35, 576-8	3.3	6
22	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	4.2	5
21	Software for automated application of a reference-based method for a posteriori determination of the effective radiographic imaging geometry. <i>Dentomaxillofacial Radiology</i> , 2005 , 34, 205-11	3.9	5
20	Spatial relation between a rigid (digital) intraoral X-ray receptor and longitudinal axes of maxillary teeth. <i>Clinical Oral Investigations</i> , 2011 , 15, 715-9	4.2	4
19	Alignment of cone beam computed tomography data using intra-oral fiducial markers. <i>Computerized Medical Imaging and Graphics</i> , 2010 , 34, 543-52	7.6	4
18	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	4.2	4
17	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	3.9	3
16	Accuracy in Detecting Artificial Root Resorption in Panoramic Radiography versus Tomosynthetic Panoramic Radiographs. <i>Journal of Endodontics</i> , 2019 , 45, 634-639.e2	4.7	3
15	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, e51-6	2	3
14	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, 277-82	4.7	3
13	Influence of Three-dimensional Imaging on Implant Treatment Planning: Implant Diameter and Length. <i>Journal of Contemporary Dental Practice</i> , 2018 , 19, 704-711	0.7	3
12	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	2	3
11	Ink-jet printout of radiographs on transparent film and glossy paper versus monitor display: an ROC analysis. <i>Clinical Oral Investigations</i> , 2011 , 15, 351-6	4.2	2
10	Metal artifact reduction in x-ray computed tomography: Inpainting versus missing value 2011 ,		2
9	Correlation of objective image quality and working length measurements in different CBCT machines: An ex vivo study. <i>Scientific Reports</i> , 2020 , 10, 19414	4.9	2

8	Fractal dimension in CBCT images as predictor for MRONJ: a retrospective cohort study. <i>Clinical Oral Investigations</i> , 2021 , 25, 2113-2118	4.2	2
7	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	1.8	2
6	Effects of minute misregistrations of prefabricated markers for image-guided dental implant surgery: an analytical evaluation. <i>Clinical Oral Implants Research</i> , 2013 , 24, 1339-46	4.8	1
5	Image Quality 2018 , 95-112		
4	Construction of a low-cost surface scanner for medical studies: a feasibility study. <i>Oral Radiology</i> , 2016 , 32, 211-216	2.5	
3	Total Variation Regularization in Digital Breast Tomosynthesis. <i>Informatik Aktuell</i> , 2013 , 356-361	0.3	
2	Constant compression ratio does not assure image detail preservation. <i>Caries Research</i> , 2009 , 43, 81; author reply 82	4.2	
1	The effects of examiner fatigue on the diagnostic accuracy of dental radiographs. <i>Clinical Oral Investigations</i> , 2021 , 25, 6193-6199	4.2	