

# Ralf K W Schulze

## List of Publications by Year in Descending Order

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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	The effects of examiner fatigue on the diagnostic accuracy of dental radiographs. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 6193-6199	4.2	
60	Fractal dimension in CBCT images as predictor for MRONJ: a retrospective cohort study. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 2113-2118	4.2	2
59	Three-Dimensional Classification of Lower Third Molars and Their Relationship to the Mandibular Canal. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2021</b> , 79, 1611-1620	1.8	2
58	Cone-beam computed tomography and its applications in dental and maxillofacial radiology. <i>Clinical Radiology</i> , <b>2020</b> , 75, 647-657	2.9	9
57	Correlation of objective image quality and working length measurements in different CBCT machines: An ex vivo study. <i>Scientific Reports</i> , <b>2020</b> , 10, 19414	4.9	2
56	A method for automatic forensic facial reconstruction based on dense statistics of soft tissue thickness. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210257	3.7	17
55	Simple computation of the approximated modulation transfer function (MTF) using spreadsheet-software: method and evaluation in five maxillofacial CBCT-devices. <i>Dentomaxillofacial Radiology</i> , <b>2019</b> , 48, 20180350	3.9	3
54	Accuracy in Detecting Artificial Root Resorption in Panoramic Radiography versus Tomosynthetic Panoramic Radiographs. <i>Journal of Endodontics</i> , <b>2019</b> , 45, 634-639.e2	4.7	3
53	Projection-based improvement of 3D reconstructions from motion-impaired dental cone beam CT data. <i>Medical Physics</i> , <b>2019</b> , 46, 4470-4480	4.4	8
52	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> , <b>2019</b> , 23, 99-105	4.2	4
51	Image Quality <b>2018</b> , 95-112		
50	Influence of Three-dimensional Imaging on Implant Treatment Planning: Implant Diameter and Length. <i>Journal of Contemporary Dental Practice</i> , <b>2018</b> , 19, 704-711	0.7	3
49	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> , <b>2018</b> , 126, 439-443	2	3
48	Skin entrance dose with and without lead apron in digital panoramic radiography for selected sensitive body regions. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 1327-1333	4.2	5
47	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> , <b>2017</b> , 113, 129-134	2.3	6
46	Presurgical evaluation of bony implant sites using panoramic radiography and cone beam computed tomography-influence of medical education. <i>Dentomaxillofacial Radiology</i> , <b>2017</b> , 46, 20160081	3.9	10
45	Construction of a low-cost surface scanner for medical studies: a feasibility study. <i>Oral Radiology</i> , <b>2016</b> , 32, 211-216	2.5	

44	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> , <b>2016</b> , 121, 419-24	2	19
43	Implant treatment planning regarding augmentation procedures: panoramic radiographs vs. cone beam computed tomography images. <i>Clinical Oral Implants Research</i> , <b>2016</b> , 27, 1010-6	4.8	8
42	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> , <b>2015</b> , 119, 468-72	2	21
41	Spatial resolution in CBCT machines for dental/maxillofacial applications-what do we know today?. <i>Dentomaxillofacial Radiology</i> , <b>2015</b> , 44, 20140204	3.9	104
40	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> , <b>2014</b> , 43, 20130291	2.9	60
39	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> , <b>2014</b> , 117, e51-6	2	3
38	The influence of ambient lighting on the detection of small contrast elements in digital dental radiographs. <i>Clinical Oral Investigations</i> , <b>2013</b> , 17, 1727-31	4.2	8
37	Dental CBCT equipment and performance issues. <i>Radiation Protection Dosimetry</i> , <b>2013</b> , 153, 212-8	0.9	28
36	Effects of minute misregistrations of prefabricated markers for image-guided dental implant surgery: an analytical evaluation. <i>Clinical Oral Implants Research</i> , <b>2013</b> , 24, 1339-46	4.8	1
35	Contrast curves of five different intraoral X-ray sensors: a technical note. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2013</b> , 115, e55-61	2	7
34	Total Variation Regularization in Digital Breast Tomosynthesis. <i>Informatik Aktuell</i> , <b>2013</b> , 356-361	0.3	
33	Future prospects for dental cone beam CT imaging. <i>Imaging in Medicine</i> , <b>2012</b> , 4, 551-563	1	15
32	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> , <b>2012</b> , 16, 699-706	4.2	28
31	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> , <b>2012</b> , 16, 1023-9	4.2	51
30	Auto calibration of a cone-beam-CT. <i>Medical Physics</i> , <b>2012</b> , 39, 5959-70	4.4	11
29	Artefacts in CBCT: a review. <i>Dentomaxillofacial Radiology</i> , <b>2011</b> , 40, 265-73	3.9	514
28	Diagnostic yield of ink-jet prints from digital radiographs for the assessment of approximal carious lesions: ROC-analysis. <i>European Journal of Radiology</i> , <b>2011</b> , 79, 277-82	4.7	3
27	Ink-jet printout of radiographs on transparent film and glossy paper versus monitor display: an ROC analysis. <i>Clinical Oral Investigations</i> , <b>2011</b> , 15, 351-6	4.2	2

26	Spatial relation between a rigid (digital) intraoral X-ray receptor and longitudinal axes of maxillary teeth. <i>Clinical Oral Investigations</i> , <b>2011</b> , 15, 715-9	4.2	4
25	Length of endodontic files measured in digital radiographs with and without noise-suppression filters: an ex-vivo study. <i>Dentomaxillofacial Radiology</i> , <b>2011</b> , 40, 170-6	3.9	7
24	Metal artifact reduction in x-ray computed tomography: Inpainting versus missing value <b>2011</b> ,		2
23	On cone-beam computed tomography artifacts induced by titanium implants. <i>Clinical Oral Implants Research</i> , <b>2010</b> , 21, 100-7	4.8	188
22	Pose determination of a cylindrical (dental) implant in three-dimensions from a single two-dimensional radiograph. <i>Dentomaxillofacial Radiology</i> , <b>2010</b> , 39, 33-41	3.9	6
21	GPU-Based Volume Reconstruction from Very Few Arbitrarily Aligned X-Ray Images. <i>SIAM Journal of Scientific Computing</i> , <b>2010</b> , 31, 4204-4221	2.6	8
20	Ex vivo radiographic tooth length measurements with the reference sphere method (RSM). <i>Clinical Oral Investigations</i> , <b>2010</b> , 14, 645-51	4.2	6
19	Alignment of cone beam computed tomography data using intra-oral fiducial markers. <i>Computerized Medical Imaging and Graphics</i> , <b>2010</b> , 34, 543-52	7.6	4
18	The treatment of anterior dental trauma. <i>Deutsches A&amp;#x0308;rzteblatt International</i> , <b>2010</b> , 108, 565-70	2.5	14
17	Constant compression ratio does not assure image detail preservation. <i>Caries Research</i> , <b>2009</b> , 43, 81; author reply 82	4.2	
16	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> , <b>2008</b> , 106, 578-86		6
15	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> , <b>2008</b> , 42, 334-9	4.2	10
14	Accurate registration of random radiographic projections based on three spherical references for the purpose of few-view 3D reconstruction. <i>Medical Physics</i> , <b>2008</b> , 35, 546-55	4.4	6
13	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> , <b>2007</b> , 103, 694-701		13
12	Epulis granulomatosa as an oral manifestation of Klippel-TrBaunay syndrome. <i>Journal of Oral Pathology and Medicine</i> , <b>2006</b> , 35, 576-8	3.3	6
11	Software for automated application of a reference-based method for a posteriori determination of the effective radiographic imaging geometry. <i>Dentomaxillofacial Radiology</i> , <b>2005</b> , 34, 205-11	3.9	5
10	Determination of projection geometry from quantitative assessment of the distortion of spherical references in single-view projection radiography. <i>Medical Physics</i> , <b>2004</b> , 31, 2849-54	4.4	14
9	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> , <b>2004</b> , 97, 529-34		13

8	Landmark identification on direct digital versus film-based cephalometric radiographs: a human skull study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2002</b> , 122, 635-42	2.1	18
7	B-mode versus A-mode ultrasonographic measurements of mucosal thickness in vivo. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2002</b> , 93, 110-7		18
6	Contrast perception in digitized panoramic radiographs compared with their film-based origin. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2002</b> , 94, 388-94		13
5	Mathematical analysis of projection errors in "paralleling technique" with respect to implant geometry. <i>Clinical Oral Implants Research</i> , <b>2001</b> , 12, 364-71	4.8	24
4	Cytotoxicity of root canal filling materials to three different human cell lines. <i>Journal of Endodontics</i> , <b>2000</b> , 26, 703-7	4.7	44
3	Precision and accuracy of measurements in digital panoramic radiography. <i>Dentomaxillofacial Radiology</i> , 29, 52-56	3.9	55
2	A new method for the radiological investigation of residual ridge resorption in the maxilla. <i>Dentomaxillofacial Radiology</i> , 29, 368-375	3.9	7
1	A method to calculate angular disparities between object and receptor in "paralleling technique". <i>Dentomaxillofacial Radiology</i> , 31, 32-38	3.9	7