Reinhilde Jacobs

List of Publications by Year
in descending order

577 papers	22,958 citations	7568 77 h-index	20358 116 g-index
587 all docs	587 docs citations	587 times ranked	11780 citing authors

#	Article	IF	Citations
1	Effective dose range for dental cone beam computed tomography scanners. European Journal of Radiology, 2012, 81, 267-271.	2.6	485
2	Comparison between effective radiation dose of CBCT and MSCT scanners for dentomaxillofacial applications. European Journal of Radiology, 2009, 71, 461-468.	2.6	428
3	Maxillary bone resorption in patients with mandibular implant-supported overdentures or fixed prostheses. Journal of Prosthetic Dentistry, 1993, 70, 135-140.	2.8	323
4	A comparative evaluation of Cone Beam Computed Tomography (CBCT) and Multi-Slice CT (MSCT). European Journal of Radiology, 2010, 75, 265-269.	2.6	312
5	State-of-the-art on cone beam CT imaging for preoperative planning of implant placement. Clinical Oral Investigations, 2006, 10, 1-7.	3.0	283
6	Accuracy of implant placement based on pre-surgical planning of three-dimensional cone-beam images: a pilot study. Journal of Clinical Periodontology, 2007, 34, 816-821.	4.9	265
7	CBCT-based bone quality assessment: are Hounsfield units applicable?. Dentomaxillofacial Radiology, 2015, 44, 20140238.	2.7	264
8	Cone beam computed tomography in implant dentistry: recommendations for clinical use. BMC Oral Health, 2018, 18, 88.	2.3	241
9	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. Clinical Oral Implants Research, 2012, 23, 1243-1253.	4.5	239
10	Cone Beam Computed Tomography in Implant Dentistry: A Systematic Review Focusing on Guidelines, Indications, and Radiation Dose Risks. International Journal of Oral and Maxillofacial Implants, 2014, 29, 55-77.	1.4	237
11	Accuracy of computer-aided implant placement. Clinical Oral Implants Research, 2012, 23, 112-123.	4.5	213
12	The relative impact of local and endogenous patient-related factors on implant failure up to the abutment stage. Clinical Oral Implants Research, 2002, 13, 617-622.	4.5	205
13	Comparison of two cone beam computed tomographic systems versus panoramic imaging for localization of impacted maxillary canines and detection of root resorption. European Journal of Orthodontics, 2011, 33, 93-102.	2.4	193
14	Biologic outcome of implant-supported restorations in the treatment of partial edentulism. Clinical Oral Implants Research, 2002, 13, 381-389.	4.5	186
15	A comparative evaluation of Cone Beam Computed Tomography (CBCT) and Multi-Slice CT (MSCT). Part II: On 3D model accuracy. European Journal of Radiology, 2010, 75, 270-274.	2.6	182
16	E.A.O. Guidelines for the use of Diagnostic Imaging in Implant Dentistry. Clinical Oral Implants Research, 2002, 13, 566-570.	4.5	174
17	Cone-beam CT in paediatric dentistry: DIMITRA project position statement. Pediatric Radiology, 2018, 48, 308-316.	2.0	174
18	Modern dental imaging: a review of the current technology and clinical applications in dental practice. European Radiology, 2010, 20, 2637-2655.	4.5	166

#	ARTICLE	IF	CITATIONS
19	Quantification of metal artifacts on cone beam computed tomography images. Clinical Oral Implants Research, 2013, 24, 94-99.	4.5	165
20	Comparative localized linear accuracy of small-field cone-beam CT and multislice CT for alveolar bone measurements. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2008, 105, 512-518.	1.4	160
21	Appearance, location, course, and morphology of the mandibular incisive canal: an assessment on spiral CT scan.. Dentomaxillofacial Radiology, 2002, 31, 322-327.	2.7	150
22	Dental age estimation through volume matching of teeth imaged by cone-beam CT. Forensic Science International, 2006, 159, S78-S83.	2.2	150
23	Assessment of variations of the mandibular canal through cone beam computed tomography. Clinical Oral Investigations, 2012, 16, 387-393.	3.0	150
24	Computerâ€supported implant planning and guidedÂsurgery: a narrative review. Clinical Oral Implants Research, 2015, 26, 69-76.	4.5	148
25	Estimation of paediatric organ and effective doses from dental cone beam CT using anthropomorphic phantoms. British Journal of Radiology, 2012, 85, 153-160.	2.2	147
26	Analysis of intensity variability in multislice and cone beam computed tomography. Clinical Oral Implants Research, 2011, 22, 873-879.	4.5	145
27	A randomized clinical trial comparing guided implant surgery (boneâ€or mucosaâ€supported) with mental navigation or the use of a pilotâ€drill template. Journal of Clinical Periodontology, 2014, 41, 717-723.	4.9	139
28	Role of periodontal ligament receptors in the tactile function of teeth: a review. Journal of Periodontal Research, 1994, 29, 153-167.	2.7	138
29	Root resorption of the maxillary lateral incisor caused by impacted canine: a literature review. Clinical Oral Investigations, 2009, 13, 247-255.	3.0	138
30	The nasopalatine canal revisited using 2D and 3D CT imaging. Dentomaxillofacial Radiology, 2004, 33, 396-402.	2.7	135
31	The use of CT scan based planning for oral rehabilitation by means of implants and its transfer to the surgical field: a critical review on accuracy. Journal of Oral Rehabilitation, 2008, 35, 454-474.	3.0	135
32	Predisposing conditions for retrograde peri-implantitis, and treatment suggestions. Clinical Oral Implants Research, 2005, 16, 599-608.	4.5	134
33	Detection of periodontal bone loss using digital intraoral and cone beam computed tomography images: an *inÂvitro* assessment of bony and/or infrabony defects. Dentomaxillofacial Radiology, 2008, 37, 252-260.	2.7	134
34	Diagnosing osteoporosis by using dental panoramic radiographs: The OSTEODENT project. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 104, 821-828.	1.4	132
35	Assessment of bone segmentation quality of cone-beam CT versus multislice spiral CT: a pilot study. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2006, 102, 225-234.	1.4	130
36	Diagnostic validity (or acuity) of 2D CCD versus 3D CBCT-images for assessing periodontal breakdown. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 104, 395-401.	1.4	130

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37	Accuracy of drilling guides for transfer from three-dimensional CT-based planning to placement of zygoma implants in human cadavers. Clinical Oral Implants Research, 2003, 14, 131-136.	4.5	129
38	Possible action mechanism for curcumin in pre-cancerous lesions based on serum and salivary markers of oxidative stress. Journal of Oral Science, 2010, 52, 251-256.	1.7	128
39	Bone quality assessment based on cone beam computed tomography imaging. Clinical Oral Implants Research, 2009, 20, 767-771.	4.5	127
40	Wound Healing Problems in the Mouth. Frontiers in Physiology, 2016, 7, 507.	2.8	123
41	The use of leucocyte and platelet‑rich fibrin in socket management and ridge preservation: a split‑mouth, randomized, controlled clinical trial. Journal of Clinical Periodontology, 2016, 43, 990-999.	4.9	122
42	Presence and course of the incisive canal in the human mandibular interforaminal region: two-dimensional imaging versus anatomical observations. Surgical and Radiologic Anatomy, 2003, 25, 416-423.	1.2	121
43	Neurovascularization of the anterior jaw bones revisited using high-resolution magnetic resonance imaging. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 103, 683-693.	1.4	120
44	Appearance of the mandibular incisive canal on panoramic radiographs. Surgical and Radiologic Anatomy, 2004, 26, 329-333.	1.2	118
45	Image quality *vs* radiation dose of four cone beam computed tomography scanners. Dentomaxillofacial Radiology, 2008, 37, 309-319.	2.7	118
46	Human Dental Age Estimation by Calculation of Pulp‑Tooth Volume Ratios Yielded on Clinically Acquired Cone Beam Computed Tomography Images of Monoradicular Teeth*. Journal of Forensic Sciences, 2011, 56, S77-82.	1.6	114
47	A biomechanical assessment of the relation between the oral implant stability at insertion and subjective bone quality assessment. Journal of Clinical Periodontology, 2007, 34, 359-366.	4.9	113
48	Variability of dental cone beam CT grey values for density estimations. British Journal of Radiology, 2013, 86, 20120135-20120135.	2.2	110
49	Long‑term bone mass evaluation of mandible and lumbar spine in a group of women receiving hormone replacement therapy. European Journal of Oral Sciences, 1996, 104, 10-16.	1.5	105
50	The reliability of pocket probing around screw-type implants. Clinical Oral Implants Research, 1991, 2, 186-192.	4.5	104
51	Influence of scanning and reconstruction parameters on quality of three-dimensional surface models of the dental arches from cone beam computed tomography. Clinical Oral Investigations, 2010, 14, 303-310.	3.0	104
52	A pragmatic approach to determine the optimal kVp in cone beam CT: balancing contrast-to-noise ratio and radiation dose. Dentomaxillofacial Radiology, 2014, 43, 20140059.	2.7	103
53	Lingual foramina on the mandibular midline revisited: A macroanatomical study. Clinical Anatomy, 2007, 20, 246-251.	2.7	102
54	Different techniques of static/dynamic guided implant surgery: modalities and indications. Periodontology 2000, 2014, 66, 214-227.	13.4	102

#	Article	IF	Citations
55	Use of cone beam computed tomography in implant dentistry: current concepts, indications and limitations for clinical practice and research. Periodontology 2000, 2017, 73, 51-72.	13.4	102
56	Tooth loss and osteoporosis: the osteodent study. Journal of Clinical Periodontology, 2009, 36, 190-197.	4.9	101
57	Macroâ€•and microâ€•anatomical, histological and computed tomography scan characterization of the nasopalatine canal. Journal of Clinical Periodontology, 2009, 36, 598-603.	4.9	101
58	Oral stereognosis: a review of the literature. Clinical Oral Investigations, 1998, 2, 3-10.	3.0	99
59	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. Bone, 2007, 40, 223-229.	2.9	96
60	In-vitro comparison of 2 cone-beam computed tomography systems and panoramic imaging for detecting simulated canine impaction-induced external root resorption in maxillary lateral incisors. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 764.e1-764.e11.	1.7	93
61	Accuracy assessment of computerâ€•assisted flapless implant placement in partial edentulism. Journal of Clinical Periodontology, 2010, 37, 398-403.	4.9	93
62	Comparison of spatial and contrast resolution for cone-beam computed tomography scanners. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2012, 114, 127-135.	0.4	93
63	Novel low-dose protocols using cone beam computed tomography in dental medicine: a review focusing on indications, limitations, and future possibilities. Clinical Oral Investigations, 2019, 23, 2573-2581.	3.0	93
64	Basic training requirements for the use of dental CBCT by dentists: a position paper prepared by the European Academy of DentoMaxilloFacial Radiology. Dentomaxillofacial Radiology, 2014, 43, 20130291.	2.7	90
65	Clinical Assessment and Surgical Implications of Anatomic Challenges in the Anterior Mandible. Clinical Implant Dentistry and Related Research, 2003, 5, 219-225.	3.7	88
66	From osseoperception to implant-mediated sensory-motor interactions and related clinical implications*. Journal of Oral Rehabilitation, 2006, 33, 282-292.	3.0	88
67	Dental stem cells and their promising role in neural regeneration: an update. Clinical Oral Investigations, 2013, 17, 1969-1983.	3.0	87
68	Accuracy assessment of three-dimensional surface reconstructions of teeth from Cone Beam Computed Tomography scans. Journal of Oral Rehabilitation, 2010, 37, 352-358.	3.0	86
69	Peri-implant bone tissue assessment by comparing the outcome of intra-oral radiograph and cone beam computed tomography analyses to the histological standard. Clinical Oral Implants Research, 2011, 22, 492-499.	4.5	86
70	Predictability of a three-dimensional planning system for oral implant surgery. Dentomaxillofacial Radiology, 0, 28, 105-111.	2.7	86
71	Salivary Stress Markers, Stress, and Periodontitis: A Pilot Study. Journal of Periodontology, 2011, 82, 287-292.	3.4	85
72	Artificial intelligence-driven novel tool for tooth detection and segmentation on panoramic radiographs. Clinical Oral Investigations, 2021, 25, 2257-2267.	3.0	85

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73	Three-dimensional printed final occlusal splint for orthognathic surgery: design and validation. International Journal of Oral and Maxillofacial Surgery, 2017, 46, 67-71.	1.5	84
74	Relationship between cortical bone thickness or computerized tomography–derived bone density values and implant stability. Clinical Oral Implants Research, 2010, 21, 612-617.	4.5	83
75	Validity of 2D lateral cephalometry in orthodontics: a systematic review. Progress in Orthodontics, 2013, 14, 31.	3.5	83
76	A prospective split-mouth comparative study of two screw-shaped self-tapping pure titanium implant systems. Clinical Oral Implants Research, 2000, 11, 202-209.	4.5	82
77	Posterior jaw bone resorption in osseointegrated implant-supported overdentures. Clinical Oral Implants Research, 1992, 3, 63-70.	4.5	81
78	Imaging Technique Selection for the Preoperative Planning of Oral Implants: A Review of the Literature. Clinical Implant Dentistry and Related Research, 2002, 4, 156-172.	3.7	81
79	An infected jawbone site compromising successful osseointegration. Periodontology 2000, 2003, 33, 129-144.	13.4	79
80	Can preoperative imaging help to predict postoperative outcome after wisdom tooth removal? A randomized controlled trial using panoramic radiography versus cone-beam CT. Clinical Oral Investigations, 2014, 18, 335-342.	3.0	78
81	CBCT in orthodontics: a systematic review on justification of CBCT in a paediatric population prior to orthodontic treatment. European Journal of Orthodontics, 2019, 41, 381-389.	2.4	78
82	Radiomics and Machine Learning in Oral Healthcare. Proteomics - Clinical Applications, 2020, 14, e1900040.	1.6	78
83	Biologic outcome of implant-supported restorations in the treatment of partial edentulism. Clinical Oral Implants Research, 2002, 13, 390-395.	4.5	76
84	Neurovascular anatomical variations in the anterior palate observed on <scp>CBCT</scp> images. Clinical Oral Implants Research, 2013, 24, 1044-1048.	4.5	76
85	Systematic review of the incidence of inferior alveolar nerve injury in bilateral sagittal split osteotomy and the assessment of neurosensory disturbances. International Journal of Oral and Maxillofacial Surgery, 2015, 44, 447-451.	1.5	76
86	Three‐dimensional cephalometric analysis in orthodontics: a systematic review. Orthodontics and Craniofacial Research, 2014, 17, 69-91.	2.8	75
87	Salivary biomarkers for oral cancer and pre-cancer screening: a review. Clinical Oral Investigations, 2018, 22, 633-640.	3.0	75
88	Clinical applications, accuracy and limitations of guided endodontics: a systematic review. International Endodontic Journal, 2020, 53, 214-231.	5.0	75
89	Effective radiation dose and eye lens dose in dental cone beam CT: effect of field of view and angle of rotation. British Journal of Radiology, 2014, 87, 20130654.	2.2	73
90	Comparative evaluation of the oral tactile function by means of teeth or implant-supported prostheses. Clinical Oral Implants Research, 1991, 2, 75-80.	4.5	72

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91	Dosimetry of digital panoramic imaging. Part I: patient exposure. Dentomaxillofacial Radiology, 2005, 34, 145-149.	2.7	72
92	Artificial Intelligence for Fast and Accurate 3-Dimensional Tooth Segmentation on Cone-beam Computed Tomography. Journal of Endodontics, 2021, 47, 827-835.	3.1	72
93	Observer performance in diagnosing osteoporosis by dental panoramic radiographs: Results from the osteoporosis screening project in dentistry (OSPD). Bone, 2008, 43, 209-213.	2.9	71
94	Comparison of 6 cone-beam computed tomography systems for image quality and detection of simulated canine impaction-induced external root resorption in maxillary lateral incisors. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 140, e129-e139.	1.7	71
95	Morphology and dimensions of the mandibular jaw bone in the interforaminal region in patients requiring implants in the distal areas. Clinical Oral Implants Research, 2003, 14, 280-285.	4.5	70
96	Editor's Summary and Q&A. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 764-765.	1.7	70
97	Artefact expression associated with several coneâ€beam computed tomographic machines whenÂimaging root filled teeth. International Endodontic Journal, 2015, 48, 994-1000.	5.0	70
98	Influence of Inflammatory Reactions Vs. Occlusal Loading On Peri-Implant Marginal Bone Level. Advances in Dental Research, 1999, 13, 130-135.	3.6	69
99	Development and applicability of a quality control phantom for dental coneâ€beam CT. Journal of Applied Clinical Medical Physics, 2011, 12, 245-260.	1.9	69
100	Comparative assessment of panoramic radiography and CBCT imaging for radiodiagnostics in the posterior maxilla. Clinical Oral Investigations, 2014, 18, 293-300.	3.0	69
101	The clinical use of deproteinized bovine bone mineral on bone regeneration in conjunction with immediate implant installation. Clinical Oral Implants Research, 2000, 11, 210-216.	4.5	68
102	A comparative evaluation of cone beam CT and micro-CT on trabecular bone structures in the human mandible. Dentomaxillofacial Radiology, 2013, 42, 20130145.	2.7	68
103	Automated osteoporosis risk assessment by dentists: A new pathway to diagnosis. Bone, 2007, 40, 835-842.	2.9	67
104	Radiographic predictors for maxillary canine impaction. American Journal of Orthodontics and Dentofacial Orthopedics, 2015, 147, 345-354.	1.7	67
105	Quantitative evaluation of metal artifacts using different <scp>CBCT</scp> devices, highâ€density materials and field of views. Clinical Oral Implants Research, 2017, 28, 1509-1514.	4.5	67
106	The accuracy and reliability of radiographic methods for the assessment of marginal bone level around oral implants. Dentomaxillofacial Radiology, 0, 31, 176-181.	2.7	67
107	Comparative study of image quality for MSCT and CBCT scanners for dentomaxillofacial radiology applications. Radiation Protection Dosimetry, 2008, 129, 222-226.	0.8	66
108	The immediate rehabilitation by means of a ready-made final fixed prosthesis in the edentulous mandible: a 1-year follow-up study on 50 consecutive patients. Clinical Oral Implants Research, 2004, 15, 360-365.	4.5	65

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109	Depth and lateral deviations in guided implant surgery: an <scp>RCT</scp> comparing guided surgery with mental navigation or the use of a pilot€drill template. Clinical Oral Implants Research, 2015, 26, 1315-1320.	4.5	65
110	Predictability of reformatted computed tomography for pre-operative planning of endosseous implants.. Dentomaxillofacial Radiology, 1999, 28, 37-41.	2.7	64
111	Accuracy and surgical feasibility of a CBCT€based stereolithographic surgical guide aiding autotransplantation of teeth: <i>in vitro</i> validation. Journal of Oral Rehabilitation, 2010, 37, 854-859.	3.0	64
112	A Systematic Review to Uncover a Universal Protocol for Accuracy Assessment of 3-Dimensional Virtually Planned Orthognathic Surgery. Journal of Oral and Maxillofacial Surgery, 2017, 75, 2430-2440.	1.2	64
113	Oral mucosal versus cutaneous sensory testing: a review of the literature. Journal of Oral Rehabilitation, 2002, 29, 923-950.	3.0	63
114	Effect of controlled early implant loading on bone healing and bone mass in guinea pigs, as assessed by micro-CT and histology. European Journal of Oral Sciences, 2006, 114, 232-242.	1.5	63
115	The use of visual assessment of dental radiographs for identifying women at risk of having osteoporosis: the OSTEODENT project. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2008, 106, 285-293.	1.4	63
116	Validation of the cone beam computed tomography€based stereolithographic surgical guide aiding autotransplantation of teeth: clinical case€control study. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2013, 115, 667-675.	0.4	63
117	Optimization of dental CBCT exposures through mAs reduction. Dentomaxillofacial Radiology, 2015, 44, 20150108.	2.7	63
118	Cone beam computed tomography in dentomaxillofacial radiology: a two-decade overview. Dentomaxillofacial Radiology, 2020, 49, 20200145.	2.7	63
119	Histological, histomorphometrical, and radiological evaluation of an experimental implant design with a high insertion torque. Clinical Oral Implants Research, 2010, 21, 877-884.	4.5	61
120	Dental cone beam computed tomography: justification for use in planning oral implant placement. Periodontology 2000, 2014, 66, 203-213.	13.4	61
121	Layered deep learning for automatic mandibular segmentation in cone-beam computed tomography. Journal of Dentistry, 2021, 114, 103786.	4.1	61
122	An assessment on spiral CT scan of the superior and inferior genial spinal foramina and canals. Surgical and Radiologic Anatomy, 2006, 28, 98-104.	1.2	60
123	Radiation dose vs. image quality for low-dose CT protocols of the head for maxillofacial surgery and oral implant planning. Radiation Protection Dosimetry, 2005, 117, 211-216.	0.8	59
124	3-dimensional Analysis of Regenerative Endodontic Treatment Outcome. Journal of Endodontics, 2015, 41, 317-324.	3.1	59
125	Root canal preparation using micro-computed tomography analysis: a literature review. Brazilian Oral Research, 2018, 32, e66.	1.4	59
126	Neurosensory disturbances after immediate loading of implants in the anterior mandible: an initial questionnaire approach followed by a psychophysical assessment. Clinical Oral Investigations, 2006, 10, 269-277.	3.0	58

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127	Proinflammatory cytokine levels in oral lichen planus, oral leukoplakia, and oral submucous fibrosis. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2015, 41, 171.	0.8	58
128	Preoperative radiologic planning of implant surgery in compromised patients. Periodontology 2000, 2003, 33, 12-25.	13.4	57
129	The diagnostic efficacy of cone beam CT for impacted teeth and associated features: a systematic review. Journal of Oral Rehabilitation, 2011, 38, 208-216.	3.0	57
130	Estimating cancer risk from dental cone-beam CT exposures based on skin dosimetry. Physics in Medicine and Biology, 2014, 59, 3877-3891.	3.0	57
131	The Mandibular Cortex on Radiographs as a Tool for Osteoporosis Risk Assessment: The OSTEODENT Project. Journal of Clinical Densitometry, 2007, 10, 138-146.	1.2	56
132	Are panoramic images reliable in planning sinus augmentation procedures?. Clinical Oral Implants Research, 2011, 22, 189-194.	4.5	56
133	Dose distribution for dental cone beam CT and its implication for defining a dose index. Dentomaxillofacial Radiology, 2012, 41, 583-593.	2.7	56
134	Evaluation of the psychophysical detection threshold level for vibrotactile and pressure stimulation of prosthetic limbs using bone anchorage or soft tissue support. Prosthetics and Orthotics International, 2000, 24, 133-142.	1.0	55
135	Feasibility and validation of virtual autopsy for dental identification using theÂInterpol dental codes. Journal of Clinical Forensic and Legal Medicine, 2013, 20, 248-254.	1.0	55
136	Comparative assessment of periapical radiography and CBCT imaging for radiodiagnostics in the posterior maxilla. Odontology / the Society of the Nippon Dental University, 2015, 103, 97-104.	1.9	55
137	Inaccuracy of buccal bone thickness estimation on coneâ€beam CT due to implant blooming: An exâ€vivo study. Journal of Clinical Periodontology, 2019, 46, 1134-1143.	4.9	55
138	Prediction of bone mineral density with dental radiographs. Bone, 2007, 40, 1217-1221.	2.9	54
139	Volumetric analysis of extraction sockets using cone beam computed tomography: a pilot study on ex vivo jaw bone. Journal of Clinical Periodontology, 2007, 34, 985-990.	4.9	54
140	Digital technologies to support planning, treatment, and fabrication processes and outcome assessments inÂimplant dentistry. Summary and consensus statements. The 4th <scp>EAO</scp> consensus conference 2015. Clinical Oral Implants Research, 2015, 26, 97-101.	4.5	54
141	Salivary 8-hydroxy-2-deoxyguanosine, malondialdehyde, vitamin C, and vitamin E in oral pre-cancer and cancer: diagnostic value and free radical mechanism of action. Clinical Oral Investigations, 2016, 20, 315-319.	3.0	54
142	Potential occupational health problems for dentists in Flanders, Belgium. Clinical Oral Investigations, 2006, 10, 8-16.	3.0	53
143	Leucocyteâ€and plateletâ€rich fibrin block for bone augmentation procedure: A proofâ€ofâ€concept study. Journal of Clinical Periodontology, 2018, 45, 624-634.	4.9	52
144	Microguided Endodontics: a case report of a maxillary lateral incisor with pulp canal obliteration and apical periodontitis. International Endodontic Journal, 2019, 52, 540-549.	5.0	52

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145	Methodology of oral sensory tests. Journal of Oral Rehabilitation, 2002, 29, 720-730.	3.0	51
146	Impact of systemic diseases and medication on osseointegration. Periodontology 2000, 2003, 33, 163-171.	13.4	51
147	Diagnostic value of 2D and 3D imaging in odontogenic maxillary sinusitis: a review of literature. Journal of Oral Rehabilitation, 2012, 39, 294-300.	3.0	51
148	Characterization of mandibular molar root and canal morphology using cone beam computed tomography and its variability in Belgian and Chilean population samples. Imaging Science in Dentistry, 2015, 45, 95.	1.8	51
149	Biologie Outcome of Single-Implant Restorations as Tooth Replacements: A Long-term Follow-up Study. Clinical Implant Dentistry and Related Research, 2000, 2, 209-218.	3.7	50
150	Marginal bone loss around implants retaining hinging mandibular overdentures, at 4-, 8- and 12-years follow-up. Journal of Clinical Periodontology, 2001, 28, 628-633.	4.9	50
151	Attitude of the Belgian dentist population towards radiation protection. Dentomaxillofacial Radiology, 2004, 33, 334-339.	2.7	50
152	Accuracy of linear measurements using three imaging modalities: two lateral cephalograms and one 3D model from CBCT data. European Journal of Orthodontics, 2015, 37, 202-208.	2.4	50
153	Adenosine deaminase in saliva as a diagnostic marker of squamous cell carcinoma of tongue. Clinical Oral Investigations, 2011, 15, 347-349.	3.0	49
154	A novel deep learning system for multi-class tooth segmentation and classification on cone beam computed tomography. A validation study. Journal of Dentistry, 2021, 115, 103865.	4.1	49
155	Neurovascular disturbances after implant surgery. Periodontology 2000, 2014, 66, 188-202.	13.4	48
156	Cephalometric landmark variability among orthodontists and dentomaxillofacial radiologists: a comparative study. Imaging Science in Dentistry, 2015, 45, 213.	1.8	48
157	An Analysis of Frequency, Morphology, and Locations of Maxillary Sinus Septa Using Cone Beam Computed Tomography. International Journal of Oral and Maxillofacial Implants, 2016, 31, 280-287.	1.4	48
158	Halve the dose while maintaining image quality in paediatric Cone Beam CT. Scientific Reports, 2019, 9, 5521.	3.3	48
159	Development and validation of a novel artificial intelligence driven tool for accurate mandibular canal segmentation on CBCT. Journal of Dentistry, 2022, 116, 103891.	4.1	48
160	A split-mouth comparative study up to 16 years of two screw-shaped titanium implant systems. Journal of Clinical Periodontology, 2010, 37, 1119-1127.	4.9	47
161	Volumetric changes of grafted volumes and the Schneiderian membrane after transcrestal and lateral sinus floor elevation procedures: A clinical, pilot study. Journal of Clinical Periodontology, 2017, 44, 660-671.	4.9	47
162	Micro-CT and nano-CT analysis of filling quality of three different endodontic sealers. Dentomaxillofacial Radiology, 2017, 46, 20170223.	2.7	47

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163	Evaluation of Dimensional Changes of 3D Printed Models After Sterilization: A Pilot Study. Open Dentistry Journal, 2018, 12, 72-79.	0.5	47
164	Void detection in root fillings using intraoral analogue, intraoral digital and cone beam CT images. International Endodontic Journal, 2009, 42, 675-685.	5.0	45
165	Osteoporosis detection using intraoral densitometry. Dentomaxillofacial Radiology, 2008, 37, 282-287.	2.7	44
166	Detecting Reduced Bone Mineral Density From Dental Radiographs Using Statistical Shape Models. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 601-610.	3.2	43
167	Pre-surgical treatment planning of maxillary canine impactions using panoramic *vs* cone beam CT imaging. Dentomaxillofacial Radiology, 2013, 42, 20130157.	2.7	43
168	Evaluation of speech in patients rehabilitated with various oral implant-supported prostheses. Clinical Oral Implants Research, 2001, 12, 167-173.	4.5	42
169	The role of the dental surgeon in detecting osteoporosis: the OSTEODENT study. British Dental Journal, 2008, 204, E16-E16.	0.6	42
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