

Heike Rudolph

List of Publications by Year in descending order

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44
papers

1,039
citations

567281

15
h-index

414414

32
g-index

50
all docs

50
docs citations

50
times ranked

942
citing authors

#	ARTICLE	IF	CITATIONS
1	CAD/CAM-machining effects on Y-TZP zirconia. <i>Dental Materials</i> , 2004, 20, 655-662.	3.5	201
2	Direct mechanical data acquisition of dental impressions for the manufacturing of CAD/CAM restorations. <i>Journal of Dentistry</i> , 2007, 35, 903-908.	4.1	105
3	Computer-aided analysis of the influence of digitizing and surfacing on the accuracy in dental CAD/CAM technology. <i>Computers in Biology and Medicine</i> , 2007, 37, 579-587.	7.0	97
4	Three-dimensional fit of CAD/CAM-made zirconia copings. <i>Dental Materials</i> , 2011, 27, 1273-1278.	3.5	96
5	Accuracy of intraoral and extraoral digital data acquisition for dental restorations. <i>Journal of Applied Oral Science</i> , 2016, 24, 85-94.	1.8	86
6	Retrospective study to determine the accuracy of template-guided implant placement using a novel nonradiologic evaluation method. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 121, e72-e79.	0.4	42
7	3D accuracy of implant positions in template-guided implant placement as a function of the remaining teeth and the surgical procedure: a retrospective study. <i>Clinical Oral Investigations</i> , 2018, 22, 2363-2372.	3.0	35
8	Qualitative computer aided evaluation of dental impressions in vivo. <i>Dental Materials</i> , 2006, 22, 69-76.	3.5	31
9	Comparison of an analog and digital quantitative and qualitative analysis for the fit of dental copings. <i>Computers in Biology and Medicine</i> , 2015, 57, 32-41.	7.0	29
10	Accuracy of the match between cone beam computed tomography and model scan data in template-guided implant planning: A prospective controlled clinical study. <i>Clinical Implant Dentistry and Related Research</i> , 2018, 20, 541-549.	3.7	29
11	Biological complications of removable dental prostheses in the moderately reduced dentition: a systematic literature review. <i>Clinical Oral Investigations</i> , 2018, 22, 2439-2461.	3.0	27
12	Clinical performance of removable dental prostheses in the moderately reduced dentition: a systematic literature review. <i>Clinical Oral Investigations</i> , 2016, 20, 1435-1447.	3.0	25
13	Er:YAG Laser Activation of Sodium Hypochlorite for Root Canal Soft Tissue Dissolution. <i>Lasers in Surgery and Medicine</i> , 2013, 45, 339-344.	2.1	22
14	Clinical parameters influencing the accuracy of 1- and 2-stage impressions: a randomized controlled trial. <i>International Journal of Prosthodontics</i> , 2008, 21, 322-7.	1.7	22
15	Randomized controlled clinical study on the accuracy of two-stage putty-and-wash impression materials. <i>International Journal of Prosthodontics</i> , 2009, 22, 296-302.	1.7	16
16	Performance of dental impression materials: Benchmarking of materials and techniques by three-dimensional analysis. <i>Dental Materials Journal</i> , 2015, 34, 572-584.	1.8	15
17	Randomized controlled clinical trial on the three-dimensional accuracy of fast-set impression materials. <i>Clinical Oral Investigations</i> , 2013, 17, 1397-1406.	3.0	13
18	Precision of sleeveless 3D drill guides for insertion of one-piece ceramic implants: a prospective clinical trial. <i>International Journal of Computerized Dentistry</i> , 2018, 21, 97-105.	0.2	13

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19	Alveolar ridge preservation with a collagen material: a randomized controlled trial. <i>Journal of Periodontal and Implant Science</i> , 2018, 48, 236.	2.0	12
20	Does the macro design of an implant affect the accuracy of template-guided implantation? A prospective clinical study. <i>International Journal of Implant Dentistry</i> , 2021, 7, 42.	2.7	12
21	Fracture performance of computer-aided manufactured zirconia and alloy crowns. <i>Quintessence International</i> , 2009, 40, 655-62.	0.4	11
22	Comparison of the three-dimensional correctness of impression techniques: a randomized controlled trial. <i>Quintessence International</i> , 2010, 41, 845-53.	0.4	10
23	Dimensional Changes of the Soft Tissue after Alveolar Ridge Preservation with a Collagen Material. A Clinical Randomized Trial. <i>Open Dentistry Journal</i> , 2018, 12, 389-399.	0.5	9
24	Factors Influencing the Accuracy of Freehand Implant Placement: A Prospective Clinical Study. <i>Dentistry Journal</i> , 2021, 9, 54.	2.3	8
25	Analysis of three-dimensional sinter shrinkage of copings made from alumina in an innovative direct shaping process. <i>Computerized Medical Imaging and Graphics</i> , 2004, 28, 159-165.	5.8	7
26	Interaction of titanium, zirconia and lithium disilicate with peri-implant soft tissue: study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 467.	1.6	6
27	Alveolar ridge preservation and primary stability as influencing factors on the transfer accuracy of static guided implant placement: a prospective clinical trial. <i>BMC Oral Health</i> , 2020, 20, 178.	2.3	6
28	Randomized Controlled Trial Comparing Direct Intraoral Digitization and Extraoral Digitization After Impression Taking. <i>International Journal of Prosthodontics</i> , 2015, 28, 30-32.	1.7	5
29	Reliability of light microscopy and a computer-assisted replica measurement technique for evaluating the fit of dental copings. <i>Journal of Applied Oral Science</i> , 2018, 26, e20160590.	1.8	5
30	Associations among Primary Stability, Histomorphometric Findings, and Bone Density: A Prospective Randomized Study after Alveolar Ridge Preservation with a Collagen Cone. <i>Dentistry Journal</i> , 2020, 8, 112.	2.3	5
31	Alveolar ridge preservation with a collagen cone: Histological, histochemical, and immunohistochemical results of a randomized controlled clinical trial. <i>Clinical and Experimental Dental Research</i> , 2020, 6, 345-355.	1.9	5
32	Influence of the Gingival Condition on the Performance of Different Gingival Displacement Methodsâ€”A Randomized Clinical Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2747.	2.4	4
33	Gingival Displacement in the Vertical and Horizontal Dimension under the Condition of Mild Gingivitisâ€”A Randomized Clinical Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 437.	2.4	4
34	Caseâ€”control study on the survival of abutment teeth of partially dentate patients. <i>Clinical Oral Investigations</i> , 2012, 16, 1685-1691.	3.0	3
35	Echinococcus cysts affecting oromaxillofacial structures â€” a systematic review. <i>Oral Diseases</i> , 2014, 20, 756-761.	3.0	3
36	Performance of Fast-Setting Impression Materials in the Reproduction of Subgingival Tooth Surfaces Without Soft Tissue Retraction. <i>International Journal of Prosthodontics</i> , 2014, 27, 366-375.	1.7	3

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37	Reproducibility of CBCT image analysis: a clinical study on intrapersonal and interpersonal errors in bone structure determination. <i>Oral Radiology</i> , 2019, 35, 152-158.	1.9	3
38	Er:YAG laser-induced damage to a dental composite in simulated clinical scenarios for inadvertent irradiation: an in vitro study. <i>Lasers in Medical Science</i> , 2022, 37, 1017-1030.	2.1	3
39	Alveolar Ridge Preservation as a Way to Reduce the Need for Bone Augmentation: Implementation of a New, Non-invasive Method of Measuring Bone Preservation: Study Protocol of a Randomized Controlled Clinical Trial and Feasibility Testing Results. <i>International Journal of Clinical Research & Trials</i> , 2017, 2, .	1.6	3
40	Histological examination and clinical evaluation of the jawbone of an adult patient with cleidocranial dysplasia: a case report. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 8521-31.	0.5	3
41	Effects of abutment height and type of cements on bond strength of monolithic zirconia single crowns luted to one-piece zirconia implants. <i>International Journal of Prosthodontics</i> , 2021, , .	1.7	2
42	Alveolar Ridge Preservation: A Histomorphometric Analysis. <i>Open Dentistry Journal</i> , 2018, 12, 916-928.	0.5	2
43	Characterization of the transmission behavior of dental filling materials and cements for the diode lasersâ€™™ and the Nd:YAG laser's wavelengths. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 653-663.	2.1	1
44	Quantification of MRP8 in immunohistologic sections of peri-implant soft tissue: Development of a novel automated computer analysis method and of its validation procedure. <i>Computers in Biology and Medicine</i> , 2022, , 105861.	7.0	0