

# Daniel Edelhoff

## List of Publications by Citations

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85  
papers

3,265  
citations

28  
h-index

56  
g-index

91  
ext. papers

3,999  
ext. citations

3.7  
avg, IF

5.44  
L-index

#	Paper	IF	Citations
85	Tooth structure removal associated with various preparation designs for anterior teeth. <i>Journal of Prosthetic Dentistry</i> , <b>2002</b> , 87, 503-9	4	247
84	Maxillary sinus augmentation using xenogenic bone substitute material Bio-Oss in combination with venous blood. A histologic and histomorphometric study in humans. <i>Clinical Oral Implants Research</i> , <b>2000</b> , 11, 217-29	4.8	223
83	Accuracy of digital models obtained by direct and indirect data capturing. <i>Clinical Oral Investigations</i> , <b>2013</b> , 17, 1201-8	4.2	197
82	High-strength CAD/CAM-fabricated veneering material sintered to zirconia copings--a new fabrication mode for all-ceramic restorations. <i>Dental Materials</i> , <b>2009</b> , 25, 121-8	5.7	196
81	In vitro performance of full-contour zirconia single crowns. <i>Dental Materials</i> , <b>2012</b> , 28, 449-56	5.7	174
80	In vivo fracture resistance of implant-supported all-ceramic restorations. <i>Journal of Prosthetic Dentistry</i> , <b>2003</b> , 90, 325-31	4	156
79	Marginal and internal fits of fixed dental prostheses zirconia retainers. <i>Dental Materials</i> , <b>2009</b> , 25, 94-103	5.7	149
78	Clinical results of lithium-disilicate crowns after up to 9 years of service. <i>Clinical Oral Investigations</i> , <b>2013</b> , 17, 275-84	4.2	146
77	Wear at the titanium-titanium and the titanium-zirconia implant-abutment interface: a comparative in vitro study. <i>Dental Materials</i> , <b>2012</b> , 28, 1215-20	5.7	124
76	Three-year clinical prospective evaluation of zirconia-based posterior fixed dental prostheses (FDPs). <i>Clinical Oral Investigations</i> , <b>2009</b> , 13, 445-51	4.2	115
75	Marginal and internal fit of four-unit zirconia fixed dental prostheses based on digital and conventional impression techniques. <i>Clinical Oral Investigations</i> , <b>2014</b> , 18, 515-23	4.2	96
74	Severe Tooth Wear: European Consensus Statement on Management Guidelines. <i>Journal of Adhesive Dentistry</i> , <b>2017</b> , 19, 111-119	3	92
73	Accuracy of five intraoral scanners compared to indirect digitalization. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 1445-1455	4.2	91
72	Three-unit reinforced polyetheretherketone composite FDPs: influence of fabrication method on load-bearing capacity and failure types. <i>Dental Materials Journal</i> , <b>2015</b> , 34, 7-12	2.5	76
71	Fit of 4-unit FDPs made of zirconia and CoCr-alloy after chairside and labside digitalization--a laboratory study. <i>Dental Materials</i> , <b>2014</b> , 30, 400-7	5.7	73
70	Tooth wear: a systematic review of treatment options. <i>Journal of Prosthetic Dentistry</i> , <b>2014</b> , 112, 752-9	4	68
69	Digital evaluation of the reproducibility of implant scanbody fit--an in vitro study. <i>Clinical Oral Investigations</i> , <b>2012</b> , 16, 851-6	4.2	61

68	A new method for the evaluation of the accuracy of full-arch digital impressions in vitro. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 1487-94	4.2	60
67	Effect of different adhesives combined with two resin composite cements on shear bond strength to polymeric CAD/CAM materials. <i>Dental Materials Journal</i> , <b>2013</b> , 32, 492-501	2.5	59
66	Effect of preparation angles on the precision of zirconia crown copings fabricated by CAD/CAM system. <i>Dental Materials Journal</i> , <b>2008</b> , 27, 814-20	2.5	51
65	Fracture load of 3D-printed fixed dental prostheses compared with milled and conventionally fabricated ones: the impact of resin material, build direction, post-curing, and artificial aging-an in vitro study. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 701-710	4.2	47
64	Effect of preparation design on the fracture resistance of zirconia crown copings. <i>Dental Materials Journal</i> , <b>2008</b> , 27, 362-7	2.5	44
63	Effect of different surface pretreatments and adhesives on the load-bearing capacity of veneered 3-unit PEEK FDPs. <i>Journal of Prosthetic Dentistry</i> , <b>2015</b> , 114, 666-73	4	41
62	Artificial Neural Networks as a powerful numerical tool to classify specific features of a tooth based on 3D scan data. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 80, 65-76	7	37
61	Virtual evaluation for CAD-CAM-fabricated complete dentures. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 28-33	4	36
60	Optical properties of manually and CAD/CAM-fabricated polymers. <i>Dental Materials Journal</i> , <b>2013</b> , 32, 865-71	2.5	36
59	Treatment concept with CAD/CAM-fabricated high-density polymer temporary restorations. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2012</b> , 24, 310-8	3.5	33
58	Parameters affecting retentive force of electroformed double-crown systems. <i>Clinical Oral Investigations</i> , <b>2010</b> , 14, 129-35	4.2	31
57	Computer-aided evaluation of preparations for CAD/CAM-fabricated all-ceramic crowns. <i>Clinical Oral Investigations</i> , <b>2013</b> , 17, 1389-95	4.2	28
56	Influence of cementation and cement type on the fracture load testing methodology of anterior crowns made of different materials. <i>Dental Materials Journal</i> , <b>2013</b> , 32, 888-95	2.5	26
55	Bonding to new CAD/CAM resin composites: influence of air abrasion and conditioning agents as pretreatment strategy. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 529-538	4.2	26
54	A novel CAD/CAM base metal compared to conventional CoCrMo alloys: an in-vitro study of the long-term metal-ceramic bond strength. <i>Oral Health and Dental Management</i> , <b>2014</b> , 13, 446-52	0	23
53	Bonding between CAD/CAM resin and resin composite cements dependent on bonding agents: three different in vitro test methods. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 227-36	4.2	22
52	3D Printing in Digital Prosthetic Dentistry: An Overview of Recent Developments in Additive Manufacturing. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	21
51	Clinical Benefits of the Immediate Implant Socket Shield Technique. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2017</b> , 29, 93-101	3.5	20

50	Impact of plasma treatment of PMMA-based CAD/CAM blanks on surface properties as well as on adhesion to self-adhesive resin composite cements. <i>Dental Materials</i> , <b>2013</b> , 29, 935-44	5.7	20
49	Clinical use of an intraoral silicoating technique. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2001</b> , 13, 350-6	3.5	20
48	Ten-year survival and chipping rates and clinical quality grading of zirconia-based fixed dental prostheses. <i>Clinical Oral Investigations</i> , <b>2018</b> , 22, 2905-2915	4.2	19
47	Systematics and concepts for the digital production of complete dentures: risks and opportunities. <i>International Journal of Computerized Dentistry</i> , <b>2018</b> , 21, 41-56	4.5	19
46	Influence of connector design and material composition and veneering on the stress distribution of all-ceramic fixed dental prostheses: a finite element study. <i>Dental Materials</i> , <b>2011</b> , 27, e171-5	5.7	18
45	Residual monomer elution from different conventional and CAD/CAM dental polymers during artificial aging. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 277-284	4.2	17
44	Impact of shortened dental arch on oral health-related quality of life over a period of 10 years - A randomized controlled trial. <i>Journal of Dentistry</i> , <b>2019</b> , 80, 55-62	4.8	14
43	Effect of treatment with a full-occlusion biofeedback splint on sleep bruxism and TMD pain: a randomized controlled clinical trial. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 4005-4018	4.2	13
42	Fracture load of 3D printed PEEK inlays compared with milled ones, direct resin composite fillings, and sound teeth. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 3457-3466	4.2	12
41	Internal porosities, retentive force, and survival of cobalt-chromium alloy clasps fabricated by selective laser-sintering. <i>Journal of Prosthodontic Research</i> , <b>2020</b> , 64, 210-216	4.3	11
40	Comparison of various 3D printed and milled PAEK materials: Effect of printing direction and artificial aging on Martens parameters. <i>Dental Materials</i> , <b>2020</b> , 36, 197-209	5.7	11
39	Comparison between novel strength-gradient and color-gradient multilayered zirconia using conventional and high-speed sintering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 111, 103977	4.1	11
38	Impact of different pretreatments and aging procedures on the flexural strength and phase structure of zirconia ceramics. <i>Dental Materials</i> , <b>2019</b> , 35, 1439-1449	5.7	10
37	Long-term tensile bond strength of differently cemented nanocomposite CAD/CAM crowns on dentin abutment. <i>Dental Materials</i> , <b>2014</b> , 30, 334-42	5.7	10
36	Influence of speed sintering on the fit and fracture strength of 3-unit monolithic zirconia fixed partial dentures. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 124, 380-386	4	10
35	Advances in materials and concepts in fixed prosthodontics: a selection of possible treatment modalities. <i>British Dental Journal</i> , <b>2019</b> , 226, 739-748	1.2	9
34	Influence of different surface treatments on two-body wear and fracture load of monolithic CAD/CAM ceramics. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 3049-3060	4.2	9
33	Elution behavior of a 3D-printed, milled and conventional resin-based occlusal splint material. <i>Dental Materials</i> , <b>2021</b> , 37, 701-710	5.7	9

32	Influence of tooth mobility on critical stresses in all-ceramic inlay-retained fixed dental prostheses: a finite element study. <i>Dental Materials</i> , <b>2012</b> , 28, 146-51	5.7	8
31	Precise Placement of Single-Retainer Resin-Bonded Fixed Dental Prostheses with an Innovative Splint Design. <i>Journal of Prosthodontics</i> , <b>2017</b> , 26, 359-363	3.9	7
30	Impact of surface treatment of different reinforced glass-ceramic anterior crowns on load bearing capacity. <i>Dental Materials Journal</i> , <b>2015</b> , 34, 595-604	2.5	7
29	Two digital strategies in modern implantology - root-analogue implants and the digital one-abutment/one-time concept. <i>International Journal of Computerized Dentistry</i> , <b>2018</b> , 21, 115-131	4.5	6
28	Implant Impression Techniques for the Edentulous Jaw: A Summary of Three Studies. <i>Journal of Prosthodontics</i> , <b>2016</b> , 25, 146-50	3.9	5
27	Complete mouth rehabilitation after transposition osteotomy based on intraoral scanning: an experimental approach. <i>Journal of Prosthetic Dentistry</i> , <b>2014</b> , 112, 89-93	4	5
26	Influence of cleaning methods after 3D printing on two-body wear and fracture load of resin-based temporary crown and bridge material. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 5987-5996	4.2	5
25	Interdisciplinary full-mouth rehabilitation for redefining esthetics, function, and orofacial harmony. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2019</b> , 31, 179-189	3.5	5
24	Two-body wear and fracture behaviour of an experimental paediatric composite crown in comparison to zirconia and stainless steel crowns dependent on the cementation mode. <i>Dental Materials</i> , <b>2021</b> , 37, 264-271	5.7	5
23	In vivo wear of CAD-CAM composite versus lithium disilicate full coverage first-molar restorations: a pilot study over 2 years. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 4301-4311	4.2	4
22	Reproduction accuracy of articulator mounting with an arbitrary face-bow vs. average values-a controlled, randomized, blinded patient simulator study. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 1007-1014	4.2	4
21	The randomized shortened dental arch study: influence of two different treatments on interdental spacing over 5 years. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 1945-1951	4.2	4
20	Comparison of fracture loads of CAD/CAM and conventionally fabricated temporary fixed dental prostheses after different aging regimens. <i>International Journal of Computerized Dentistry</i> , <b>2016</b> , 19, 101-12	4.5	4
19	Periodontal health in shortened dental arches: A 10-year RCT. <i>Journal of Prosthodontic Research</i> , <b>2020</b> , 64, 498-505	4.3	3
18	Transmittance of visible and blue light through zirconia. <i>Dental Materials Journal</i> , <b>2018</b> , 37, 812-817	2.5	3
17	Effect of Dentin Bonding Agents, Various Resin Composites and Curing Modes on Bond Strength to Human Dentin. <i>Materials</i> , <b>2019</b> , 12,	3.5	3
16	Periodontal outcome and additional clinical quality criteria of lithium-disilicate restorations (Empress 2) after 14 years. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 2153-2164	4.2	3
15	Bond strength of CAD-CAM and conventional veneering materials to different frameworks. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 125, 664-673	4	3

14	Accuracy and mechanical performance of passivated and conventional fabricated 3-unit fixed dental prosthesis on multi-unit abutments. <i>Journal of Prosthodontic Research</i> , <b>2017</b> , 61, 403-411	4.3	2
13	A pattern of care analysis: Prosthetic rehabilitation of head and neck cancer patients after radiotherapy. <i>Clinical Implant Dentistry and Related Research</i> , <b>2020</b> , 22, 333-341	3.9	2
12	Multidisciplinary full-mouth rehabilitation with soft tissue regeneration in the esthetic zone. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2018</b> , 30, 22-29	3.5	2
11	In vivo wear of CAD-CAM composite versus lithium disilicate full coverage first-molar restorations: a pilot study over 2 years <b>2020</b> , 24, 4301		1
10	Clinical Performance of Anterior Full Veneer Restorations Made of Lithium Disilicate with a Mean Observation Time of 8 Years. <i>International Journal of Prosthodontics</i> , <b>2020</b> , 33, 14-21	1.9	1
9	In-vivo-wear in composite and ceramic full mouth rehabilitations over 3 years. <i>Scientific Reports</i> , <b>2021</b> , 11, 14056	4.9	1
8	Influence of butt joint connections with long guiding areas on the stability of single crowns and 3-unit bridges - an in-vitro-study. <i>Journal of Prosthodontic Research</i> , <b>2021</b> , 65, 455-460	4.3	1
7	Rehabilitation of shortened dental arches: A fifteen-year randomised trial. <i>Journal of Oral Rehabilitation</i> , <b>2021</b> , 48, 738-744	3.4	1
6	IMPACT OF SHORTENED DENTAL ARCH ON ORAL HEALTH-RELATED QUALITY OF LIFE.. <i>Journal of Evidence-based Dental Practice</i> , <b>2021</b> , 21, 101622	1.9	1
5	Orthodontic bonding to silicate ceramics: impact of different pretreatment methods on shear bond strength between ceramic restorations and ceramic brackets. <i>Clinical Oral Investigations</i> , <b>2021</b> , 1	4.2	0
4	Oral features and computerized rehabilitation of a young patient with CHARGE syndrome using minimally invasive long-term interim CAD-CAM restorations. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 453-458	4	
3	Ein nicht ganz alltäglicher Patientenfall. <i>Stomatologie</i> , <b>2012</b> , 109, 3-6		
2	Effect of adhesive systems, direct resin composites and artificial aging on tensile bond strength between different resin composites and human dentin. <i>International Journal of Adhesion and Adhesives</i> , <b>2021</b> , 108, 102888	3.4	
1	CAD/CAM Diagnostic Esthetic Functional Splint (DEFS) as a Removable Prototype to Evaluate the Final Prosthetic Rehabilitation: A Narrative Review. <i>Prosthesis</i> , <b>2022</b> , 4, 136-150	4.7	