

# Daniel Edelhoff

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3225458/daniel-edelhoff-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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	
74	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
73	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
72	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
71	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
70	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
69	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

68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	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

50	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
49	Transmittance of visible and blue light through zirconia. <i>Dental Materials Journal</i> , <b>2018</b> , 37, 812-817	2.5	3
48	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
47	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
46	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
45	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
44	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
43	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
42	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
41	Virtual evaluation for CAD-CAM-fabricated complete dentures. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 28-33	4	36
40	Accuracy of five intraoral scanners compared to indirect digitalization. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 1445-1455	4.2	91
39	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	
38	Severe Tooth Wear: European Consensus Statement on Management Guidelines. <i>Journal of Adhesive Dentistry</i> , <b>2017</b> , 19, 111-119	3	92
37	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
36	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
35	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
34	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
33	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

32	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
31	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
30	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
29	Tooth wear: a systematic review of treatment options. <i>Journal of Prosthetic Dentistry</i> , <b>2014</b> , 112, 752-9	4	68
28	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
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	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
19	Optical properties of manually and CAD/CAM-fabricated polymers. <i>Dental Materials Journal</i> , <b>2013</b> , 32, 865-71	2.5	36
18	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
17	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
16	In vitro performance of full-contour zirconia single crowns. <i>Dental Materials</i> , <b>2012</b> , 28, 449-56	5.7	174
15	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

14	Ein nicht ganz alltäglicher Patientenfall. <i>Stomatologie</i> , <b>2012</b> , 109, 3-6		
13	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
12	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
11	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
10	Parameters affecting retentive force of electroformed double-crown systems. <i>Clinical Oral Investigations</i> , <b>2010</b> , 14, 129-35	4.2	31
9	Marginal and internal fits of fixed dental prostheses zirconia retainers. <i>Dental Materials</i> , <b>2009</b> , 25, 94-103	3.7	149
8	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
7	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
6	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
5	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
4	In vivo fracture resistance of implant-supported all-ceramic restorations. <i>Journal of Prosthetic Dentistry</i> , <b>2003</b> , 90, 325-31	4	156
3	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
2	Clinical use of an intraoral silicoating technique. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2001</b> , 13, 350-6	3.5	20
1	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