

# Nicola Ursula Zitzmann

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

4,382  
citations

172457

29  
h-index

106344

65  
g-index

91  
all docs

91  
docs citations

91  
times ranked

3915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Definition and prevalence of peri-implant diseases. Journal of Clinical Periodontology, 2008, 35, 286-291.	4.9	936
2	Primary prevention of peri-implantitis: Managing peri-implant mucositis. Journal of Clinical Periodontology, 2015, 42, S152-7.	4.9	387
3	Are peri-implantitis lesions different from periodontitis lesions?. Journal of Clinical Periodontology, 2011, 38, 188-202.	4.9	253
4	Sinus elevation procedures in the resorbed posterior maxilla. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 1998, 85, 8-17.	1.4	234
5	Are periodontal diseases really silent? A systematic review of their effect on quality of life. Journal of Clinical Periodontology, 2016, 43, 333-344.	4.9	209
6	Long-term outcome of implants placed with guided bone regeneration (GBR) using resorbable and non-resorbable membranes after 12-14 years. Clinical Oral Implants Research, 2013, 24, 1065-1073.	4.5	178
7	Excess cement and the risk of peri-implant disease – a systematic review. Clinical Oral Implants Research, 2017, 28, 1278-1290.	4.5	145
8	What is the prevalence of various types of prosthetic dental restorations in Europe?. Clinical Oral Implants Research, 2007, 18, 20-33.	4.5	141
9	Three-dimensional imaging as a preoperative tool in decision making for furcation surgery. Journal of Clinical Periodontology, 2009, 36, 250-257.	4.9	107
10	Strategic considerations in treatment planning: Deciding when to treat, extract, or replace a questionable tooth. Journal of Prosthetic Dentistry, 2010, 104, 80-91.	2.8	105
11	Digital Undergraduate Education in Dentistry: A Systematic Review. International Journal of Environmental Research and Public Health, 2020, 17, 3269.	2.6	103
12	Time efficiency, difficulty, and operator's preference comparing digital and conventional implant impressions: a randomized controlled trial. Clinical Oral Implants Research, 2017, 28, 1318-1323.	4.5	100
13	Accuracy of three-dimensional imaging in assessing maxillary molar furcation involvement. Journal of Clinical Periodontology, 2010, 37, 436-441.	4.9	88
14	The Effects of Anti-infective Preventive Measures on the Occurrence of Biologic Implant Complications and Implant Loss: A Systematic Review. International Journal of Oral and Maxillofacial Implants, 2014, 29, 292-307.	1.4	75
15	Recent Trends and Future Direction of Dental Research in the Digital Era. International Journal of Environmental Research and Public Health, 2020, 17, 1987.	2.6	67
16	Periodontal surgery in furcation-involved maxillary molars revisited – an introduction of guidelines for comprehensive treatment. Clinical Oral Investigations, 2011, 15, 9-20.	3.0	59
17	Changes in oral health over a 10-yr period in Switzerland. European Journal of Oral Sciences, 2008, 116, 52-59.	1.5	55
18	An economic evaluation of implant treatment in edentulous patients-preliminary results. International Journal of Prosthodontics, 2005, 18, 20-7.	1.7	46

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19	Oral health improvements in Switzerland over 20 years. <i>European Journal of Oral Sciences</i> , 2017, 125, 55-62.	1.5	45
20	The ovate pontic design: A histologic observation in humans. <i>Journal of Prosthetic Dentistry</i> , 2002, 88, 375-380.	2.8	44
21	Detection of peri-implant bone defects with different radiographic techniques – a human cadaver study. <i>Clinical Oral Implants Research</i> , 2016, 27, 529-534.	4.5	44
22	A review of clinical and technical considerations for fixed and removable implant prostheses in the edentulous mandible. <i>International Journal of Prosthodontics</i> , 2002, 15, 65-72.	1.7	40
23	Does three-dimensional imaging offer a financial benefit for treating maxillary molars with furcation involvement? – A pilot clinical case series. <i>Clinical Oral Implants Research</i> , 2012, 23, 351-358.	4.5	39
24	Microcalorimetric Determination of the Effects of Amoxicillin, Metronidazole, and Their Combination on In Vitro Biofilm. <i>Journal of Periodontology</i> , 2014, 85, 349-357.	3.4	38
25	Health Data in Dentistry: An Attempt to Master the Digital Challenge. <i>Public Health Genomics</i> , 2019, 22, 1-7.	1.0	37
26	The Use and Performance of Artificial Intelligence in Prosthodontics: A Systematic Review. <i>Sensors</i> , 2021, 21, 6628.	3.8	37
27	Dental Students'™ Perceptions of Digital and Conventional Impression Techniques: A Randomized Controlled Trial. <i>Journal of Dental Education</i> , 2017, 81, 1227-1232.	1.2	34
28	When to choose which retention element to use for removable dental prostheses. <i>International Journal of Prosthodontics</i> , 2009, 22, 161-7.	1.7	33
29	Resin-bonded restorations: A strategy for managing anterior tooth loss in adolescence. <i>Journal of Prosthetic Dentistry</i> , 2015, 113, 270-276.	2.8	32
30	Loading capacity of zirconia implant supported hybrid ceramic crowns. <i>Dental Materials</i> , 2015, 31, e279-e288.	3.5	32
31	CAD/CAM implant crowns in a digital workflow: Five-year follow-up of a prospective clinical trial. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 169-174.	3.7	32
32	Impact of Aging on the Accuracy of 3D-Printed Dental Models: An In Vitro Investigation. <i>Journal of Clinical Medicine</i> , 2020, 9, 1436.	2.4	31
33	Treatment strategies for infraoccluded dental implants. <i>Journal of Prosthetic Dentistry</i> , 2015, 113, 169-174.	2.8	30
34	Comparison of heat generation between guided and conventional implant surgery for single and sequential drilling protocols – An in vitro study. <i>Clinical Oral Implants Research</i> , 2019, 30, 121-130.	4.5	28
35	HF etching of CAD/CAM materials: influence of HF concentration and etching time on shear bond strength. <i>Head &amp; Face Medicine</i> , 2019, 15, 21.	2.1	27
36	Impact of the COVID-19 pandemic on urgent dental care delivery in a Swiss university center for dental medicine. <i>Clinical Oral Investigations</i> , 2021, 25, 5711-5721.	3.0	25

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37	Preferences of dental care providers in maintaining compromised teeth in relation to their professional status: implants instead of periodontally involved maxillary molars?. <i>Clinical Oral Implants Research</i> , 2011, 22, 143-150.	4.5	24
38	Treatment of Angular Bone Defects with a Composite Bone Grafting Material in Combination with a Collagen Membrane. <i>Journal of Periodontology</i> , 2003, 74, 687-694.	3.4	23
39	Determinants of biofilm formation and cleanability of titanium surfaces. <i>Clinical Oral Implants Research</i> , 2017, 28, 469-475.	4.5	23
40	Patient Reported Outcome Measures (PROMs) of posterior single-implant crowns using digital workflows: A randomized controlled trial with a three-year follow-up. <i>Clinical Oral Implants Research</i> , 2018, 29, 954-961.	4.5	23
41	Population-Based Linkage of Big Data in Dental Research. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2357.	2.6	22
42	Clinical evaluation of Procera AllCeram crowns in the anterior and posterior regions. <i>International Journal of Prosthodontics</i> , 2007, 20, 239-41.	1.7	22
43	Personalized workflows in reconstructive dentistry—current possibilities and future opportunities. <i>Clinical Oral Investigations</i> , 2022, 26, 4283-4290.	3.0	22
44	Non-surgical periodontal therapy supplemented with systemically administered azithromycin: a systematic review of RCTs. <i>Clinical Oral Investigations</i> , 2015, 19, 1763-1775.	3.0	21
45	The effects of crown venting or pre-cementing of <sc>CAD</sc>/<sc>CAM</sc>-constructed all-ceramic crowns luted on <sc>YTZ</sc> implants on marginal cement excess. <i>Clinical Oral Implants Research</i> , 2018, 29, 82-90.	4.5	20
46	Time-efficiency and cost-analysis comparing three digital workflows for treatment with monolithic zirconia implant fixed dental prostheses: A double-blinded RCT. <i>Journal of Dentistry</i> , 2021, 113, 103779.	4.1	19
47	The Functional Implant Prosthodontic Score (FIPS): assessment of reproducibility and observer variability. <i>Clinical Oral Investigations</i> , 2018, 22, 2319-2324.	3.0	15
48	Fracture behavior, marginal gap width, and marginal quality of vented or pre-cemented <sc>CAD</sc>/<sc>CAM</sc> all-ceramic crowns luted on <sc>TZP</sc> implants. <i>Clinical Oral Implants Research</i> , 2018, 29, 175-184.	4.5	15
49	Clinical and radiographical performance of implants placed with simultaneous guided bone regeneration using resorbable and nonresorbable membranes after 22–24 years, a prospective, controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2021, 32, 1455-1465.	4.5	15
50	Implant treatment planning regarding augmentation procedures: panoramic radiographs vs. cone beam computed tomography images. <i>Clinical Oral Implants Research</i> , 2016, 27, 1010-1016.	4.5	14
51	Biofilm formation on metal alloys, zirconia and polyetherketoneketone as implant materials in vivo. <i>Clinical Oral Implants Research</i> , 2020, 31, 1078-1086.	4.5	13
52	Influence of Preparation Design, Marginal Gingiva Location, and Tooth Morphology on the Accuracy of Digital Impressions for Full-Crown Restorations: An In Vitro Investigation. <i>Journal of Clinical Medicine</i> , 2020, 9, 3984.	2.4	12
53	Virtual Dental Patient: How Long Until It's Here?. <i>Current Oral Health Reports</i> , 2018, 5, 116-120.	1.6	11
54	A Double-Blind Crossover RCT Analyzing Technical and Clinical Performance of Monolithic ZrO <sub>2</sub> Implant Fixed Dental Prostheses (iFDP) in Three Different Digital Workflows. <i>Journal of Clinical Medicine</i> , 2021, 10, 2661.	2.4	11

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55	Is furcation involvement in maxillary molars a predictor for subsequent bone augmentation prior to implant placement? A pilot study. <i>Clinical Oral Implants Research</i> , 2014, 25, 1352-1358.	4.5	10
56	Does a clinician's sex influence treatment decisions?. <i>International Journal of Prosthodontics</i> , 2011, 24, 507-14.	1.7	10
57	Dental care behaviour in Switzerland. <i>Swiss Dental Journal</i> , 2019, 129, 466-478.	0.1	10
58	Efficacy of tooth splinting and occlusal adjustment in patients with periodontitis exhibiting masticatory dysfunction: A systematic review. <i>Journal of Clinical Periodontology</i> , 2022, 49, 149-166.	4.9	9
59	Influence of different zirconia surface treatments on biofilm formation in vitro and in situ. <i>Clinical Oral Implants Research</i> , 2022, 33, 424-432.	4.5	9
60	Restoring the fractured root-canal-treated maxillary lateral incisor: in search of an evidence-based approach. <i>Quintessence International</i> , 2007, 38, 179-91.	0.1	9
61	A comprehensive in vitro study on the performance of two different strategies to simplify adhesive bonding. <i>Journal of Esthetic and Restorative Dentistry</i> , 2022, 34, 833-842.	3.8	9
62	Dental and periodontal health in a Swiss population-based sample of older adults: a cross-sectional study. <i>European Journal of Oral Sciences</i> , 2020, 128, 508-517.	1.5	8
63	Accuracy of a separating foil impression using a novel polyolefin foil compared to a custom tray and a stock tray technique. <i>Journal of Advanced Prosthodontics</i> , 2017, 9, 287.	2.6	6
64	A Systematic Review of WTA-WTP Disparity for Dental Interventions and Implications for Cost-Effectiveness Analysis. <i>Healthcare (Switzerland)</i> , 2020, 8, 301.	2.0	6
65	Clinical outcome of metal- and all-ceramic resin-bonded fixed dental prostheses. <i>Journal of Prosthodontic Research</i> , 2021, 65, 243-248.	2.8	6
66	Potential of intraoral optical scanning to evaluate motor skills™ improvement for tooth preparation: A prospective cohort study. <i>European Journal of Dental Education</i> , 2022, 26, 669-675.	2.0	6
67	Digital Oral Medicine for the Elderly. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2171.	2.6	4
68	Effect of repeated ultrasonic instrumentation on single-unit crowns: a laboratory study. <i>Clinical Oral Investigations</i> , 2022, 26, 3189-3201.	3.0	4
69	Gender-specific dental health issues and treatment considerations. <i>International Journal of Prosthodontics</i> , 2007, 20, 360-8.	1.7	4
70	Stability of Cantilever Fixed Dental Prostheses on Zirconia Implants. <i>Materials</i> , 2022, 15, 3633.	2.9	4
71	Cellular expression of epigenetic markers and oxidative stress in periodontitis lesions of smokers and non-smokers. <i>Journal of Periodontal Research</i> , 0, , .	2.7	4
72	Evaluation of a New Grading System for Clinical Skills in Dental Student Clinics. <i>Journal of Dental Education</i> , 2017, 81, 604-612.	1.2	3

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73	Partial Ceramic Crowns Prepared by Dental Students: Clinical Performance Up to Five Years. Journal of Dental Education, 2017, 81, 732-743.	1.2	3
74	Periodontitis lesions in smokers and non-smokers. European Journal of Oral Sciences, 2020, 128, 196-203.	1.5	3
75	Awareness of vaccine-preventable diseases and self-reported immune status of Swiss dental healthcare workers. , 2021, 151, .		3
76	Influence of Three-dimensional Imaging on Implant Treatment Planning: Implant Diameter and Length. Journal of Contemporary Dental Practice, 2018, 19, 704-711.	0.5	2
77	A novel reference model for dental scanning system evaluation: analysis of five intraoral scanners. Journal of Advanced Prosthodontics, 2022, 14, 63.	2.6	2
78	Evaluation of the dental curriculum at the University of Basel. Does the Master of Dental Medicine adequately prepare for the professional practice?. Swiss Dental Journal, 2016, 126, 1134-1145.	0.1	1
79	Narrative: case history 2. International Journal of Prosthodontics, 2009, 22, 517-9.	1.7	0
80	Clinical follow-up evaluation of Dalbo®-Rotex® retention elements in the private practice. Swiss Dental Journal, 2018, 128, 210-216.	0.1	0
81	Attitudes of dental students towards treating elderly patients. Dental students' attitudes on geriatric patients. Swiss Dental Journal, 2021, 131, .	0.1	0
82	Surgical therapy of peri-implantitis with adjunctive hydroxyapatite and enamel matrix derivative: a 1-year retrospective case series.. Swiss Dental Journal, 2022, 132, .	0.1	0