

Ralf-Joachim Kohal

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1002908/ralf-joachim-kohal-publications-by-year.pdf>

Version: 2024-04-28

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.

77
papers

2,118
citations

27
h-index

44
g-index

86
ext. papers

2,562
ext. citations

4.5
avg, IF

5.12
L-index

#	Paper	IF	Citations
77	A systematic review and meta-analysis evaluating the survival, the failure, and the complication rates of veneered and monolithic all-ceramic implant-supported single crowns. <i>Clinical Oral Implants Research</i> , 2021 , 32 Suppl 21, 254-288	4.8	5
76	A Novel Zirconia-Based Composite Presents an Aging Resistant Material for Narrow-Diameter Ceramic Implants. <i>Materials</i> , 2021 , 14,	3.5	2
75	Accuracy of intraoral scans: An in vivo study of different scanning devices. <i>Journal of Prosthetic Dentistry</i> , 2021 ,	4	4
74	Synchrotron-based micro computed tomography investigation of the implant-abutment fatigue-induced microgap changes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 116, 104330	4.1	1
73	Clinical Performance of CAD/CAM All-Ceramic Tooth-Supported Fixed Dental Prostheses: A Systematic Review and Meta-Analysis. <i>Materials</i> , 2021 , 14,	3.5	3
72	Influence of zirconia implant surface topography on first bone implant contact within a prospective cohort study. <i>Clinical Implant Dentistry and Related Research</i> , 2021 , 23, 593-599	3.9	2
71	The influence of prosthetic crown height and implant-abutment connection design selection on the long-term implant-abutment stability: A laboratory study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 113, 104095	4.1	1
70	5-year randomized multicenter clinical trial on single dental implants placed in the midline of the edentulous mandible. <i>Clinical Oral Implants Research</i> , 2021 , 32, 212-221	4.8	3
69	Polymers for conventional, subtractive, and additive manufacturing of occlusal devices differ in hardness and flexural properties but not in wear resistance. <i>Dental Materials</i> , 2021 , 37, 432-442	5.7	5
68	Immunohistological composition of peri-implantitis affected tissue around ceramic implants-A pilot study. <i>Journal of Periodontology</i> , 2021 , 92, 571-579	4.6	8
67	Does Printing Orientation Matter? In-Vitro Fracture Strength of Temporary Fixed Dental Prostheses after a 1-Year Simulation in the Artificial Mouth. <i>Materials</i> , 2021 , 14,	3.5	6
66	Fracture resistance and crystal phase transformation of a one- and a two-piece zirconia implant with and without simultaneous loading and aging-An in vitro study. <i>Clinical Oral Implants Research</i> , 2021 , 32, 1288-1298	4.8	3
65	IMPACT OF SHORTENED DENTAL ARCH ON ORAL HEALTH-RELATED QUALITY OF LIFE.. <i>Journal of Evidence-based Dental Practice</i> , 2021 , 21, 101622	1.9	1
64	Human osteoblast and fibroblast response to oral implant biomaterials functionalized with non-thermal oxygen plasma. <i>Scientific Reports</i> , 2021 , 11, 17302	4.9	1
63	Zirconia Ceramics: Clinical and Biological Aspects in Dentistry 2021 , 817-832		0
62	Periodontal health in shortened dental arches: A 10-year RCT. <i>Journal of Prosthodontic Research</i> , 2020 , 64, 498-505	4.3	3
61	Virtual implant planning and fully guided implant surgery using magnetic resonance imaging-Proof of principle. <i>Clinical Oral Implants Research</i> , 2020 , 31, 575-583	4.8	13

60	Zirconia implants restored with single crowns or fixed dental prostheses: 5-year results of a prospective cohort investigation. <i>Clinical Oral Implants Research</i> , 2020 , 31, 452-462	4.8	27
59	Fracture Resistance of Zirconia Oral Implants In Vitro: A Systematic Review and Meta-Analysis. <i>Materials</i> , 2020 , 13,	3.5	18
58	Distribution and Chemical Speciation of Exogenous Micro- and Nanoparticles in Inflamed Soft Tissue Adjacent to Titanium and Ceramic Dental Implants. <i>Analytical Chemistry</i> , 2020 , 92, 14432-14443	7.8	8
57	Clinical Longevity of Zirconia Implants with the Focus on Biomechanical and Biological Outcome. <i>Current Oral Health Reports</i> , 2020 , 7, 344-351	1.2	1
56	Reliability of an injection-moulded two-piece zirconia implant with PEKK abutment after long-term thermo-mechanical loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 110, 103967	4.1	2
55	Controlling osteoblast morphology and proliferation via surface micro-topographies of implant biomaterials. <i>Scientific Reports</i> , 2020 , 10, 12810	4.9	30
54	A Prospective Clinical Cohort Investigation on Zirconia Implants: 5-Year Results. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	12
53	All-ceramic single crowns supported by zirconia implants: 5-year results of a prospective multicenter study. <i>Clinical Oral Implants Research</i> , 2019 , 30, 466-475	4.8	14
52	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> , 2019 , 80, 55-62	4.8	14
51	Three-year analysis of zirconia implants used for single-tooth replacement and three-unit fixed dental prostheses: A prospective multicenter study. <i>Clinical Oral Implants Research</i> , 2018 , 29, 290-299	4.8	24
50	Contemporary Digital Restorative and Minimal-Invasive Preservative Surgical Techniques in the Esthetic Zone: A Case Report. <i>Implant Dentistry</i> , 2018 , 27, 142-145	2.4	1
49	Clinical and patient-reported outcomes of zirconia-based implant fixed dental prostheses: Results of a prospective case series 5 years after implant placement. <i>Clinical Oral Implants Research</i> , 2018 , 29, 91-99	4.8	14
48	One-piece zirconia oral implants for single-tooth replacement: Three-year results from a long-term prospective cohort study. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 114-124	7.7	11
47	Osseointegration of zirconia dental implants in animal investigations: A systematic review and meta-analysis. <i>Dental Materials</i> , 2018 , 34, 171-182	5.7	35
46	Keramikimplantate: Was wissen wir?. <i>Zahnmedizin Up2date</i> , 2018 , 12, 379-390	0	
45	Reconstructive aspects: Summary and consensus statements of group 3. The 5 EAO Consensus Conference 2018. <i>Clinical Oral Implants Research</i> , 2018 , 29 Suppl 18, 237-242	4.8	8
44	Clinical outcomes of partial and full-arch all-ceramic implant-supported fixed dental prostheses. A systematic review and meta-analysis. <i>Clinical Oral Implants Research</i> , 2018 , 29 Suppl 18, 224-236	4.8	36
43	The clinical performance of all-ceramic implant-supported single crowns: A systematic review and meta-analysis. <i>Clinical Oral Implants Research</i> , 2018 , 29 Suppl 18, 196-223	4.8	33

42	Stability and aging resistance of a zirconia oral implant using a carbon fiber-reinforced screw for implant-abutment connection. <i>Dental Materials</i> , 2018 , 34, 1585-1595	5.7	12
41	Does Oral Implant Design Affect Marginal Bone Loss? Results of a Parallel-Group Randomized Controlled Equivalence Trial. <i>BioMed Research International</i> , 2018 , 2018, 8436437	3	6
40	Evaluation of zirconia-based posterior single crowns supported by zirconia implants: preliminary results of a prospective multicenter study. <i>Clinical Oral Implants Research</i> , 2017 , 28, 613-619	4.8	18
39	Implant-retained prostheses: ball vs. conus attachments - A randomized controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2017 , 28, 177-185	4.8	17
38	Cellular transcriptional response to zirconia-based implant materials. <i>Dental Materials</i> , 2017 , 33, 241-255	5.7	17
37	Long-term stability of an injection-molded zirconia bone-level implant: A testing protocol considering aging kinetics and dynamic fatigue. <i>Dental Materials</i> , 2017 , 33, 954-965	5.7	15
36	CAD/CAM-fabricated ceramic implant-supported single crowns made from lithium disilicate: Final results of a 5-year prospective cohort study. <i>Clinical Implant Dentistry and Related Research</i> , 2017 , 19, 876-883	3.9	29
35	All-ceramic, bi-layered crowns supported by zirconia implants: Three-year results of a prospective multicenter study. <i>Journal of Dentistry</i> , 2017 , 67, 58-65	4.8	11
34	Fracture resistance of zirconia-based implant abutments after artificial long-term aging. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 66, 224-232	4.1	20
33	Two-piece zirconia oral implants withstand masticatory loads: An investigation in the artificial mouth. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 53, 1-10	4.1	30
32	Marginal bone-level alterations of loaded zirconia and titanium dental implants: an experimental study in the dog mandible. <i>Clinical Oral Implants Research</i> , 2016 , 27, 412-20	4.8	6
31	Evaluation of a one-piece ceramic implant used for single-tooth replacement and three-unit fixed partial dentures: a prospective cohort clinical trial. <i>Clinical Oral Implants Research</i> , 2016 , 27, 751-61	4.8	32
30	Evaluation of alumina toughened zirconia implants with a sintered, moderately rough surface: An experiment in the rat. <i>Dental Materials</i> , 2016 , 32, 65-72	5.7	16
29	Monolithic lithium-disilicate single crowns supported by zirconia oral implants: three-year results of a prospective cohort study. <i>Clinical Oral Implants Research</i> , 2016 , 27, 1160-8	4.8	14
28	Alumina reinforced zirconia implants: 1-year results from a prospective cohort investigation. <i>Clinical Oral Implants Research</i> , 2016 , 27, 481-90	4.8	18
27	Peri-implant bone response to retrieved human zirconia oral implants after a 4-year loading period: A histologic and histomorphometric evaluation of 22 cases. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 1622-1631	3.5	18
26	Bi-layered zirconia/fluor-apatite bridges supported by ceramic dental implants: a prospective case series after thirty months of observation. <i>Clinical Oral Implants Research</i> , 2016 , 27, 1265-1273	4.8	6
25	All-Ceramic Single Crown Restauration of Zirconia Oral Implants and Its Influence on Fracture Resistance: An Investigation in the Artificial Mouth. <i>Materials</i> , 2015 , 8, 1577-1589	3.5	14

24	Fatigue induced changes in conical implant-abutment connections. <i>Dental Materials</i> , 2015 , 31, 1415-26	5.7	36
23	CAD/CAM-fabricated implant-supported restorations: a systematic review. <i>Clinical Oral Implants Research</i> , 2015 , 26 Suppl 11, 77-85	4.8	27
22	Histological analysis of loaded zirconia and titanium dental implants: an experimental study in the dog mandible. <i>Journal of Clinical Periodontology</i> , 2015 , 42, 967-75	7.7	27
21	Evaluation of Zirconia-Based All-Ceramic Single Crowns and Fixed Dental Prosthesis on Zirconia Implants: 5-Year Results of a Prospective Cohort Study. <i>Clinical Implant Dentistry and Related Research</i> , 2015 , 17, 1014-28	3.9	29
20	Alumina reinforced zirconia implants: effects of cyclic loading and abutment modification on fracture resistance. <i>Dental Materials</i> , 2015 , 31, 262-72	5.7	29
19	Differences in morphogenesis of 3D cultured primary human osteoblasts under static and microfluidic growth conditions. <i>Biomaterials</i> , 2014 , 35, 3208-19	15.6	17
18	Software-based evaluation of human attractiveness: a pilot study. <i>Journal of Prosthetic Dentistry</i> , 2014 , 112, 1176-81	4	4
17	Low temperature degradation and reliability of one-piece ceramic oral implants with a porous surface. <i>Dental Materials</i> , 2013 , 29, 389-97	5.7	51
16	Osteoblast and bone tissue response to surface modified zirconia and titanium implant materials. <i>Dental Materials</i> , 2013 , 29, 763-76	5.7	69
15	Distinct cell functions of osteoblasts on UV-functionalized titanium- and zirconia-based implant materials are modulated by surface topography. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 850-63	2.9	35
14	Initial Bacterial Adhesion on Different Yttria-Stabilized Tetragonal Zirconia Implant Surfaces. <i>Materials</i> , 2013 , 6, 5659-5674	3.5	14
13	One-piece zirconia oral implants: one-year results from a prospective case series. 2. Three-unit fixed dental prosthesis (FDP) reconstruction. <i>Journal of Clinical Periodontology</i> , 2013 , 40, 553-62	7.7	52
12	One-piece zirconia oral implants: one-year results from a prospective cohort study. 1. Single tooth replacement. <i>Journal of Clinical Periodontology</i> , 2012 , 39, 590-7	7.7	67
11	The effects of cyclic loading and preparation on the fracture strength of zirconium-dioxide implants: an in vitro investigation. <i>Clinical Oral Implants Research</i> , 2011 , 22, 808-14	4.8	62
10	Performance of Zirconia for Dental Healthcare. <i>Materials</i> , 2010 , 3, 863-896	3.5	48
9	The gene-expression and phenotypic response of hFOB 1.19 osteoblasts to surface-modified titanium and zirconia. <i>Biomaterials</i> , 2009 , 30, 979-90	15.6	122
8	Fracture strength of zirconia implants after artificial aging. <i>Clinical Implant Dentistry and Related Research</i> , 2009 , 11, 158-66	3.9	89
7	Stability of prototype two-piece zirconia and titanium implants after artificial aging: an in vitro pilot study. <i>Clinical Implant Dentistry and Related Research</i> , 2009 , 11, 323-9	3.9	41

6	Biomechanical and histological behavior of zirconia implants: an experiment in the rat. <i>Clinical Oral Implants Research</i> , 2009 , 20, 333-9	4.8	82
5	In vitro reaction of human osteoblasts on alumina-toughened zirconia. <i>Clinical Oral Implants Research</i> , 2009 , 20, 1265-71	4.8	22
4	Are ceramic implants a viable alternative to titanium implants? A systematic literature review. <i>Clinical Oral Implants Research</i> , 2009 , 20 Suppl 4, 32-47	4.8	245
3	Loaded custom-made zirconia and titanium implants show similar osseointegration: an animal experiment. <i>Journal of Periodontology</i> , 2004 , 75, 1262-8	4.6	233
2	A zirconia implant-crown system: a case report. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2004 , 24, 147-53	2.1	26
1	Three-dimensional computerized stress analysis of commercially pure titanium and yttrium-partially stabilized zirconia implants. <i>International Journal of Prosthodontics</i> , 2002 , 15, 189-94	1.9	40