

Benedikt Spies

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,822
citations

257357

24
h-index

302012

39
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78
all docs

78
docs citations

78
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Measured accuracy of intraoral scanners is highly dependent on methodical factors. Journal of Prosthodontic Research, 2022, 66, 318-325.	1.1	20
2	Restoration of 1325 teeth with partial-coverage crowns manufactured from high noble metal alloys: a retrospective case series 18.8 years after prosthetic delivery. Clinical Oral Investigations, 2022, 26, 849-861.	1.4	1
3	In Vitro Time Efficiency, Fit, and Wear of Conventionally- versus Digitally-Fabricated Occlusal Splints. Materials, 2022, 15, 1085.	1.3	15
4	Creating an anatomical wax-up in partially edentulous patients by means of a statistical shape model.. International Journal of Computerized Dentistry, 2022, 0, 0.	0.2	3
5	A Novel Method for Digital Reconstruction of the Mucogingival Borderline in Optical Scans of Dental Plaster Casts. Journal of Clinical Medicine, 2022, 11, 2383.	1.0	3
6	Cytotoxicity of polymers intended for the extrusion-based additive manufacturing of surgical guides. Scientific Reports, 2022, 12, 7391.	1.6	6
7	Does ambient light affect the accuracy and scanning time of intraoral scans?. Journal of Prosthetic Dentistry, 2021, 125, 924-931.	1.1	30
8	Dimensional accuracy of extrusion- and photopolymerization-based 3D printers: In-Vitro study comparing printed casts. Journal of Prosthetic Dentistry, 2021, 125, 103-110.	1.1	39
9	The influence of prosthetic crown height and implant-abutment connection design selection on the long-term implant-abutment stability: A laboratory study. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 113, 104095.	1.5	4
10	Polymers for conventional, subtractive, and additive manufacturing of occlusal devices differ in hardness and flexural properties but not in wear resistance. Dental Materials, 2021, 37, 432-442.	1.6	27
11	Accuracy and its impact on fit of injection molded, milled and additively manufactured occlusal splints. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 114, 104179.	1.5	15
12	Does Printing Orientation Matter? In-Vitro Fracture Strength of Temporary Fixed Dental Prosthesis after a 1-Year Simulation in the Artificial Mouth. Materials, 2021, 14, 259.	1.3	21
13	Retrospective long-term clinical evaluation of implant-prosthetic rehabilitations after head and neck cancer therapy. Clinical Oral Implants Research, 2021, 32, 470-486.	1.9	10
14	A Novel Zirconia-Based Composite Presents an Aging Resistant Material for Narrow-Diameter Ceramic Implants. Materials, 2021, 14, 2151.	1.3	6
15	Synchrotron-based micro computed tomography investigation of the implant-abutment fatigue-induced microgap changes. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 116, 104330.	1.5	8
16	Bond strength of conventional, subtractive, and additive manufactured denture bases to soft and hard relining materials. Dental Materials, 2021, 37, 928-938.	1.6	16
17	Influence of zirconia implant surface topography on first bone implant contact within a prospective cohort study. Clinical Implant Dentistry and Related Research, 2021, 23, 593-599.	1.6	6
18	Implementation of Fused Filament Fabrication in Dentistry. Applied Sciences (Switzerland), 2021, 11, 6444.	1.3	18

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19	Fracture resistance and crystal phase transformation of a one-piece and a two-piece zirconia implant with and without simultaneous loading and aging—An <i>in vitro</i> study. <i>Clinical Oral Implants Research</i> , 2021, 32, 1288-1298.	1.9	7
20	Air seal performance of personalized and statistically shaped 3D-printed face masks compared with market-available surgical and FFP2 masks. <i>Scientific Reports</i> , 2021, 11, 19347.	1.6	13
21	Reliability and aging behavior of three different zirconia grades used for monolithic four-unit fixed dental prostheses. <i>Dental Materials</i> , 2020, 36, e329-e339.	1.6	17
22	Do hydrothermal aging and microwave sterilization affect the trueness of milled, additive manufactured and injection molded denture bases?. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 111, 103975.	1.5	16
23	How Accurate Is Oral Implant Installation Using Surgical Guides Printed from a Degradable and Steam-Sterilized Biopolymer?. <i>Journal of Clinical Medicine</i> , 2020, 9, 2322.	1.0	31
24	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.	1.5	9
25	Clinical Outcomes of Root-Analogue Implants Restored with Single Crowns or Fixed Dental Prostheses: A Retrospective Case Series. <i>Journal of Clinical Medicine</i> , 2020, 9, 2346.	1.0	13
26	A Prospective Clinical Cohort Investigation on Zirconia Implants: 5-Year Results. <i>Journal of Clinical Medicine</i> , 2020, 9, 2585.	1.0	32
27	Pandemic-Driven Development of a Medical-Grade, Economic and Decentralized Applicable Polyolefin Filament for Additive Fused Filament Fabrication. <i>Molecules</i> , 2020, 25, 5929.	1.7	9
28	Forced Orthodontic Extrusion: A Practical Therapy Method for Apparently Hopeless Teeth? A Case Report. <i>International Journal of Prosthodontics</i> , 2020, 33, 684-688.	0.7	2
29	Digitization of One-Piece Oral Implants: A Feasibility Study. <i>Materials</i> , 2020, 13, 1990.	1.3	2
30	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.	1.9	52
31	Fracture Resistance of Zirconia Oral Implants In Vitro: A Systematic Review and Meta-Analysis. <i>Materials</i> , 2020, 13, 562.	1.3	35
32	3-D Printed Protective Equipment during COVID-19 Pandemic. <i>Materials</i> , 2020, 13, 1997.	1.3	75
33	Guided implant surgery for one-piece ceramic implants: a digital workflow. <i>International Journal of Computerized Dentistry</i> , 2020, 23, 73-82.	0.2	4
34	Survival rates and complication behaviour of tooth implant-supported, fixed dental prostheses: A systematic review and meta-analysis. <i>Journal of Dentistry</i> , 2019, 88, 103167.	1.7	23
35	Is a Zirconia Dental Implant Safe When It Is Available on the Market?. <i>Ceramics</i> , 2019, 2, 568-577.	1.0	7
36	Prosthodontic Rehabilitation with Fixed Monolithic Translucent Zirconia Restorations: A Case History Report. <i>International Journal of Prosthodontics</i> , 2019, 32, 544-548.	0.7	5

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37	Trade-off between fracture resistance and translucency of zirconia and lithium-disilicate glass ceramics for monolithic restorations. <i>Acta Biomaterialia</i> , 2019, 91, 24-34.	4.1	138
38	Digital and Orthodontically Driven Implant Planning: A Multidisciplinary Case History Report. <i>International Journal of Prosthodontics</i> , 2019, 32, 214-216.	0.7	1
39	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.	1.9	24
40	High-translucent yttria-stabilized zirconia ceramics are wear-resistant and antagonist-friendly. <i>Dental Materials</i> , 2019, 35, 1776-1790.	1.6	61
41	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.	1.9	36
42	Contemporary Digital Restorative and Minimal-Invasive Preservative Surgical Techniques in the Esthetic Zone. <i>Implant Dentistry</i> , 2018, 27, 142-145.	1.7	1
43	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.	1.9	19
44	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.	2.3	19
45	Osseointegration of zirconia dental implants in animal investigations: A systematic review and meta-analysis. <i>Dental Materials</i> , 2018, 34, 171-182.	1.6	50
46	Reconstructive aspects: Summary and consensus statements of group 3. The 5 th EAO Consensus Conference 2018. <i>Clinical Oral Implants Research</i> , 2018, 29, 237-242.	1.9	13
47	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, 224-236.	1.9	58
48	The clinical performance of all-ceramic implant-supported single crowns: A systematic review and meta-analysis. <i>Clinical Oral Implants Research</i> , 2018, 29, 196-223.	1.9	60
49	Digital Impression-Taking Facilitates Prosthetic Rehabilitation of Microstomia Patients: A Case History Report. <i>International Journal of Prosthodontics</i> , 2018, 32, 110-112.	0.7	7
50	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.	1.6	19
51	Digital Production of a Zirconia, Implant-Supported Removable Prosthesis with an Individual Bar Attachment Milled from Polyether Ether Ketone: A Case History Report. <i>International Journal of Prosthodontics</i> , 2018, 31, 471-474.	0.7	4
52	Does Oral Implant Design Affect Marginal Bone Loss? Results of a Parallel-Group Randomized Controlled Equivalence Trial. <i>BioMed Research International</i> , 2018, 2018, 1-11.	0.9	7
53	Direct or Indirect Restoration of Endodontically Treated Maxillary Central Incisors with Class III Defects? Composite vs Veneer or Crown Restoration. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 519-526.	0.3	9
54	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.	1.9	22

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55	Implant-retained prostheses: ball vs. conus attachments – A randomized controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2017, 28, 177-185.	1.9	19
56	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.	1.6	19
57	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.	1.6	44
58	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.	1.7	15
59	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.	1.5	31
60	Clinical Outcomes of Zirconia Dental Implants: A Systematic Review. <i>Journal of Dental Research</i> , 2017, 96, 38-46.	2.5	164
61	Socket Shield Technique for Implant Placement in the Esthetic Zone: A Case Report. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2017, 37, 853-860.	0.4	17
62	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, 1160-1168.	1.9	19
63	Alumina reinforced zirconia implants: 1-year results from a prospective cohort investigation. <i>Clinical Oral Implants Research</i> , 2016, 27, 481-490.	1.9	29
64	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.	1.6	25
65	Bi-layered zirconia/fluorapatite 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.	1.9	9
66	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.	1.5	39
67	CAD/CAM-fabricated implant-supported restorations: a systematic review. <i>Clinical Oral Implants Research</i> , 2015, 26, 77-85.	1.9	39
68	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, 1014-1028.	1.6	35
69	Alumina reinforced zirconia implants: Effects of cyclic loading and abutment modification on fracture resistance. <i>Dental Materials</i> , 2015, 31, 262-272.	1.6	35
70	All-Ceramic Single Crown Restoration of Zirconia Oral Implants and Its Influence on Fracture Resistance: An Investigation in the Artificial Mouth. <i>Materials</i> , 2015, 8, 1577-1589.	1.3	17
71	Clinical and Patient-reported Outcomes of a Zirconia Oral Implant. <i>Journal of Dental Research</i> , 2015, 94, 1385-1391.	2.5	40
72	Fatigue induced changes in conical implant-abutment connections. <i>Dental Materials</i> , 2015, 31, 1415-1426.	1.6	58

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73	Efficacy of enzymatic mouth rinses for immobilisation of protective enzymes in the in situ pellicle. Archives of Oral Biology, 2010, 55, 1-6.	0.8	19