

Markus Bernhard Blatz

List of Publications by Citations

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

97
papers

2,414
citations

24
h-index

47
g-index

111
ext. papers

2,874
ext. citations

2.7
avg, IF

5.19
L-index

#	Paper	IF	Citations
97	Resin-ceramic bonding: a review of the literature. <i>Journal of Prosthetic Dentistry</i> , 2003 , 89, 268-74	4	596
96	In vitro evaluation of shear bond strengths of resin to densely-sintered high-purity zirconium-oxide ceramic after long-term storage and thermal cycling. <i>Journal of Prosthetic Dentistry</i> , 2004 , 91, 356-62	4	226
95	Current status of zirconia-based fixed restorations. <i>Journal of Oral Science</i> , 2010 , 52, 531-9	1.5	104
94	A comparison of bond strength of layered veneering porcelains to zirconia and metal. <i>Journal of Prosthetic Dentistry</i> , 2010 , 104, 247-57	4	95
93	In vitro comparative bond strength of contemporary self-adhesive resin cements to zirconium oxide ceramic with and without air-particle abrasion. <i>Clinical Oral Investigations</i> , 2010 , 14, 187-92	4.2	90
92	Resin bond to indirect composite and new ceramic/polymer materials: a review of the literature. <i>Journal of Esthetic and Restorative Dentistry</i> , 2014 , 26, 382-93	3.5	86
91	In vitro evaluation of long-term bonding of Procera AllCeram alumina restorations with a modified resin luting agent. <i>Journal of Prosthetic Dentistry</i> , 2003 , 89, 381-7	4	60
90	The Current State of Chairside Digital Dentistry and Materials. <i>Dental Clinics of North America</i> , 2019 , 63, 175-197	3.3	55
89	Precision of fit of implant-supported screw-retained 10-unit computer-aided-designed and computer-aided-manufactured frameworks made from zirconium dioxide and titanium: an in vitro study. <i>Clinical Oral Implants Research</i> , 2014 , 25, 165-74	4.8	53
88	Precision for computer-guided implant placement: using 3D planning software and fixed intraoral reference points. <i>Journal of Oral and Maxillofacial Surgery</i> , 2007 , 65, 393-9	1.8	45
87	Clinical outcome of single porcelain-fused-to-zirconium dioxide crowns: a systematic review. <i>Journal of Prosthetic Dentistry</i> , 2013 , 110, 455-61	4	44
86	Influence of surface treatment and simulated aging on bond strengths of luting agents to zirconia. <i>Quintessence International</i> , 2007 , 38, 745-53	2	44
85	Influence of contamination and cleaning on bond strength to modified zirconia. <i>Dental Materials</i> , 2009 , 25, 1541-50	5.7	42
84	Clinical performance of anterior resin-bonded fixed dental prostheses with different framework designs: A systematic review and meta-analysis. <i>Journal of Dentistry</i> , 2016 , 47, 1-7	4.8	41
83	Zirconia abutments for single-tooth implants--rationale and clinical guidelines. <i>Journal of Oral and Maxillofacial Surgery</i> , 2009 , 67, 74-81	1.8	41
82	Effect of thickness and surface modifications on flexural strength of monolithic zirconia. <i>Journal of Prosthetic Dentistry</i> , 2018 , 119, 987-993	4	35
81	3D printed complete removable dental prostheses: a narrative review. <i>BMC Oral Health</i> , 2020 , 20, 343	3.7	35

80	Bonding of resin-based luting cements to zirconia with and without the use of ceramic priming agents. <i>Journal of Adhesive Dentistry</i> , 2012 , 14, 385-92	3	31
79	Prosthetic considerations for predictable single-implant esthetics in the anterior maxilla. <i>Journal of Oral and Maxillofacial Surgery</i> , 2005 , 63, 89-96	1.8	27
78	Long-term clinical success of all-ceramic posterior restorations. <i>Quintessence International</i> , 2002 , 33, 415-26		27
77	CAD/CAM fabrication accuracy of long- vs. short-span implant-supported FDPs. <i>Clinical Oral Implants Research</i> , 2015 , 26, 245-9	4.8	25
76	In vitro precision of fit of computer-aided design and computer-aided manufacturing titanium and zirconium dioxide bars. <i>Dental Materials</i> , 2013 , 29, 945-53	5.7	25
75	Single-implant restorations: a contemporary approach for achieving a predictable outcome. <i>Journal of Oral and Maxillofacial Surgery</i> , 2004 , 62, 73-81	1.8	25
74	Virtual implant planning in the edentulous maxilla: criteria for decision making of prosthesis design. <i>Clinical Oral Implants Research</i> , 2013 , 24 Suppl A100, 152-9	4.8	24
73	Precision of fit of two margin designs for metal-ceramic crowns. <i>Journal of Prosthodontics</i> , 2007 , 16, 233-79		24
72	In vitro durability of the resin bond to feldspathic ceramics. <i>American Journal of Dentistry</i> , 2004 , 17, 169-73		23
71	Evaluation of cytotoxic effects of six self-etching adhesives with direct and indirect contact tests. <i>Dental Materials Journal</i> , 2011 , 30, 799-805	2.5	22
70	Bond strength of different veneering ceramics to zirconia and their susceptibility to thermocycling. <i>American Journal of Dentistry</i> , 2010 , 23, 213-6	1.3	21
69	Immediate loading of dental implants in the edentulous mandible. <i>Journal of the American Dental Association</i> , 2004 , 135, 1543-9; quiz 1621-2	1.9	20
68	In vivo and in vitro evaluations of microleakage around Class I amalgam and composite restorations. <i>Operative Dentistry</i> , 2010 , 35, 641-8	2.9	19
67	Laser therapy may be better than topical desensitizing agents for treating dentin hypersensitivity. <i>Journal of Evidence-based Dental Practice</i> , 2012 , 12, 69-70	1.9	18
66	Long-term resin bond to densely sintered aluminum oxide ceramic. <i>Journal of Esthetic and Restorative Dentistry</i> , 2003 , 15, 362-8; discussion 369	3.5	18
65	In vitro precision of fit of computer-aided designed and computer-aided manufactured titanium screw-retained fixed dental prostheses before and after ceramic veneering. <i>Clinical Oral Implants Research</i> , 2015 , 26, 44-9	4.8	17
64	Analysis of select facial and dental esthetic parameters. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2014 , 34, 623-9	2.1	17
63	Fracture resistance of single-tooth implant-supported zirconia-based indirect composite-layered molar restorations. <i>Clinical Oral Implants Research</i> , 2014 , 25, 983-91	4.8	16

62	Comparison of marginal fit between all-porcelain margin versus alumina-supported margin on Procera Alumina crowns. <i>Journal of Prosthodontics</i> , 2009 , 18, 162-6	3.9	15
61	Effect of thermomechanical aging on bond strength and interface morphology of glass fiber and zirconia posts bonded with a self-etch adhesive and a self-adhesive resin cement to natural teeth. <i>Journal of Prosthetic Dentistry</i> , 2014 , 112, 455-64	4	14
60	Durability of bond between an indirect composite veneering material and zirconium dioxide ceramics. <i>Acta Odontologica Scandinavica</i> , 2013 , 71, 457-63	2.2	14
59	Fracture resistance of implant-supported screw-retained zirconia-based molar restorations. <i>Clinical Oral Implants Research</i> , 2017 , 28, 1119-1126	4.8	14
58	Effects of framework design and layering material on fracture strength of implant-supported zirconia-based molar crowns. <i>Clinical Oral Implants Research</i> , 2015 , 26, 1407-13	4.8	14
57	The effect of different surface treatments on the bond strength of a gingiva-colored indirect composite veneering material to three implant framework materials. <i>Clinical Oral Implants Research</i> , 2013 , 24, 977-84	4.8	12
56	Adhesive cementation of high-strength ceramics. <i>Journal of Esthetic and Restorative Dentistry</i> , 2007 , 19, 238-9	3.5	11
55	Influence of operator experience on in vitro bond strength of dentin adhesives. <i>Journal of Adhesive Dentistry</i> , 2012 , 14, 223-7	3	11
54	Clinical Performance of All-Ceramic Dental Restorations. <i>Current Oral Health Reports</i> , 2017 , 4, 112-123	1.2	10
53	Shear bond strength between an indirect composite layering material and feldspathic porcelain-coated zirconia ceramics. <i>Clinical Oral Investigations</i> , 2012 , 16, 1401-11	4.2	10
52	A retrospective survey on long-term survival of posterior zirconia and porcelain-fused-to-metal crowns in private practice. <i>Quintessence International</i> , 2014 , 45, 31-8	2	10
51	Adhesive bonding of zirconia with single-liquid acidic primers and a tri-n-butylborane initiated acrylic resin. <i>Journal of Adhesive Dentistry</i> , 2010 , 12, 305-10	3	10
50	Human Oral Motion-Powered Smart Dental Implant (SDI) for In Situ Ambulatory Photo-biomodulation Therapy. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000658	10.1	9
49	Postoperative tooth sensitivity with a new self-adhesive resin cement--a randomized clinical trial. <i>Clinical Oral Investigations</i> , 2013 , 17, 793-8	4.2	9
48	Prosthetic considerations for orthodontic implant site development in the adult patient. <i>Journal of Oral and Maxillofacial Surgery</i> , 2009 , 67, 82-8	1.8	9
47	Clinical application of surgical fixation screws in implant prosthodontics--Part I: positioning of radiographic and surgical templates. <i>Journal of Prosthetic Dentistry</i> , 2004 , 92, 395-8	4	9
46	Effect of rubbing force magnitude on bond strength of universal adhesives applied in self-etch mode. <i>Dental Materials Journal</i> , 2018 , 37, 139-145	2.5	8
45	In vitro shear bond strength of dual-curing resin cements to two different high-strength ceramic materials with different surface texture. <i>Acta Odontologica Scandinavica</i> , 2009 , 67, 346-54	2.2	8

44	Prosthetic design considerations for anterior single-implant restorations. <i>Journal of Esthetic and Restorative Dentistry</i> , 2004 , 16, 165-75; discussion 175	3.5	8
43	Influence of cementation technique on fracture strength and leakage of alumina all-ceramic crowns after cyclic loading. <i>Quintessence International</i> , 2008 , 39, 23-32	2	8
42	How to Bond Zirconia: The APC Concept. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2016 , 37, 611-617; quiz 618	0.3	8
41	Microtensile bond strength to enamel affected by hypoplastic amelogenesis imperfecta. <i>Journal of Adhesive Dentistry</i> , 2014 , 16, 7-14	3	7
40	Effect of surface treatment and cleaning on the bond strength to polymer-infiltrated ceramic network CAD-CAM material. <i>Journal of Prosthetic Dentistry</i> , 2021 , 126, 698-702	4	7
39	Laser therapy may be better than topical desensitizing agents for treating dentin hypersensitivity. <i>Journal of Evidence-based Dental Practice</i> , 2012 , 12, 229-30	1.9	6
38	The esthetic biological contour concept for implant restoration emergence profile design. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 173-184	3.5	6
37	Wear of resin teeth opposing zirconia. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 488-493	4	5
36	Adhesive Bonding to Hybrid Materials: An Overview of Materials and Recommendations. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2016 , 37, 630-637	0.3	5
35	An in vitro evaluation of fracture load of implant-supported zirconia-based prostheses fabricated with different veneer materials. <i>Clinical Oral Implants Research</i> , 2018 , 29, 396-403	4.8	4
34	Clinical application of surgical fixation screws in implant prosthodontics--Part II: Indexing implant position. <i>Journal of Prosthetic Dentistry</i> , 2004 , 92, 496-9	4	4
33	Bond strengths of various resin cements to different ceramics. <i>Brazilian Oral Research</i> , 2019 , 33, e095	2.6	4
32	Effect of Air-Particle Abrasion Protocol and Primer on The Topography and Bond Strength of a High-Translucent Zirconia Ceramic. <i>Journal of Prosthodontics</i> , 2021 ,	3.9	4
31	A 10-Year Follow-Up of Different Intra-Radicular Retainers in Teeth Restored with Zirconia Crowns. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2019 , 11, 409-417	1.6	4
30	Shear bond strength of composite cement to alumina-coated versus tribochemical silica-treated zirconia. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 105, 103710	4.1	4
29	Predictable immediate implant placement and restoration in the esthetic zone. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 158-172	3.5	4
28	The current state of adhesive dentistry: a guide for clinical practice. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2013 , 34 Spec 9, 2-8	0.3	4
27	Application of interim fixed reference points to maintain the occlusal vertical dimension: a technique for immediate loading protocols in the edentulous mandible. <i>Journal of Prosthetic Dentistry</i> , 2006 , 96, 134-8	4	3

26	Loading capacity of CAD/CAM-fabricated anterior feldspathic ceramic crowns bonded to one-piece zirconia implants with different cements. <i>Clinical Oral Implants Research</i> , 2019 , 30, 178-186	4.8	3
25	Shear bond strength of luting cements to fixed superstructure metal surfaces under various seating forces. <i>Journal of Advanced Prosthodontics</i> , 2018 , 10, 340-346	2.2	3
24	The Impact of 3D Implant Position on Emergence Profile Design. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2021 , 41, 79-86	2.1	3
23	Effect of Storage Temperature on the Shelf Life of Self-adhesive Resin Cements. <i>Journal of Adhesive Dentistry</i> , 2015 , 17, 545-50	3	3
22	Relationship between air-blowing duration and bond strengths of three adhesive systems to dentin after thermal aging. <i>Dental Materials Journal</i> , 2013 , 32, 767-74	2.5	2
21	Copy milling to duplicate the emergence profile for implant-supported restorations. <i>Journal of Prosthetic Dentistry</i> , 2020 , 123, 671-674	4	2
20	Dental software classification and dento-facial interdisciplinary planning platform. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 99-106	3.5	2
19	Accuracy of Dental and Industrial 3D Printers.. <i>Journal of Prosthodontics</i> , 2022 , 31, 30-37	3.9	2
18	Three-dimensional analysis of the correlation between anterior tooth form and face shape. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2014 , 34, 765-71	2.1	1
17	The effect of canal cleansing protocols on cementation of a fiber post to saliva-contaminated root canals. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 71-81	2	1
16	The resin bond to high-translucent zirconia-A systematic review.. <i>Journal of Esthetic and Restorative Dentistry</i> , 2022 ,	3.5	1
15	Effect of different ceramic primers on shear bond strength of resin-modified glass ionomer cement to zirconia. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 2429-2438	2	1
14	Diagnosis of Biofilm-Associated Peri-Implant Disease Using a Fluorescence-Based Approach. <i>Dentistry Journal</i> , 2021 , 9,	3.1	1
13	Bonding protocols for improved long-term clinical success. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2014 , 35, 276-7	0.3	1
12	Cementation and Bonding of Zirconia Restorations. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2018 , 39, 9-13	0.3	1
11	Inhibition of root dentin demineralization by ion releasing cements. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020 , 32, 791-796	3.5	0
10	Digital Implant Planning and Surgical Guides: Tools for Clinical Success. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2021 , 42, 400-401	0.3	0
9	The Effect of Decalcified Root Surfaces on Dentinal Bond Strength 2016 , 92, 469-484		

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| 8 | Effect of fluoride varnish with added casein phosphopeptide-amorphous calcium phosphate on bond strength to enamel. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 581-590 | 2 |
| 7 | Quantification of Endogenous Matrix Metalloprotease 8 (MMP-8) in Dentinal Cavity Walls. <i>FASEB Journal</i> , 2013 , 27, lb28 | 0.9 |
| 6 | Replacing a single molar with dental implants. <i>Practical Procedures & Aesthetic Dentistry: PPAD</i> , 2004 , 16, 370 | |
| 5 | Ceramic restorations. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2004 , 25, 412, 414, 416 passim | 0.3 |
| 4 | A modified technique for direct Class II posterior composite restorations. <i>Practical Procedures & Aesthetic Dentistry: PPAD</i> , 2006 , 18, 624 | |
| 3 | Simplified Fabrication of an Esthetic Implant-Supported Crown With a Novel CAD/CAM Glass Ceramic. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2016 , 37, 396-9 | 0.3 |
| 2 | Autotransplantation: An Alternative to Dental Implants- Case Report With 4-Year Follow-Up. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2018 , 39, 374-381 | 0.3 |
| 1 | Fluorescence-Enhanced Theragnosis: A Novel Approach to Visualize, Detect, and Remove Caries. <i>Compendium of Continuing Education in Dentistry (Jamesburg, N J: 1995)</i> , 2021 , 42, 460-465 | 0.3 |