Atsushi Mine

List of Publications by Year
in descending order

89 papers	5,188 citations	147801 31 h-index	85541 71 g-index
91 all docs	91 docs citations	91 times ranked	2977 citing authors

#	Article	IF	Citations
1	State of the art of self-etch adhesives. Dental Materials, 2011, 27, 17-28.	3.5	1,001
2	Relationship between bond-strength tests and clinical outcomes. Dental Materials, 2010, 26, e100-e121.	3.5	597
3	Bonding effectiveness of a new â€˜multi-modeâ€™ adhesive to enamel and dentine. Journal of Dentistry, 2012, 40, 475-484.	4.1	293
4	Current aspects on bonding effectiveness and stability in adhesive dentistry. Australian Dental Journal, 2011, 56, 31-44.	1.5	279
5	Clinical effectiveness of contemporary adhesives for the restoration of non-carious cervical lesions. A systematic review. Dental Materials, 2014, 30, 1089-1103.	3.5	213
6	Nano-controlled molecular interaction at adhesive interfaces for hard tissue reconstruction. Acta Biomaterialia, 2010, 6, 3573-3582.	8.3	208
7	Inhibition of Enzymatic Degradation of Adhesive-Dentin Interfaces. Journal of Dental Research, 2009, 88, 1101-1106.	5.2	206
8	Meta-analytical Review of Parameters Involved in Dentin Bonding. Journal of Dental Research, 2012, 91, 351-357.	5.2	196
9	Microtensile Bond Strength and Interfacial Characterization of 11 Contemporary Adhesives Bonded to Bur-cut Dentin. Operative Dentistry, 2010, 35, 94-104.	1.2	118
10	Does a low-shrinking composite induce less stress at the adhesive interface?. Dental Materials, 2010, 26, 215-222.	3.5	117
11	Bonding effectiveness of self-adhesive composites to dentin and enamel. Dental Materials, 2013, 29, 221-230.	3.5	102
12	Are one-step adhesives easier to use and better performing? Multifactorial assessment of contemporary one-step self-etching adhesives. Journal of Adhesive Dentistry, 2009, 11, 175-90.	0.5	100
13	Enzymatic degradation of adhesiveâ€“dentin interfaces produced by mild selfâ€etch adhesives. European Journal of Oral Sciences, 2010, 118, 494-501.	1.5	89
14	Filler Debonding & Subhybrid-layer Failures in Self-etch Adhesives. Journal of Dental Research, 2010, 89, 1045-1050.	5.2	89
15	Bonding effectiveness of two contemporary self-etch adhesives to enamel and dentin. Journal of Dentistry, 2009, 37, 872-883.	4.1	82
16	TEM characterization of a silorane composite bonded to enamel/dentin. Dental Materials, 2010, 26, 524-532.	3.5	76
17	Bonding of low-shrinking composites in high C-factor cavities. Journal of Dentistry, 2012, 40, 295-303.	4.1	71
18	Bonding effectiveness of self-adhesive and conventional-type adhesive resin cements to CAD/CAM resin blocks. Part 1: Effects of sandblasting and silanization. Dental Materials Journal, 2016, 35, 21-28.	1.8	63

#	Article	IF	Citations
19	Towards a better understanding of the adhesion mechanism of resin-modified glass-ionomers by bonding to differently prepared dentin. Journal of Dentistry, 2010, 38, 921-929.	4.1	62
20	Enamel-Smear Compromises Bonding by Mild Self-Etch Adhesives. Journal of Dental Research, 2010, 89, 1505-1509.	5.2	61
21	Predicting the Debonding of CAD/CAM Composite Resin Crowns with AI. Journal of Dental Research, 2019, 98, 1234-1238.	5.2	61
22	Immediate bonding effectiveness of contemporary composite cements to dentin. Clinical Oral Investigations, 2010, 14, 569-577.	3.0	60
23	Effect of 4-MET- and 10-MDP-based Primers on Resin Bonding to Titanium. Dental Materials Journal, 2006, 25, 120-124.	1.8	56
24	Impact of implant number, distribution and prosthesis material on loading on implants supporting fixed prostheses. Journal of Oral Rehabilitation, 2010, 37, 525-531.	3.0	55
25	Practical whole-tooth restoration utilizing autologous bioengineered tooth germ transplantation in a postnatal canine model. Scientific Reports, 2017, 7, 44522.	3.3	53
26	Dentin-smear remains at self-etch adhesive interface. Dental Materials, 2014, 30, 1147-1153.	3.5	50
27	Effectiveness of current adhesive systems when bonding to CAD/CAM indirect resin materials: A review of 32 publications. Japanese Dental Science Review, 2019, 55, 41-50.	5.1	47
28	Effects of exercise therapy on painful temporomandibular disorders. Journal of Oral Rehabilitation, 2019, 46, 475-481.	3.0	43
29	Effect of surface pre-treatment on durability of resin-based cements bonded to titanium. Dental Materials, 2006, 22, 545-552.	3.5	35
30	Potential smear layer interference with bonding of self-etching adhesives to dentin. Journal of Adhesive Dentistry, 2013, 15, 317-24.	0.5	34
31	Effect of dentin location and long-term water storage on bonding effectiveness of dentin adhesives. Dental Materials Journal, 2011, 30, 7-13.	1.8	33
32	Adhesion procedure for CAD/CAM resin crown bonding: Reduction of bond strengths due to artificial saliva contamination. Journal of Prosthodontic Research, 2018, 62, 177-183.	2.8	33
33	Hydrofluoric acid on dentin should be avoided. Dental Materials, 2010, 26, 643-649.	3.5	30
34	Technique sensitivity of water-free one-step adhesives. Dental Materials, 2008, 24, 1258-1267.	3.5	29
35	Limited interaction of a self-adhesive flowable composite with dentin/enamel characterized by TEM. Dental Materials, 2017, 33, 209-217.	3.5	29
36	Fifteen-year survival of resin-bonded vs full-coverage fixed dental prostheses. Journal of Prosthodontic Research, 2019, 63, 374-382.	2.8	29

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37	Dynamic versus static bond-strength testing of adhesive interfaces. Dental Materials, 2010, 26, 1068-1076.	3.5	28
38	Bonding effectiveness of self-adhesive and conventional-type adhesive resin cements to CAD/CAM resin blocks. Part 2: Effect of ultrasonic and acid cleaning. Dental Materials Journal, 2016, 35, 29-36.	1.8	28
39	Bonding effectiveness and interfacial characterization of a HEMA/TEGDMA-free three-step etch&rinse adhesive. Journal of Dentistry, 2008, 36, 767-773.	4.1	25
40	Development of a Cavity Disinfectant Containing Antibacterial Monomer MDPB. Journal of Dental Research, 2016, 95, 1487-1493.	5.2	25
41	A 15-year clinical comparative study of the cumulative survival rate of cast metal core and resin core restorations luted with adhesive resin cement. International Journal of Prosthodontics, 2010, 23, 397-405.	1.7	25
42	Optimization of the concentration of photo-initiator in a one-step self-etch adhesive. Dental Materials, 2009, 25, 982-988.	3.5	24
43	TEM interfacial characterization of an experimental self-adhesive filling material bonded to enamel/dentin. Dental Materials, 2011, 27, 818-824.	3.5	21
44	Chemical interaction of polyphosphoric acid with titanium and its effect on human bone marrow derived mesenchymal stem cell behavior. Journal of Biomedical Materials Research - Part A, 2007, 82A, 195-200.	4.0	18
45	Effect of polyphosphoric acid preâ€treatment of titanium on attachment, proliferation, and differentiation of osteoblastâ€like cells (MC3T3â€E1). Clinical Oral Implants Research, 2008, 19, 320-325.	4.5	16
46	Adhesion procedures for CAD/CAM indirect resin composite block: A new resin primer versus a conventional silanizing agent. Journal of Prosthodontic Research, 2020, 64, 319-325.	2.8	16
47	Spectroscopic Characterization of Enamel Surfaces Irradiated with Er:YAG Laser. Dental Materials Journal, 2006, 25, 214-218.	1.8	15
48	Allergic Reaction to Titaniumâ€Made Fixed Dental Restorations: A Clinical Report. Journal of Prosthodontics, 2014, 23, 501-503.	3.7	15
49	Porcelain Veneer Bonding to Enamel with Plasma-arc Light Resin Curing.. Dental Materials Journal, 2002, 21, 61-68.	1.8	14
50	Regression of pustulosis palmaris et plantaris by periodontal treatment in a subject with severe periodontitis. International Journal of Dermatology, 2006, 45, 1420-1422.	1.0	14
51	Four-year clinical evaluation of CAD/CAM indirect resin composite premolar crowns using 3D digital data: Discovering the causes of debonding. Journal of Prosthodontic Research, 2022, 66, 402-408.	2.8	14
52	Critical review about two myths in fixed dental prostheses: Full-Coverage vs. Resin-Bonded, non-Cantilever vs. Cantilever. Japanese Dental Science Review, 2021, 57, 33-38.	5.1	14
53	A Problemâ€Based Learning Tutorial for Dental Students Regarding Elderly Residents in a Nursing Home in Japan. Journal of Dental Education, 2012, 76, 1580-1588.	1.2	13
54	MDP is effective for removing residual polycarboxylate temporary cement as an adhesion inhibitor. Dental Materials Journal, 2020, 39, 1087-1095.	1.8	13

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55	Transmission Electron Microscopic Examination of the Interface Between a Resin-Modified Glass-Ionomer and Er:YAG Laser-Irradiated Dentin. Photomedicine and Laser Surgery, 2009, 27, 317-323.	2.0	9
56	Effect of low-shrinking composite on the bonding effectiveness of two adhesives in occlusal Class-I cavities. Dental Materials Journal, 2012, 31, 418-426.	1.8	9
57	Nondestructive observation of teeth post core space using optical coherence tomography: a pilot study. Journal of Biomedical Optics, 2014, 19, 046004.	2.6	9
58	Back to the multi-step adhesive system: A next-generation two-step system with hydrophobic bonding agent improves bonding effectiveness. Dental Materials Journal, 2021, 40, 928-933.	1.8	9
59	The effect of clinical experience on dentine bonding effectiveness: students versus trained dentists. Journal of Oral Rehabilitation, 2010, 37, 653-657.	3.0	8
60	Hydrolytic stability of three-step etch-and-rinse adhesives in occlusal class-I cavities. Clinical Oral Investigations, 2013, 17, 1911-1918.	3.0	8
61	Novel testing method to evaluate the mechanical strength of self-adhesive resin cements with reflection of cement thickness. Dental Materials Journal, 2021, 40, 1235-1242.	1.8	8
62	Porcelain Veneer Bonding to Dentin and the Curing Performance of Plasma-arc Light with Respect to Porcelain Thickness. Dental Materials Journal, 2003, 22, 313-320.	1.8	8
63	Advanced Statistical Analyses to Reduce Inconsistency of Bond Strength Data. Journal of Dental Research, 2017, 96, 1400-1405.	5.2	7
64	Status of decontamination methods after using dentin adhesion inhibitors on indirect restorations: An integrative review of 19 publications. Japanese Dental Science Review, 2021, 57, 147-153.	5.1	7
65	Nondestructive observation of teeth post core-space using optical coherence tomography: comparison with microcomputed tomography and live images. Journal of Biomedical Optics, 2015, 20, 1.	2.6	6
66	Current status and future prospect of CAD/CAM composite crown. Annals of Japan Prosthodontic Society, 2017, 9, 1-15.	0.0	6
67	Combination of a silane coupling agent and resin primer reinforces bonding effectiveness to a CAD/CAM indirect resin composite block. Dental Materials Journal, 2021, 40, 1445-1452.	1.8	6
68	Bonding effectiveness and multi-interfacial characterization of two direct buildup resin core systems bonded to post-space dentin. Clinical Oral Investigations, 2017, 21, 309-317.	3.0	5
69	Effectiveness of pretreatment with phosphoric acid, sodium hypochlorite and sulfinic acid sodium salt on root canal dentin resin bonding. Journal of Prosthodontic Research, 2020, 64, 272-280.	2.8	5
70	Does the bonding effectiveness of a fiber post/resin composite benefit from mechanical or chemical treatment? Seven methods for saliva-contaminated surfaces. Journal of Prosthodontic Research, 2022, 66, 288-295.	2.8	5
71	Influence of resin coating materials on Porphyromonas gingivalis attachment. Dental Materials Journal, 2012, 31, 86-91.	1.8	4
72	Effectiveness of sodium hypochlorite and sulfinic acid sodium salt treatment on dentin-resin bonding: Long-term durability of one-step self-etching adhesive. Dental Materials Journal, 2017, 36, 842-850.	1.8	4

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73	Effects of three drying methods of post space dentin bonding used in a direct resin composite core build-up method. Journal of Prosthodontic Research, 2018, 62, 449-455.	2.8	4
74	Development of dental inspection method: nondestructive evaluation of a dentinâ€“adhesive interface by acoustic emission. Journal of Prosthodontic Research, 2021, 65, 438-442.	2.8	3
75	Dental adhesives and adhesive performance. , 2008, , 81-111.		2
76	Do resin core build-ups obtain the benefits of higher bonding ability from direct or indirect technique?. Journal of Prosthodontic Research, 2021, 65, 565-572.	2.8	2
77	Development of dental inspection method: Nondestructive evaluation of an adhesive interface by ACTIVE acoustic emission. Journal of Prosthodontic Research, 2022, 66, 236-242.	2.8	2
78	With The Aim of Treatment Guideline Development For Dental Metal Allergy and Rerated Diseases. Annals of Japan Prosthodontic Society, 2016, 8, 327-339.	0.0	2
79	The quasi-three-dimensional marginal leakage of full-coverage crowns: resin coating versus sodium hypochlorite treatment. International Journal of Prosthodontics, 2010, 23, 406-9.	1.7	2
80	A problem-based learning tutorial for dental students regarding elderly residents in a nursing home in Japan. Journal of Dental Education, 2012, 76, 1580-8.	1.2	2
81	Selfâ€Adhesive Resin Cementsâ€”Part I. Journal of Esthetic and Restorative Dentistry, 2012, 24, 221-225.	3.8	1
82	Development of novel measurement method for consistency of resin cements. Dental Materials Journal, 2021, 40, 1063-1067.	1.8	1
83	Adhesive Dentistry in Prosthodontics: The key to open minimal intervention and full-digital treatment. Journal of Prosthodontic Research, 2022, 66, vi-vii.	2.8	1
84	Adsorption of polyphosphoric acid to titanium surface and its effect on hBMSC attachment. International Congress Series, 2005, 1284, 332-333.	0.2	0
85	Bonding in Dentistry. , 2014, , 1-56.		0
86	OCT Application to the Field of Posthodontics. Nippon Laser Igakkaishi, 2015, 35, 416-423.	0.0	0
87	Response to the Letter to the Editor: â€œPredicting the Debonding of CAD/CAM Composite Resin Crowns with Aiâ€• Journal of Dental Research, 2020, 99, 234-234.	5.2	0
88	The torsion test offers a new approach for evaluating CAD/CAM material bonding. Journal of Adhesion Science and Technology, 0, , 1-18.	2.6	0
89	CAD/CAM indirect resin crowns: Metal-free treatment originating from Japan. Annals of Japan Prosthodontic Society, 2022, 14, 115-123.	0.0	0