

Masatoshi Nakajima

List of Publications by Year in descending order

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109
papers

3,662
citations

126858

33
h-index

155592

55
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110
all docs

110
docs citations

110
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive effects of touch-activated polymerization and extended irradiation time on bonding of light-activated adhesives to root canal dentin. <i>Journal of Prosthetic Dentistry</i> , 2022, 127, 750-758.	1.1	6
2	Replacing mandibular central incisors with a direct resin-bonded fixed dental prosthesis by using a bilayering composite resin injection technique with a digital workflow: A dental technique. <i>Journal of Prosthetic Dentistry</i> , 2021, 126, 150-154.	1.1	8
3	Bond strengths of three-step etch-and-rinse adhesives to silane contaminated dentin. <i>Dental Materials Journal</i> , 2021, 40, 385-392.	0.8	2
4	Long-term evaluation of warm-air treatment effect on adaptation of silane-containing universal adhesives to lithium disilicate ceramic. <i>Dental Materials Journal</i> , 2021, 40, 379-384.	0.8	2
5	The effect of curing mode of dual-cure resin cements on bonding performance of universal adhesives to enamel, dentin and various restorative materials. <i>Dental Materials Journal</i> , 2021, 40, 446-454.	0.8	23
6	Effect of water storage and thermocycling on light transmission properties, translucency and refractive index of nanofilled flowable composites. <i>Dental Materials Journal</i> , 2021, 40, 599-605.	0.8	9
7	Color adjustment potential of single-shade resin composite to various-shade human teeth: Effect of structural color phenomenon. <i>Dental Materials Journal</i> , 2021, 40, 1033-1040.	0.8	38
8	Degree of conversion and dentin bond strength of light-cured multi-mode adhesives pretreated or mixed with sulfinate agents. <i>Dental Materials Journal</i> , 2021, 40, 877-884.	0.8	5
9	Influence of Silane Pretreatment and Warm Air-Drying on Long-Term Composite Adaptation to Lithium Disilicate Ceramic. <i>Crystals</i> , 2021, 11, 86.	1.0	1
10	Sodium p-Toluenesulfinate Enhances the Bonding Durability of Universal Adhesives on Deproteinized Eroded Dentin. <i>Polymers</i> , 2021, 13, 3901.	2.0	5
11	Effect of Surface Moisture on Bur-cut Dentin on Bonding of HEMA-free and HEMA-containing Universal Adhesives with or without Methacrylamide Monomer. <i>Journal of Adhesive Dentistry</i> , 2021, 23, 327-334.	0.3	2
12	Eight-year Microtensile Bond Strength to Dentin and Interfacial Nanomechanical Properties of a One-step Adhesive. <i>Journal of Adhesive Dentistry</i> , 2021, 23, 461-467.	0.3	1
13	The combined effect of light-illuminating direction and enamel rod orientation on color adjustment at the enamel borders of composite restorations. <i>Clinical Oral Investigations</i> , 2020, 24, 2305-2313.	1.4	13
14	Effect of smear layer deproteinization with enzyme solutions on bonding efficacy of one-step self-etch adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2020, 102, 102672.	1.4	3
15	Post-orthodontic recontouring of anterior teeth using composite injection technique with a digital workflow. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020, 32, 638-644.	1.8	13
16	Effect of smear layer deproteinization with chemo-mechanical caries removal agents on sealing performances of self-etch adhesives. <i>Journal of Dentistry</i> , 2020, 94, 103300.	1.7	13
17	Effect of smear layer deproteinization with HOCl solution on the dentin bonding of conventional and resin-modified glass-ionomer cements. <i>European Journal of Oral Sciences</i> , 2020, 128, 255-262.	0.7	5
18	Degree of Conversion Contributes to Dentin Bonding Durability of Contemporary Universal Adhesives. <i>Operative Dentistry</i> , 2020, 45, 556-566.	0.6	28

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19	Effect of antioxidant/reducing agents on the initial and long-term bonding performance of a self-etch adhesive to caries-affected dentin with and without smear layer-deproteinizing. <i>International Journal of Adhesion and Adhesives</i> , 2020, 102, 102648.	1.4	8
20	Air-blowing strategies for improving the microtensile bond strength of one-step self-etch adhesives to root canal dentin. <i>Dental Materials Journal</i> , 2020, 39, 892-899.	0.8	7
21	Incorporation of a hydrophilic amide monomer into a one-step self-etch adhesive to increase dentin bond strength: Effect of application time. <i>Dental Materials Journal</i> , 2019, 38, 892-899.	0.8	28
22	Subsequent application of bonding agents to a one-step self-etch adhesive – Its effect with/without previous light-curing. <i>Dental Materials</i> , 2019, 35, e299-e309.	1.6	12
23	Effect of light-curing time on light-cure/post-cure volumetric polymerization shrinkage and regional ultimate tensile strength at different depths of bulk-fill resin composites. <i>Dental Materials Journal</i> , 2019, 38, 621-629.	0.8	9
24	Ultra-high-speed videography of resin–dentin interface failure dynamics under tensile load. <i>Dental Materials</i> , 2019, 35, e153-e161.	1.6	5
25	The repair bond strength to resin matrix in cured resin composites after water aging. <i>Dental Materials Journal</i> , 2019, 38, 233-240.	0.8	17
26	Effect of the Dentin Chelating Agents Phytic Acid and EDTA on Degree of Conversion, Microhardness, and Bond Strength of Chemical-curing Self-adhesive Cements. <i>Journal of Adhesive Dentistry</i> , 2019, 21, 299-306.	0.3	4
27	The effect of warm air-blowing on the microtensile bond strength of one-step self-etch adhesives to root canal dentin. <i>Journal of Prosthodontic Research</i> , 2018, 62, 330-336.	1.1	15
28	The strategies used for curing universal adhesives affect the micro-bond strength of resin cement used to lute indirect resin composites to human dentin. <i>Dental Materials Journal</i> , 2018, 37, 506-514.	0.8	12
29	Smear layer-deproteinizing improves bonding of one-step self-etch adhesives to dentin. <i>Dental Materials</i> , 2018, 34, 434-441.	1.6	24
30	Stress distribution in tooth resin core build-ups with different post-end positions in alveolar bone level under two kinds of load directions. <i>Dental Materials Journal</i> , 2018, 37, 474-483.	0.8	1
31	Smear Layer-Deproteinization: Improving the Adhesion of Self-Etch Adhesive Systems to Caries-Affected Dentin. <i>Current Oral Health Reports</i> , 2018, 5, 169-177.	0.5	12
32	Influence of enamel prism orientations on color shifting at the border of resin composite restorations. <i>Dental Materials Journal</i> , 2018, 37, 341-349.	0.8	9
33	Effect of Water Aging of Adherend Composite on Repair Bond Strength of Nanofilled Composites. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 425-433.	0.3	14
34	Effect of Polymerization Accelerator on Bond Strength to Eugenol-Contaminated Dentin. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 541-547.	0.3	5
35	The effect of five kinds of surface treatment agents on the bond strength to various ceramics with thermocycle aging. <i>Dental Materials Journal</i> , 2017, 36, 755-761.	0.8	26
36	The influence of elastic moduli of core materials on shear stress distributions at the adhesive interface in resin built-up teeth. <i>Dental Materials Journal</i> , 2017, 36, 95-102.	0.8	18

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37	Dentin Bonding Durability of Two-step Self-etch Adhesives with Improved of Degree of Conversion of Adhesive Resins. <i>Journal of Adhesive Dentistry</i> , 2017, 19, 31-37.	0.3	32
38	Bonding Durability of a Self-etch Adhesive to Normal Versus Smear-layer Deproteinized Dentin: Effect of a Reducing Agent and Plant-extract Antioxidant. <i>Journal of Adhesive Dentistry</i> , 2017, 19, 253-258.	0.3	11
39	Effect of enamel margin configuration on color change of resin composite restoration. <i>Dental Materials Journal</i> , 2016, 35, 675-683.	0.8	14
40	The role of enamel thickness and refractive index on human tooth colour. <i>Journal of Dentistry</i> , 2016, 51, 36-44.	1.7	24
41	The effects of ethanol on the size-exclusion characteristics of type I dentin collagen to adhesive resin monomers. <i>Acta Biomaterialia</i> , 2016, 33, 235-241.	4.1	14
42	Effect of Scrubbing Technique with Mild Self-etching Adhesives on Dentin Bond Strengths and Nanoleakage Expression. <i>Journal of Adhesive Dentistry</i> , 2016, 18, 197-204.	0.3	22
43	Initial and long-term bond strengths of one-step self-etch adhesives with silane coupling agent to enamel-dentin-composite in combined situation. <i>Dental Materials Journal</i> , 2015, 34, 663-670.	0.8	10
44	Stress distribution in root filled teeth restored with various post and core techniques: effect of post length and crown height. <i>International Endodontic Journal</i> , 2015, 48, 1023-1032.	2.3	23
45	The effect of tooth age on colour adjustment potential of resin composite restorations. <i>Journal of Dentistry</i> , 2015, 43, 253-260.	1.7	20
46	Noninvasive cross-sectional imaging of proximal caries using swept-source optical coherence tomography (SS-OCT) <i>in vivo</i> . <i>Journal of Biophotonics</i> , 2014, 7, 506-513.	1.1	77
47	Effect of smear layer deproteinizing on resin-dentine interface with self-etch adhesive. <i>Journal of Dentistry</i> , 2014, 42, 298-304.	1.7	32
48	Effect of viscosity of dual-cure luting resin composite core materials on bond strength to fiber posts with various surface treatments. <i>Journal of Dental Sciences</i> , 2014, 9, 320-327.	1.2	4
49	The importance of size-exclusion characteristics of type I collagen in bonding to dentin matrices. <i>Acta Biomaterialia</i> , 2013, 9, 9522-9528.	4.1	58
50	Combined effect of smear layer characteristics and hydrostatic pulpal pressure on dentine bond strength of HEMA-free and HEMA-containing adhesives. <i>Journal of Dentistry</i> , 2013, 41, 861-871.	1.7	24
51	Polymerization behavior within adhesive layer of one- and two-step self-etch adhesives: A micro-Raman spectroscopic study. <i>Dental Materials Journal</i> , 2013, 32, 992-998.	0.8	11
52	Effect of solvent evaporation strategies on regional bond strength of one-step self-etch adhesives to root canal dentine. <i>International Endodontic Journal</i> , 2013, 46, 1023-1031.	2.3	10
53	Light transmission characteristics of dentine and resin composites with different thickness. <i>Journal of Dentistry</i> , 2012, 40, e77-e82.	1.7	50
54	Effect of waiting interval on chemical activation mode of dual-cure one-step self-etching adhesives on bonding to root canal dentin. <i>Journal of Dentistry</i> , 2012, 40, 1109-1118.	1.7	13

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55	Color shifting at the border of resin composite restorations in human tooth cavity. <i>Dental Materials</i> , 2012, 28, 811-817.	1.6	28
56	Effect of air-drying dentin surfaces on dentin bond strength of a solvent-free one-step adhesive. <i>Dental Materials Journal</i> , 2012, 31, 558-563.	0.8	8
57	Effect of smear layer treatment on dentin bond of self-adhesive cements. <i>Dental Materials Journal</i> , 2012, 31, 980-987.	0.8	32
58	Influences of compositeâ€“composite join on light transmission characteristics of layered resin composites. <i>Dental Materials</i> , 2012, 28, 204-211.	1.6	22
59	Scrubbing effect of self-etching adhesives on bond strength to NaOCl-treated dentin. <i>Journal of Adhesive Dentistry</i> , 2012, 14, 121-7.	0.3	12
60	Bonding to caries-affected dentin. <i>Japanese Dental Science Review</i> , 2011, 47, 102-114.	2.0	67
61	Effects of C-factor and resin volume on the bonding to root canal with and without fibre post insertion. <i>Journal of Dentistry</i> , 2011, 39, 422-429.	1.7	47
62	Long-term evaluation of water sorption and ultimate tensile strength of HEMA-containing/-free one-step self-etch adhesives. <i>Journal of Dentistry</i> , 2011, 39, 506-512.	1.7	100
63	Effect of smear layer characteristics on dentin bonding durability of HEMA-free and HEMA-containing one-step self-etch adhesives. <i>Dental Materials Journal</i> , 2011, 30, 501-510.	0.8	39
64	Influence of etching ability of one-step self-etch adhesives on bonding to sound and non-carious cervical sclerotic dentin. <i>Dental Materials Journal</i> , 2011, 30, 941-947.	0.8	18
65	The influence of light intensities irradiated directly and indirectly through resin composite to self-etch adhesives on dentin bonding. <i>Dental Materials Journal</i> , 2011, 30, 315-322.	0.8	21
66	Durability of Resin Cement Bond to Aluminium Oxide and Zirconia Ceramics after Air Abrasion and Laser Treatment. <i>Journal of Prosthodontics</i> , 2011, 20, 84-92.	1.7	84
67	Effect of pretreatment with mildly acidic hypochlorous acid on adhesion to caries-affected dentin using a self-etch adhesive. <i>European Journal of Oral Sciences</i> , 2011, 119, 86-92.	0.7	38
68	Effect of reducing agents on bond strength to NaOCl-treated dentin. <i>Dental Materials</i> , 2011, 27, 229-234.	1.6	57
69	Dentin bond durability and water sorption/solubility of one-step self-etch adhesives. <i>Dental Materials Journal</i> , 2010, 29, 623-630.	0.8	35
70	Relationship between bond strength tests and other in vitro phenomena. <i>Dental Materials</i> , 2010, 26, e94-e99.	1.6	37
71	Relationship between mechanical properties of one-step self-etch adhesives and water sorption. <i>Dental Materials</i> , 2010, 26, 360-367.	1.6	82
72	Translucency, opalescence and light transmission characteristics of light-cured resin composites. <i>Dental Materials</i> , 2010, 26, 1090-1097.	1.6	71

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73	Effect of dentin pretreatment with mild acidic HOCl solution on microtensile bond strength and surface pH. <i>Journal of Dentistry</i> , 2010, 38, 261-268.	1.7	37
74	Effect of composite post placement on bonding to root canal dentin using 1-step self-etch dual-cure adhesive with chemical activation mode. <i>Dental Materials Journal</i> , 2010, 29, 642-648.	0.8	12
75	Effects of photocuring strategy on bonding of dual-cure one-step self-etch adhesive to root canal dentin. <i>Dental Materials Journal</i> , 2009, 28, 133-141.	0.8	17
76	Improving the effect of NaOCl pretreatment on bonding to caries-affected dentin using self-etch adhesives. <i>Journal of Dentistry</i> , 2009, 37, 769-775.	1.7	63
77	Effect of adhesion to cavity walls on the mechanical properties of resin composites. <i>Dental Materials</i> , 2008, 24, 83-89.	1.6	22
78	Bond strength and ultimate tensile strength of resin composite filled into dentine cavity; effect of bulk and incremental filling technique. <i>Journal of Dentistry</i> , 2008, 36, 228-234.	1.7	32
79	Bonding durability of HEMA-free and HEMA-containing one-step adhesives to dentine surrounded by bonded enamel. <i>Journal of Dentistry</i> , 2008, 36, 80-86.	1.7	51
80	Regional Bond Strengths and Failure Analysis of Fiber Posts Bonded to Root Canal Dentin. <i>Operative Dentistry</i> , 2008, 33, 636-643.	0.6	19
81	Effect of simulated pulpal pressure on all-in-one adhesive bond strengths to dentine. <i>Journal of Dentistry</i> , 2007, 35, 207-213.	1.7	24
82	Effect of Light Irradiation Time on the Mechanical Properties of Two Flowable Composites with Different Initiation Systems in Bonded and Unbonded Cavities. <i>Dental Materials Journal</i> , 2007, 26, 687-693.	0.8	9
83	Mechanical properties and bond strength of dual-cure resin composites to root canal dentin. <i>Dental Materials</i> , 2007, 23, 226-234.	1.6	63
84	Microtensile bond strength of a filled vs unfilled adhesive to dentin using self-etch and total-etch technique. <i>Journal of Dentistry</i> , 2006, 34, 283-291.	1.7	39
85	Effect of prolonged photo-irradiation time of three self-etch systems on the bonding to root canal dentine. <i>Journal of Dentistry</i> , 2006, 34, 389-397.	1.7	32
86	Retrospective Study of Five-year Clinical Performance of Direct Composite Restorations Using a Self-etching Primer Adhesive System. <i>Dental Materials Journal</i> , 2006, 25, 611-615.	0.8	8
87	Hardness and Young's Modulus of Transparent Dentin Associated with Aging and Carious Disease. <i>Dental Materials Journal</i> , 2005, 24, 648-653.	0.8	22
88	Adhesion to root canal dentine using one and two-step adhesives with dual-cure composite core materials. <i>Journal of Oral Rehabilitation</i> , 2005, 32, 97-104.	1.3	58
89	Elemental distributions and microtensile bond strength of the adhesive interface to normal and caries-affected dentin. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 72B, 268-275.	1.6	53
90	Effect of acidic pretreatment combined with a silane coupling agent on bonding durability to silicon oxide ceramic. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 73B, 97-103.	1.6	13

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91	Regional Bond Strength of Four Self-etching Primer/Adhesive Systems to Root Canal Dentin. Dental Materials Journal, 2005, 24, 261-267.	0.8	23
92	Microtensile Bond Strength of Dual-cure Resin Cement to Root Canal Dentin with Different Curing Strategies. Dental Materials Journal, 2004, 23, 550-556.	0.8	21
93	Effects of additional and extended acid etching on bonding to caries-affected dentine. European Journal of Oral Sciences, 2004, 112, 458-464.	0.7	52
94	Microtensile bond strength of a dual-cure resin core material to glass and quartz fibre posts. Journal of Dentistry, 2004, 32, 443-450.	1.7	150
95	Relationship between ceramic primer and ceramic surface pH on the bonding of dual-cure resin cement to ceramic. Dental Materials, 2003, 19, 779-789.	1.6	21
96	Clinical evaluation of tooth sensitivity during cavity preparation with Er:YAG laser. International Congress Series, 2003, 1248, 223-225.	0.2	0
97	Effect of Depth and Tubule Direction on Ultimate Tensile Strength of Human Coronal Dentin.. Dental Materials Journal, 2003, 22, 39-47.	0.8	52
98	Bonding of Self-etch and Total-etch Adhesives to Carious Dentin. Journal of Dental Research, 2002, 81, 556-560.	2.5	234
99	Dimensional changes and ultimate tensile strengths of wet decalcified dentin applied with one-bottle adhesives. Dental Materials, 2002, 18, 603-608.	1.6	33
100	Solvent-induced dimensional changes in EDTA-demineralized dentin matrix. Journal of Biomedical Materials Research Part B, 2001, 56, 273-281.	3.0	94
101	Effect of region and dentin perfusion on bond strengths of resin-modified glass ionomer cements. Journal of Dentistry, 2000, 28, 347-354.	1.7	32
102	Monkey pulpal response and microtensile bond strength beneath a one-application resin bonding system in vivo. Journal of Dentistry, 2000, 28, 193-198.	1.7	21
103	Effect of Moist vs. Dry Bonding to Normal vs. Caries-affected Dentin with Scotchbond Multi-Purpose Plus. Journal of Dental Research, 1999, 78, 1298-1303.	2.5	76
104	Effect of intrinsic wetness and regional difference on dentin bond strength. Dental Materials, 1999, 15, 46-53.	1.6	143
105	Tensile Bond Strength and SEM Evaluation of Er:YAG Laser Irradiated Dentin using Dentin Adhesive.. Dental Materials Journal, 1998, 17, 125-138.	0.8	72
106	Shear Bond Strengths of a Single-Step Bonding System to Enamel and Dentin. Dental Materials Journal, 1997, 16, 40-47,110.	0.8	33
107	Tensile Bond Strength and SEM Evaluation of Caries-affected Dentin Using Dentin Adhesives. Journal of Dental Research, 1995, 74, 1679-1688.	2.5	267
108	The influence of age and depth of dentin on bonding. Dental Materials, 1994, 10, 241-246.	1.6	110

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109	Influence of dentine primers on the flow of bovine serum through dentine. Archives of Oral Biology, 1994, 39, S146.	0.8	3