Masatoshi Nakajima

List of Publications by Year
in descending order

109	3,662	126858	155592
papers	citations	33 h-index	55 g-index

110	110	110	2119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tensile Bond Strength and SEM Evaluation of Caries-affected Dentin Using Dentin Adhesives. Journal of Dental Research, 1995, 74, 1679-1688.	2.5	267
2	Bonding of Self-etch and Total-etch Adhesives to Carious Dentin. Journal of Dental Research, 2002, 81, 556-560.	2.5	234
3	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
4	Effect of intrinsic wetness and regional difference on dentin bond strength. Dental Materials, 1999, 15, 46-53.	1.6	143
5	The influence of age and depth of dentin on bonding. Dental Materials, 1994, 10, 241-246.	1.6	110
6	Long-term evaluation of water sorption and ultimate tensile strength of HEMA-containing/-free one-step self-etch adhesives. Journal of Dentistry, 2011, 39, 506-512.	1.7	100
7	Solvent-induced dimensional changes in EDTA-demineralized dentin matrix. Journal of Biomedical Materials Research Part B, 2001, 56, 273-281.	3.0	94
8	Durability of Resin Cement Bond to Aluminium Oxide and Zirconia Ceramics after Air Abrasion and Laser Treatment. Journal of Prosthodontics, 2011, 20, 84-92.	1.7	84
9	Relationship between mechanical properties of one-step self-etch adhesives and water sorption. Dental Materials, 2010, 26, 360-367.	1.6	82
10	Noninvasive crossâ€sectional imaging of proximal caries using sweptâ€source optical coherence tomography (SSâ€OCT) in vivo. Journal of Biophotonics, 2014, 7, 506-513.	1.1	77
11	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
12	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
13	Translucency, opalescence and light transmission characteristics of light-cured resin composites. Dental Materials, 2010, 26, 1090-1097.	1.6	71
14	Bonding to caries-affected dentin. Japanese Dental Science Review, 2011, 47, 102-114.	2.0	67
15	Mechanical properties and bond strength of dual-cure resin composites to root canal dentin. Dental Materials, 2007, 23, 226-234.	1.6	63
16	Improving the effect of NaOCl pretreatment on bonding to caries-affected dentin using self-etch adhesives. Journal of Dentistry, 2009, 37, 769-775.	1.7	63
17	Adhesion to root canal dentine using one and two-step adhesives with dual-cure composite core materials. Journal of Oral Rehabilitation, 2005, 32, 97-104.	1.3	58
18	The importance of size-exclusion characteristics of type I collagen in bonding to dentin matrices. Acta Biomaterialia, 2013, 9, 9522-9528.	4.1	58

#	Article	IF	Citations
19	Effect of reducing agents on bond strength to NaOCl-treated dentin. Dental Materials, 2011, 27, 229-234.	1.6	57
20	Elemental distributions and microtensile bond strength of the adhesive interface to normal and caries-affected dentin. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 72B, 268-275.	1.6	53
21	Effect of Depth and Tubule Direction on Ultimate Tensile Strength of Human Coronal Dentin.. Dental Materials Journal, 2003, 22, 39-47.	0.8	52
22	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
23	Bonding durability of HEMA-free and HEMA-containing one-step adhesives to dentine surrounded by bonded enamel. Journal of Dentistry, 2008, 36, 80-86.	1.7	51
24	Light transmission characteristics of dentine and resin composites with different thickness. Journal of Dentistry, 2012, 40, e77-e82.	1.7	50
25	Effects of C-factor and resin volume on the bonding to root canal with and without fibre post insertion. Journal of Dentistry, 2011, 39, 422-429.	1.7	47
26	Microtensile bond strength of a filled vs unfilled adhesive to dentin using self-etch and total-etch technique. Journal of Dentistry, 2006, 34, 283-291.	1.7	39
27	Effect of smear layer characteristics on dentin bonding durability of HEMA-free and HEMA-containing one-step self-etch adhesives. Dental Materials Journal, 2011, 30, 501-510.	0.8	39
28	Effect of pretreatment with mildly acidic hypochlorous acid on adhesion to cariesâ€affected dentin using a selfâ€etch adhesive. European Journal of Oral Sciences, 2011, 119, 86-92.	0.7	38
29	Color adjustment potential of single-shade resin composite to various-shade human teeth: Effect of structural color phenomenon. Dental Materials Journal, 2021, 40, 1033-1040.	0.8	38
30	Relationship between bond strength tests and other in vitro phenomena. Dental Materials, 2010, 26, e94-e99.	1.6	37
31	Effect of dentin pretreatment with mild acidic HOCl solution on microtensile bond strength and surface pH. Journal of Dentistry, 2010, 38, 261-268.	1.7	37
32	Dentin bond durability and water sorption/solubility of one-step self-etch adhesives. Dental Materials Journal, 2010, 29, 623-630.	0.8	35
33	Shear Bond Strengths of a Single-Step Bonding System to Enamel and Dentin. Dental Materials Journal, 1997, 16, 40-47,110.	0.8	33
34	Dimensional changes and ultimate tensile strengths of wet decalcified dentin applied with one-bottle adhesives. Dental Materials, 2002, 18, 603-608.	1.6	33
35	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
36	Effect of prolonged photo-irradiation time of three self-etch systems on the bonding to root canal dentine. Journal of Dentistry, 2006, 34, 389-397.	1.7	32

#	Article	IF	Citations
37	Bond strength and ultimate tensile strength of resin composite filled into dentine cavity; effect of bulk and incremental filling technique. Journal of Dentistry, 2008, 36, 228-234.	1.7	32
38	Effect of smear layer treatment on dentin bond of self-adhesive cements. Dental Materials Journal, 2012, 31, 980-987.	0.8	32
39	Effect of smear layer deproteinizing on resinâ€“dentine interface with self-etch adhesive. Journal of Dentistry, 2014, 42, 298-304.	1.7	32
40	Dentin Bonding Durability of Two-step Self-etch Adhesives with Improved of Degree of Conversion of Adhesive Resins. Journal of Adhesive Dentistry, 2017, 19, 31-37.	0.3	32
41	Color shifting at the border of resin composite restorations in human tooth cavity. Dental Materials, 2012, 28, 811-817.	1.6	28
42	Incorporation of a hydrophilic amide monomer into a one-step self-etch adhesive to increase dentin bond strength: Effect of application time. Dental Materials Journal, 2019, 38, 892-899.	0.8	28
43	Degree of Conversion Contributes to Dentin Bonding Durability of Contemporary Universal Adhesives. Operative Dentistry, 2020, 45, 556-566.	0.6	28
44	The effect of five kinds of surface treatment agents on the bond strength to various ceramics with thermocycle aging. Dental Materials Journal, 2017, 36, 755-761.	0.8	26
45	Effect of simulated pulpal pressure on all-in-one adhesive bond strengths to dentine. Journal of Dentistry, 2007, 35, 207-213.	1.7	24
46	Combined effect of smear layer characteristics and hydrostatic pulpal pressure on dentine bond strength of HEMA-free and HEMA-containing adhesives. Journal of Dentistry, 2013, 41, 861-871.	1.7	24
47	The role of enamel thickness and refractive index on human tooth colour. Journal of Dentistry, 2016, 51, 36-44.	1.7	24
48	Smear layer-deproteinizing improves bonding of one-step self-etch adhesives to dentin. Dental Materials, 2018, 34, 434-441.	1.6	24
49	Regional Bond Strength of Four Self-etching Primer/Adhesive Systems to Root Canal Dentin. Dental Materials Journal, 2005, 24, 261-267.	0.8	23
50	Stress distribution in root filled teeth restored with various post and core techniques: effect of post length and crown height. International Endodontic Journal, 2015, 48, 1023-1032.	2.3	23
51	The effect of curing mode of dual-cure resin cements on bonding performance of universal adhesives to enamel, dentin and various restorative materials. Dental Materials Journal, 2021, 40, 446-454.	0.8	23
52	Hardness and Young's Modulus of Transparent Dentin Associated with Aging and Carious Disease. Dental Materials Journal, 2005, 24, 648-653.	0.8	22
53	Effect of adhesion to cavity walls on the mechanical properties of resin composites. Dental Materials, 2008, 24, 83-89.	1.6	22
54	Influences of compositeâ€“composite join on light transmission characteristics of layered resin composites. Dental Materials, 2012, 28, 204-211.	1.6	22

#	Article	IF	Citations
55	Effect of Scrubbing Technique with Mild Self-etching Adhesives on Dentin Bond Strengths and Nanoleakage Expression. Journal of Adhesive Dentistry, 2016, 18, 197-204.	0.3	22
56	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
57	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
58	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
59	The influence of light intensities irradiated directly and indirectly through resin composite to self-etch adhesives on dentin bonding. Dental Materials Journal, 2011, 30, 315-322.	0.8	21
60	The effect of tooth age on colour adjustment potential of resin composite restorations. Journal of Dentistry, 2015, 43, 253-260.	1.7	20
61	Regional Bond Strengths and Failure Analysis of Fiber Posts Bonded to Root Canal Dentin. Operative Dentistry, 2008, 33, 636-643.	0.6	19
62	Influence of etching ability of one-step self-etch adhesives on bonding to sound and non-carious cervical sclerotic dentin. Dental Materials Journal, 2011, 30, 941-947.	0.8	18
63	The influence of elastic moduli of core materials on shear stress distributions at the adhesive interface in resin built-up teeth. Dental Materials Journal, 2017, 36, 95-102.	0.8	18
64	Effects of photocuring strategy on bonding of dual-cure one-step self-etch adhesive to root canal dentin. Dental Materials Journal, 2009, 28, 133-141.	0.8	17
65	The repair bond strength to resin matrix in cured resin composites after water aging. Dental Materials Journal, 2019, 38, 233-240.	0.8	17
66	The effect of warm air-blowing on the microtensile bond strength of one-step self-etch adhesives to root canal dentin. Journal of Prosthodontic Research, 2018, 62, 330-336.	1.1	15
67	Effect of enamel margin configuration on color change of resin composite restoration. Dental Materials Journal, 2016, 35, 675-683.	0.8	14
68	The effects of ethanol on the size-exclusion characteristics of type I dentin collagen to adhesive resin monomers. Acta Biomaterialia, 2016, 33, 235-241.	4.1	14
69	Effect of Water Aging of Adherend Composite on Repair Bond Strength of Nanofilled Composites. Journal of Adhesive Dentistry, 2018, 20, 425-433.	0.3	14
70	Effect of acidic pretreatment combined with a silane coupling agent on bonding durability to silicon oxide ceramic. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 73B, 97-103.	1.6	13
71	Effect of waiting interval on chemical activation mode of dual-cure one-step self-etching adhesives on bonding to root canal dentin. Journal of Dentistry, 2012, 40, 1109-1118.	1.7	13
72	The combined effect of light-illuminating direction and enamel rod orientation on color adjustment at the enamel borders of composite restorations. Clinical Oral Investigations, 2020, 24, 2305-2313.	1.4	13

#	Article	IF	Citations
73	Postâ€orthodontic recontouring of anterior teeth using composite injection technique with a digital workflow. Journal of Esthetic and Restorative Dentistry, 2020, 32, 638-644.	1.8	13
74	Effect of smear layer deproteinization with chemo-mechanical caries removal agents on sealing performances of self-etch adhesives. Journal of Dentistry, 2020, 94, 103300.	1.7	13
75	The strategies used for curing universal adhesives affect the micro-bond strength of resin cement used to lute indirect resin composites to human dentin. Dental Materials Journal, 2018, 37, 506-514.	0.8	12
76	Smear Layer-Deproteinization: Improving the Adhesion of Self-Etch Adhesive Systems to Caries-Affected Dentin. Current Oral Health Reports, 2018, 5, 169-177.	0.5	12
77	Subsequent application of bonding agents to a one-step self-etch adhesive â€" Its effect with/without previous light-curing. Dental Materials, 2019, 35, e299-e309.	1.6	12
78	Scrubbing effect of self-etching adhesives on bond strength to NaOCl-treated dentin. Journal of Adhesive Dentistry, 2012, 14, 121-7.	0.3	12
79	Effect of composite post placement on bonding to root canal dentin using 1-step self-etch dual-cure adhesive with chemical activation mode. Dental Materials Journal, 2010, 29, 642-648.	0.8	12
80	Polymerization behavior within adhesive layer of one- and two-step self-etch adhesives: A micro-Raman spectroscopic study. Dental Materials Journal, 2013, 32, 992-998.	0.8	11
81	Bonding Durability of a Self-etch Adhesive to Normal Versus Smear-layer Deproteinized Dentin: Effect of a Reducing Agent and Plant-extract Antioxidant. Journal of Adhesive Dentistry, 2017, 19, 253-258.	0.3	11
82	Effect of solvent evaporation strategies on regional bond strength of oneâ€step selfâ€etch adhesives to root canal dentine. International Endodontic Journal, 2013, 46, 1023-1031.	2.3	10
83	Initial and long-term bond strengths of one-step self-etch adhesives with silane coupling agent to enamel-dentin-composite in combined situation. Dental Materials Journal, 2015, 34, 663-670.	0.8	10
84	Effect of Light Irradiation Time on the Mechanical Properties of Two Flowable Composites with Different Initiation Systems in Bonded and Unbonded Cavities. Dental Materials Journal, 2007, 26, 687-693.	0.8	9
85	Influence of enamel prism orientations on color shifting at the border of resin composite restorations. Dental Materials Journal, 2018, 37, 341-349.	0.8	9
86	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. Dental Materials Journal, 2019, 38, 621-629.	0.8	9
87	Effect of water storage and thermocycling on light transmission properties, translucency and refractive index of nanofilled flowable composites. Dental Materials Journal, 2021, 40, 599-605.	0.8	9
88	Retrospective Study of Five-year Clinical Performance of Direct Composite Restorations Using a Self-etching Primer Adhesive System. Dental Materials Journal, 2006, 25, 611-615.	0.8	8
89	Effect of air-drying dentin surfaces on dentin bond strength of a solvent-free one-step adhesive. Dental Materials Journal, 2012, 31, 558-563.	0.8	8
90	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. Journal of Prosthetic Dentistry, 2021, 126, 150-154.	1.1	8

#	Article	IF	Citations
91	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. International Journal of Adhesion and Adhesives, 2020, 102, 102648.	1.4	8
92	Air-blowing strategies for improving the microtensile bond strength of one-step self-etch adhesives to root canal dentin. Dental Materials Journal, 2020, 39, 892-899.	0.8	7
93	Additive effects of touch-activated polymerization and extended irradiation time on bonding of light-activated adhesives to root canal dentin. Journal of Prosthetic Dentistry, 2022, 127, 750-758.	1.1	6
94	Ultra-high-speed videography of resinâ€“dentin interface failure dynamics under tensile load. Dental Materials, 2019, 35, e153-e161.	1.6	5
95	Effect of smear layer deproteinization with HOCl solution on the dentin bonding of conventional and resinâ€modified glassâ€ionomer cements. European Journal of Oral Sciences, 2020, 128, 255-262.	0.7	5
96	Degree of conversion and dentin bond strength of light-cured multi-mode adhesives pretreated or mixed with sulfinate agents. Dental Materials Journal, 2021, 40, 877-884.	0.8	5
97	Sodium p-Toluenesulfinate Enhances the Bonding Durability of Universal Adhesives on Deproteinized Eroded Dentin. Polymers, 2021, 13, 3901.	2.0	5
98	Effect of Polymerization Accelerator on Bond Strength to Eugenol-Contaminated Dentin. Journal of Adhesive Dentistry, 2018, 20, 541-547.	0.3	5
99	Effect of viscosity of dual-cure luting resin composite core materials on bond strength to fiber posts with various surface treatments. Journal of Dental Sciences, 2014, 9, 320-327.	1.2	4
100	Effect of the Dentin Chelating Agents Phytic Acid and EDTA on Degree of Conversion, Microhardness, and Bond Strength of Chemical-curing Self-adhesive Cements. Journal of Adhesive Dentistry, 2019, 21, 299-306.	0.3	4
101	Influence of dentine primers on the flow of bovine serum through dentine. Archives of Oral Biology, 1994, 39, S146.	0.8	3
102	Effect of smear layer deproteinization with enzyme solutions on bonding efficacy of one-step self-etch adhesives. International Journal of Adhesion and Adhesives, 2020, 102, 102672.	1.4	3
103	Bond strengths of three-step etch-and-rinse adhesives to silane contaminated dentin. Dental Materials Journal, 2021, 40, 385-392.	0.8	2
104	Long-term evaluation of warm-air treatment effect on adaptation of silane-containing universal adhesives to lithium disilicate ceramic. Dental Materials Journal, 2021, 40, 379-384.	0.8	2
105	Effect of Surface Moisture on Bur-cut Dentin on Bonding of HEMA-free and HEMA-containing Universal Adhesives with or without Methacrylamide Monomer. Journal of Adhesive Dentistry, 2021, 23, 327-334.	0.3	2
106	Stress distribution in tooth resin core build-ups with different post-end positions in alveolar bone level under two kinds of load directions. Dental Materials Journal, 2018, 37, 474-483.	0.8	1
107	Influence of Silane Pretreatment and Warm Air-Drying on Long-Term Composite Adaptation to Lithium Disilicate Ceramic. Crystals, 2021, 11, 86.	1.0	1
108	Eight-year Microtensile Bond Strength to Dentin and Interfacial Nanomechanical Properties of a One-step Adhesive. Journal of Adhesive Dentistry, 2021, 23, 461-467.	0.3	1

#	Article	IF	Citations
109	Clinical evaluation of tooth sensitivity during cavity preparation with Er:YAG laser. International Congress Series, 2003, 1248, 223-225.	0.2	0