

Akimasa Tsujimoto

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

1,776
citations

279798

23
h-index

361022

35
g-index

102
all docs

102
docs citations

102
times ranked

1237
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of different etching modes on bond strength and fatigue strength to dentin using universal adhesive systems. <i>Dental Materials</i> , 2016, 32, e9-e21.	3.5	97
2	Enamel bonding of single-step self-etch adhesives: Influence of surface energy characteristics. <i>Journal of Dentistry</i> , 2010, 38, 123-130.	4.1	89
3	Wear of resin composites: Current insights into underlying mechanisms, evaluation methods and influential factors. <i>Japanese Dental Science Review</i> , 2018, 54, 76-87.	5.1	79
4	Important compositional characteristics in the clinical use of adhesive systems. <i>Journal of Oral Science</i> , 2014, 56, 1-9.	1.7	66
5	Depth of cure, flexural properties and volumetric shrinkage of low and high viscosity bulk-fill giomers and resin composites. <i>Dental Materials Journal</i> , 2017, 36, 205-213.	1.8	56
6	Influence of surface treatment of contaminated zirconia on surface free energy and resin cement bonding. <i>Dental Materials Journal</i> , 2015, 34, 91-97.	1.8	54
7	Mechanical properties, volumetric shrinkage and depth of cure of short fiber-reinforced resin composite. <i>Dental Materials Journal</i> , 2016, 35, 418-424.	1.8	53
8	Effect of double-layer application on bond quality of adhesive systems. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 77, 501-509.	3.1	46
9	Influence of water storage on fatigue strength of self-etch adhesives. <i>Journal of Dentistry</i> , 2015, 43, 1416-1427.	4.1	45
10	Influence of surface treatment of contaminated lithium disilicate and leucite glass ceramics on surface free energy and bond strength of universal adhesives. <i>Dental Materials Journal</i> , 2015, 34, 855-862.	1.8	44
11	Comparison between universal adhesives and two-step self-etch adhesives in terms of dentin bond fatigue durability in self-etch mode. <i>European Journal of Oral Sciences</i> , 2017, 125, 215-222.	1.5	40
12	Influence of degradation conditions on dentin bonding durability of three universal adhesives. <i>Journal of Dentistry</i> , 2016, 54, 56-61.	4.1	39
13	Interrelation among the handling, mechanical, and wear properties of the newly developed flowable resin composites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 89, 72-80.	3.1	34
14	Simulated cuspal deflection and flexural properties of high viscosity bulk-fill and conventional resin composites. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 87, 111-118.	3.1	32
15	SEM observation of novel characteristic of the dentin bond interfaces of universal adhesives. <i>Dental Materials</i> , 2019, 35, 1791-1804.	3.5	32
16	Etch-and-rinse vs self-etch mode for dentin bonding effectiveness of universal adhesives. <i>Journal of Oral Science</i> , 2019, 61, 549-553.	1.7	31
17	Influence of temporary cement contamination on the surface free energy and dentine bond strength of self-adhesive cements. <i>Journal of Dentistry</i> , 2012, 40, 131-138.	4.1	30
18	Influence of different smear layers on bond durability of self-etch adhesives. <i>Dental Materials</i> , 2018, 34, 246-259.	3.5	30

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19	Influence of duration of phosphoric acid pre-etching on bond durability of universal adhesives and surface free-energy characteristics of enamel. <i>European Journal of Oral Sciences</i> , 2016, 124, 377-386.	1.5	29
20	Influence of surface wetness on bonding effectiveness of universal adhesives in etch-and-rinse mode. <i>European Journal of Oral Sciences</i> , 2019, 127, 162-169.	1.5	28
21	Influence of application method on surface free-energy and bond strength of universal adhesive systems to enamel. <i>European Journal of Oral Sciences</i> , 2017, 125, 385-395.	1.5	27
22	Effect of a functional monomer (<sc>MDP</sc>) on the enamel bond durability of single-step self-etch adhesives. <i>European Journal of Oral Sciences</i> , 2016, 124, 96-102.	1.5	26
23	Relationship between mechanical properties and bond durability of short fiber-reinforced resin composite with universal adhesive. <i>European Journal of Oral Sciences</i> , 2016, 124, 480-489.	1.5	25
24	Bond durability of universal adhesive to bovine enamel using self-etch mode. <i>Clinical Oral Investigations</i> , 2018, 22, 1113-1122.	3.0	25
25	Effect of double-layer application on the early enamel bond strength of universal adhesives. <i>Clinical Oral Investigations</i> , 2021, 25, 907-921.	3.0	23
26	Effect of warm air-drying on dentin bond strength of single-step self-etch adhesives. <i>Dental Materials Journal</i> , 2012, 31, 507-513.	1.8	21
27	Comparison of enamel bond fatigue durability between universal adhesives and two-step self-etch adhesives: Effect of phosphoric acid pre-etching. <i>Dental Materials Journal</i> , 2018, 37, 244-255.	1.8	21
28	Evaluation of structural coloration of experimental flowable resin composites. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021, 33, 284-293.	3.8	21
29	Influence of Application Time and Etching Mode of Universal Adhesives on Enamel Adhesion. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 65-77.	0.5	21
30	Shear fatigue strength of resin composite bonded to dentin at physiological frequency. <i>European Journal of Oral Sciences</i> , 2018, 126, 316-325.	1.5	20
31	Surface free-energy measurements as indicators of the bonding characteristics of single-step self-etching adhesives. <i>European Journal of Oral Sciences</i> , 2010, 118, 525-530.	1.5	19
32	Bonding performance and interfacial characteristics of short fiber-reinforced resin composite in comparison with other composite restoratives. <i>European Journal of Oral Sciences</i> , 2016, 124, 301-308.	1.5	19
33	Influence of Pre-etching Times on Fatigue Strength of Self-etch Adhesives to Enamel. <i>Journal of Adhesive Dentistry</i> , 2016, 18, 501-511.	0.5	19
34	Influence of frequency on shear fatigue strength of resin composite to enamel bonds using self-etch adhesives. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 62, 291-298.	3.1	18
35	Immediate enamel bond strength of universal adhesives to unground and ground surfaces in different etching modes. <i>European Journal of Oral Sciences</i> , 2019, 127, 351-360.	1.5	18
36	Influence of oxygen inhibition on the surface free-energy and dentin bond strength of self-etch adhesives. <i>European Journal of Oral Sciences</i> , 2011, 119, 395-400.	1.5	17

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37	Influence of different pre-etching times on fatigue strength of self-etch adhesives to dentin. <i>European Journal of Oral Sciences</i> , 2016, 124, 210-218.	1.5	17
38	Influence of oxygen inhibition on the surface free energy and enamel bond strength of self-etch adhesives. <i>Dental Materials Journal</i> , 2012, 31, 26-31.	1.8	16
39	Enamel and Dentin Bond Durability of Self-Adhesive Restorative Materials. <i>Journal of Adhesive Dentistry</i> , 2020, 22, 99-105.	0.5	16
40	Influence of 38% silver diamine fluoride application on bond stability to enamel and dentin using universal adhesives in self-etch mode. <i>European Journal of Oral Sciences</i> , 2020, 128, 354-360.	1.5	15
41	Influence of air-powder polishing on bond strength and surface-free energy of universal adhesive systems. <i>Dental Materials Journal</i> , 2017, 36, 762-769.	1.8	14
42	Simulated localized wear of resin luting cements for universal adhesive systems with different curing mode. <i>Journal of Oral Science</i> , 2018, 60, 29-36.	1.7	14
43	Comparison of dentin bond durability of a universal adhesive and two etch-and-rinse adhesive systems. <i>Clinical Oral Investigations</i> , 2020, 24, 2889-2897.	3.0	14
44	Successful development and implementation of a digital dentistry curriculum at a US dental school. <i>Journal of Oral Science</i> , 2021, 63, 358-360.	1.7	14
45	Influence of the Oxygen-inhibited Layer on Bonding Performance of Dental Adhesive Systems: Surface Free Energy Perspectives. <i>Journal of Adhesive Dentistry</i> , 2016, 18, 51-8.	0.5	14
46	Chair-side CAD/CAM fabrication of a single-retainer resin bonded fixed dental prosthesis: a case report. <i>Restorative Dentistry & Endodontics</i> , 2020, 45, e15.	1.5	14
47	Influence of the number of cycles on shear fatigue strength of resin composite bonded to enamel and dentin using dental adhesives in self-etching mode. <i>Dental Materials Journal</i> , 2018, 37, 113-121.	1.8	13
48	Influence of oxygen-inhibited layer on dentin bond strength of chemical-cured resin composite. <i>European Journal of Oral Sciences</i> , 2013, 121, 497-503.	1.5	12
49	Effect of frequency on the fatigue strength of dentin bonds. <i>Journal of Oral Science</i> , 2016, 58, 539-546.	1.7	12
50	Effect of Reduced Phosphoric Acid Pre-etching Times on Enamel Surface Characteristics and Shear Fatigue Strength Using Universal Adhesives. <i>Journal of Adhesive Dentistry</i> , 2017, 19, 267-275.	0.5	12
51	Influence of light intensity on contraction stress of flowable resins. <i>Journal of Oral Science</i> , 2008, 50, 37-43.	1.7	11
52	Influence of surface treatment of glass-ionomers on surface free energy and bond strength of resin composite. <i>Dental Materials Journal</i> , 2013, 32, 702-708.	1.8	11
53	Influence of light intensity on surface-free energy and dentin bond strength of single-step self-etch adhesives. <i>Dental Materials Journal</i> , 2015, 34, 611-617.	1.8	11
54	Intraoral Scanning with Rubber Dam Isolation in Place for Fabrication of a Chairside Computer-assisted Design and Computer-assisted Manufacture Ceramic Restoration. <i>Journal of Contemporary Dental Practice</i> , 2021, 22, 943-946.	0.5	11

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55	Influence of warm air-drying on enamel bond strength and surface free-energy of self-etch adhesives. <i>European Journal of Oral Sciences</i> , 2013, 121, 370-376.	1.5	10
56	Wear resistance of indirect composite resins used for provisional restorations supported by implants. <i>Journal of Advanced Prosthodontics</i> , 2019, 11, 232.	2.6	10
57	Comparison of different etch-and-rinse adhesive systems based on shear fatigue dentin bond strength and morphological features the interface. <i>Dental Materials</i> , 2021, 37, e109-e117.	3.5	9
58	Handling properties and surface characteristics of universal resin composites. <i>Dental Materials</i> , 2021, 37, 1390-1401.	3.5	9
59	Reconsideration of Enamel Etching Protocols for Universal Adhesives: Effect of Etching Method and Etching Time. <i>Journal of Adhesive Dentistry</i> , 2019, 21, 345-354.	0.5	9
60	Comparison of enamel bond fatigue durability of universal adhesives and two-step self-etch adhesives in self-etch mode. <i>American Journal of Dentistry</i> , 2017, 30, 279-284.	0.1	9
61	CAD/CAM lithium disilicate ceramic crowns: Effect of occlusal thickness on fracture resistance and fractographic analysis. <i>Dental Materials Journal</i> , 2022, 41, 705-709.	1.8	8
62	Influence of environmental conditions on orthodontic bracket bonding of self-etching systems. <i>Dental Materials Journal</i> , 2008, 27, 654-659.	1.8	7
63	Laboratory evaluation of dentin tubule occlusion after use of dentifrices containing stannous fluoride. <i>Journal of Oral Science</i> , 2019, 61, 276-283.	1.7	7
64	The role of spatial frequency analysis in correlating atomic force microscopy and optical profilometry with self-etch adhesive enamel bond fatigue durability. <i>Microscopy Research and Technique</i> , 2019, 82, 1419-1429.	2.2	7
65	Bond durability of universal adhesives to intact enamel surface in different etching modes. <i>European Journal of Oral Sciences</i> , 2021, 129, e12768.	1.5	7
66	Comparison of Fracture Resistance for Chairside CAD/CAM Lithium Disilicate Crowns and Overlays with Different Designs. <i>Journal of Prosthodontics</i> , 2022, 31, 341-347.	3.7	7
67	A customized metal guide for controllable modification of anterior teeth contour prior to minimally invasive preparation. <i>Saudi Dental Journal</i> , 2021, 33, 518-523.	1.6	7
68	Surface moisture influence on etch-and-rinse universal adhesive bonding. <i>American Journal of Dentistry</i> , 2019, 32, 33-38.	0.1	7
69	Novel translucent monolithic zirconia fixed restorations in the esthetic zone. <i>Clinical Case Reports (discontinued)</i> , 2022, 10, e05499.	0.5	7
70	In Vitro Wear Resistance of Self-Adhesive Restorative Materials. <i>Journal of Adhesive Dentistry</i> , 2020, 22, 59-64.	0.5	7
71	Effect of oxygen inhibition in two-step self-etch systems on surface free energy and dentin bond strength with a chemically cured resin composite. <i>Journal of Oral Science</i> , 2014, 56, 201-207.	1.7	6
72	Influence of methyl mercaptan on the repair bond strength of composites fabricated using self-etch adhesives. <i>European Journal of Oral Sciences</i> , 2015, 123, 46-52.	1.5	6

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73	Influence of an oxygen-inhibited layer on enamel bonding of dental adhesive systems: surface free-energy perspectives. <i>European Journal of Oral Sciences</i> , 2016, 124, 82-88.	1.5	6
74	Relationship between enamel bond fatigue durability and surface free-energy characteristics with universal adhesives. <i>European Journal of Oral Sciences</i> , 2018, 126, 135-145.	1.5	6
75	Conservative approach for management of fractured maxillary central incisors in young adults. <i>Clinical Case Reports (discontinued)</i> , 2020, 8, 2692-2700.	0.5	6
76	Relationships between Flexural and Bonding Properties, Marginal Adaptation, and Polymerization Shrinkage in Flowable Composite Restorations for Dental Application. <i>Polymers</i> , 2021, 13, 2613.	4.5	6
77	The art of minimal tooth reduction for veneer restorations. <i>European Journal of General Dentistry</i> , 2020, 9, 45-52.	0.4	6
78	Fatigue bond strength of dental adhesive systems: Historical background of test methodology, clinical considerations and future perspectives. <i>Japanese Dental Science Review</i> , 2022, 58, 193-207.	5.1	6
79	Influence of photoirradiation conditions on dentin bond durability and interfacial characteristics of universal adhesives. <i>Dental Materials Journal</i> , 2017, 36, 747-754.	1.8	5
80	Flexural properties and wear behavior of computer-aided design/computer-aided manufacturing resin blocks. <i>Dental Materials Journal</i> , 2021, 40, 979-985.	1.8	5
81	Immediate bond performance of resin composite luting systems to saliva-contaminated enamel and dentin in different curing modes. <i>European Journal of Oral Sciences</i> , 2022, 130, e12854.	1.5	5
82	Comparison of occlusal wear between bulk-fill and conventional flowable resin composites. <i>American Journal of Dentistry</i> , 2020, 33, 74-78.	0.1	5
83	Color stability of fully- and pre-crystallized chair-side CAD-CAM lithium disilicate restorations after required and additional sintering processes. <i>Journal of Advanced Prosthodontics</i> , 2022, 14, 56.	2.6	5
84	Bonding and wear properties of self-adhesive flowable restorative materials. <i>European Journal of Oral Sciences</i> , 2021, 129, e12799.	1.5	4
85	Effect of Adhesive Application Method on the Enamel Bond Durability of a Two-Step Adhesive System Utilizing a Universal Adhesive-Derived Primer. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7675.	2.5	4
86	Influence of a Primer Resembling Universal Adhesive on the Bonding Effectiveness of an Experimental Two-step Self-etch Adhesive. <i>Journal of Adhesive Dentistry</i> , 2020, 22, 635-646.	0.5	4
87	Comparison of full and partial coverage crowns with CAD/CAM leucite reinforced ceramic blocks on fracture resistance and fractographic analysis. <i>Dental Materials Journal</i> , 2022, 41, 295-301.	1.8	4
88	Effect of oxygen inhibition in universal adhesives on dentin bond durability and interfacial characteristics. <i>American Journal of Dentistry</i> , 2017, 30, 71-76.	0.1	4
89	Implant therapy with ultratranslucent monolithic zirconia restorations in the esthetic zone: a case report. <i>General Dentistry</i> , 2020, 68, 46-49.	0.4	4
90	Influence of Different Application Methods on the Bonding Effectiveness of Universal Adhesives to Dentin in the Early Phase. <i>Journal of Adhesive Dentistry</i> , 2021, 23, 447-459.	0.5	4

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91	Effect of mold enclosure and chisel design on fatigue bond strength of dental adhesive systems. <i>European Journal of Oral Sciences</i> , 2022, 130, e12864.	1.5	3
92	Conservative Ultrathin Veneer Restorations with Minimal Reduction: A 5-year Follow-up Report. <i>Journal of Contemporary Dental Practice</i> , 2020, 21, 1293-1297.	0.5	2
93	Intraoral Scanning with Rubber Dam Isolation in Place for Fabrication of a Chairside Computer-assisted Design and Computer-assisted Manufacture Ceramic Restoration. <i>Journal of Contemporary Dental Practice</i> , 2021, 22, 943-946.	0.5	2
94	Students' perception of digital waxing software for dental anatomy education. <i>Journal of Oral Science</i> , 2022, 64, 178-180.	1.7	2
95	Rubber Dam Isolation for Bonding Ceramic Veneers: A Five-Year Post-Insertion Clinical Report. <i>Cureus</i> , 2021, 13, e20748.	0.5	2
96	Ultrasonic measurement of dentin remineralization effects of dentifrices and silver diamine fluoride. <i>Acta Odontologica Scandinavica</i> , 2021, 79, 528-535.	1.6	1
97	Ultrasonic measurement of remaining dentin thickness using a pencil-type transducer. <i>American Journal of Dentistry</i> , 2020, 33, 320-324.	0.1	1
98	Esthetic outcome for implant therapy of a maxillary lateral incisor using prefabricated titanium and customized zirconia abutments: 4-year clinical reports. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, e04983.	0.5	0
99	A Multidisciplinary Approach to Congenitally Missing Central Incisors: A Case Report. <i>Cureus</i> , 2022, 14, e21911.	0.5	0
100	Influence of light irradiation for in-office tooth whitening: A randomized clinical study. <i>American Journal of Dentistry</i> , 2021, 34, 201-204.	0.1	0
101	Effect of ion-releasing filler-containing gel application on dentin remineralization using optical coherent tomography. <i>American Journal of Dentistry</i> , 2021, 34, 286-292.	0.1	0
102	Light Transmission for a Novel Chairside CAD/CAM Lithium Disilicate Ceramic. <i>Journal of Contemporary Dental Practice</i> , 2022, 22, 1365-1369.	0.5	0