

Keiichi Hosaka

List of Publications by Year in descending order

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72
papers

1,283
citations

331538

21
h-index

395590

33
g-index

72
all docs

72
docs citations

72
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	Durability of Resin-Dentin Bonds to Water- <i>vs.</i> Ethanol-saturated Dentin. Journal of Dental Research, 2009, 88, 146-151.	2.5	106
2	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
3	Relationship between mechanical properties of one-step self-etch adhesives and water sorption. Dental Materials, 2010, 26, 360-367.	1.6	82
4	Translucency, opalescence and light transmission characteristics of light-cured resin composites. Dental Materials, 2010, 26, 1090-1097.	1.6	71
5	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
6	Effect of wet vs. dry testing on the mechanical properties of hydrophilic self-etching primer polymers. European Journal of Oral Sciences, 2007, 115, 239-245.	0.7	56
7	Use of Hoy's solubility parameters to predict water sorption/solubility of experimental primers and adhesives. European Journal of Oral Sciences, 2007, 115, 81-86.	0.7	45
8	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
9	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
10	Dentin bond durability and water sorption/solubility of one-step self-etch adhesives. Dental Materials Journal, 2010, 29, 623-630.	0.8	35
11	Effect of smear layer treatment on dentin bond of self-adhesive cements. Dental Materials Journal, 2012, 31, 980-987.	0.8	32
12	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
13	Color shifting at the border of resin composite restorations in human tooth cavity. Dental Materials, 2012, 28, 811-817.	1.6	28
14	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
15	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
16	Effect of simulated pulpal pressure on all-in-one adhesive bond strengths to dentine. Journal of Dentistry, 2007, 35, 207-213.	1.7	24
17	Smear layer-deproteinizing improves bonding of one-step self-etch adhesives to dentin. Dental Materials, 2018, 34, 434-441.	1.6	24
18	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

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19	Influences of compositeâ€™composite join on light transmission characteristics of layered resin composites. <i>Dental Materials</i> , 2012, 28, 204-211.	1.6	22
20	3D imaging of proximal caries in posterior teeth using optical coherence tomography. <i>Scientific Reports</i> , 2020, 10, 15754.	1.6	22
21	Bonding durability of a self-etching primer system to normal and caries-affected dentin under hydrostatic pulpal pressure in vitro. <i>American Journal of Dentistry</i> , 2006, 19, 147-50.	0.1	22
22	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
23	Membrane permeability properties of dental adhesive films. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 88B, 312-320.	1.6	20
24	Influence of hydrostatic pulpal pressure on the microtensile bond strength of all-in-one self-etching adhesives. <i>Journal of Adhesive Dentistry</i> , 2007, 9, 437-42.	0.3	18
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	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
27	Impaired dental implant osseointegration in rat with streptozotocinâ€™induced diabetes. <i>Journal of Periodontal Research</i> , 2022, 57, 412-424.	1.4	15
28	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
29	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
30	Postâ€™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
31	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
32	Effects of chlorhexidine in self-etching adhesive: 24 hours results. <i>Dental Materials Journal</i> , 2013, 32, 420-424.	0.8	12
33	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
34	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
35	Subsequent application of bonding agents to a one-step self-etch adhesive â€™ Its effect with/without previous light-curing. <i>Dental Materials</i> , 2019, 35, e299-e309.	1.6	12
36	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

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37	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
38	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
39	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
40	Influence of water immersion on the mechanical properties of fiber posts. <i>Journal of Prosthodontic Research</i> , 2017, 61, 73-80.	1.1	8
41	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
42	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
43	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
44	Effects of UVB and UVC irradiation on cariogenic bacteria in vitro. <i>Lasers in Medical Science</i> , 2019, 34, 981-989.	1.0	6
45	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
46	Ultra-high-speed videography of resin-dentin interface failure dynamics under tensile load. <i>Dental Materials</i> , 2019, 35, e153-e161.	1.6	5
47	A competing risk model for bond strength data analysis. <i>Dental Materials</i> , 2020, 36, 1508-1515.	1.6	5
48	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
49	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
50	Sodium p-Toluenesulfinate Enhances the Bonding Durability of Universal Adhesives on Deproteinized Eroded Dentin. <i>Polymers</i> , 2021, 13, 3901.	2.0	5
51	Smear layer deproteinization with NaOCl and HOCl: Do application/wash-out times affect dentin bonding of one-step self-etch adhesives?. <i>Dental Materials Journal</i> , 2022, 41, 353-362.	0.8	5
52	Effect of Polymerization Accelerator on Bond Strength to Eugenol-Contaminated Dentin. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 541-547.	0.3	5
53	Regional ultimate tensile strength and water sorption/solubility of bulk-fill and conventional resin composites: The effect of long-term water storage. <i>Dental Materials Journal</i> , 2021, 40, 1394-1402.	0.8	4
54	Hot air stream reduces cytotoxicity of light-cured calcium hydroxide based cements. <i>Journal of Clinical and Experimental Dentistry</i> , 2020, 12, e215-e219.	0.5	4

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55	6-(Methylsulfinyl) Hexyl Isothiocyanate Inhibits IL-6 and CXCL10 Production in TNF- α -Stimulated Human Oral Epithelial Cells. <i>Current Issues in Molecular Biology</i> , 2022, 44, 2915-2922.	1.0	4
56	The effect of flowable composite lining and dentin location on microtensile bond strength and internal fracture formation. <i>Dental Materials Journal</i> , 2019, 38, 798-805.	0.8	3
57	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
58	UV-Mediated Photofunctionalization of Indirect Restorative Materials Enhances Bonding to a Resin-Based Luting Agent. <i>BioMed Research International</i> , 2021, 2021, 1-8.	0.9	3
59	Clinical effectiveness of direct resin composite restorations bonded using one-step or two-step self-etch adhesive systems: A three-year multicenter study. <i>Dental Materials Journal</i> , 2021, 40, 1151-1159.	0.8	3
60	Effect of heat treatment on cytotoxicity and polymerization of universal adhesives. <i>Dental Materials Journal</i> , 2020, 39, 970-975.	0.8	3
61	Can a New HEMA-free Two-step Self-etch Adhesive Improve Dentin Bonding Durability and Marginal Adaptation?. <i>Journal of Adhesive Dentistry</i> , 2021, 23, 505-512.	0.3	3
62	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
63	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
64	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
65	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
66	Influence of central and peripheral dentin on micro-tensile bond strength estimated using a competing risk model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104295.	1.5	1
67	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
68	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
69	Application of Sulfinate Agent in Conjunction with HOCl \rightarrow Smear \rightarrow Layer Deproteinization Improves Dentin Bonding Durability of One-step Self-etch Adhesives.. <i>Journal of Adhesive Dentistry</i> , 2022, 24, 223-232.	0.3	1
70	Addition of metal chlorides to a HOCl conditioner can enhance bond strength to smear layer deproteinized dentin. <i>Dental Materials</i> , 2022, 38, 1235-1247.	1.6	1
71	Effect of Surface Polishing on Nano-Hardness and Elastic Modulus of Different Resin Composites after Immersion in Alcoholic Medium. <i>Journal of Composites Science</i> , 2021, 5, 327.	1.4	0
72	Effect of preheating on cytotoxicity and physicochemical properties of light-cured calcium-based cements. <i>Acta Odontol³gica Latinoamericana: AOL</i> , 2020, 33, 82-89.	0.1	0