

# Hidekazu Takahashi

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

2,047  
citations

331670

21  
h-index

254184

43  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Color Difference Thresholds in Dentistry. Journal of Esthetic and Restorative Dentistry, 2015, 27, S1-9.	3.8	675
2	Translucency of dental ceramics with different thicknesses. Journal of Prosthetic Dentistry, 2013, 110, 14-20.	2.8	211
3	Fatigue strength of Co-Cr-Mo alloy clasps prepared by selective laser melting. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 446-458.	3.1	124
4	Effects of plasma treatment on the shear bond strength between fiber-reinforced composite posts and resin composite for core build-up. Dental Materials Journal, 2009, 28, 686-682.	1.8	67
5	Deflection fatigue of Ti-6Al-7Nb, Co-Cr, and gold alloy cast clasps. Journal of Prosthetic Dentistry, 2005, 93, 183-188.	2.8	57
6	Effects of different sulfuric acid etching concentrations on PEEK surface bonding to resin composite. Dental Materials Journal, 2018, 37, 385-392.	1.8	52
7	Effect of filler type and polishing on the discoloration of composite resin artificial teeth. Dental Materials Journal, 2008, 27, 802-808.	1.8	51
8	Two- and three-body wear of composite resins. Dental Materials, 2012, 28, 1261-1270.	3.5	50
9	Color stability of adhesive resin cements after immersion in coffee. Clinical Oral Investigations, 2015, 19, 309-317.	3.0	45
10	Factors influencing marginal cavity adaptation of nanofiller containing resin composite restorations. Dental Materials, 2010, 26, 1166-1175.	3.5	44
11	&lt;i>In vitro&/i> evaluation of the wear resistance of composite resin blocks for CAD/CAM. Dental Materials Journal, 2015, 34, 495-502.	1.8	42
12	Antifungal, optical, and mechanical properties of polymethylmethacrylate material incorporated with silanized zinc oxide nanoparticles. International Journal of Nanomedicine, 2017, Volume 12, 2353-2360.	6.7	41
13	Effect of adding support structures for overhanging part on fatigue strength in selective laser melting. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 1-9.	3.1	41
14	Influence of a denture strengthener on the deformation of a maxillary complete denture. Dental Materials Journal, 2009, 28, 507-512.	1.8	35
15	Discoloration of various CAD/CAM blocks after immersion in coffee. Restorative Dentistry & Endodontics, 2017, 42, 9.	1.5	34
16	Fluoride release and mechanical properties after 1-year water storage of recent restorative glass ionomer cements. Clinical Oral Investigations, 2014, 18, 1053-1060.	3.0	32
17	Toothbrushing alters the surface roughness and gloss of composite resin CAD/CAM blocks. Dental Materials Journal, 2016, 35, 225-232.	1.8	32
18	Effect of two desensitizing agents on dentin permeability in vitro. Journal of Applied Oral Science, 2017, 25, 34-41.	1.8	29

#	ARTICLE	IF	CITATIONS
19	Pressure transmission and distribution under impact load using artificial denture teeth made of different materials. <i>Journal of Prosthetic Dentistry</i> , 2009, 102, 319-327.	2.8	26
20	Quantitative wear and wear damage analysis of composite resins in vitro. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 29, 508-516.	3.1	26
21	The synthesis, modification, and application of nanosilica in polymethyl methacrylate denture base. <i>Dental Materials Journal</i> , 2018, 37, 582-591.	1.8	23
22	Comparative evaluation of mechanical characteristics of nanofiller containing resin composites. <i>American Journal of Dentistry</i> , 2011, 24, 264-70.	0.1	21
23	Fatigue properties of removable partial denture clasps fabricated by selective laser melting followed by heat treatment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 98, 79-89.	3.1	20
24	Difference among shock-absorbing capabilities of mouthguard materials. <i>Dental Traumatology</i> , 2016, 32, 474-479.	2.0	19
25	A comparison of the fitting accuracy of thermoplastic denture base resins used in non-metal clasp dentures to a conventional heat-cured acrylic resin. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 33-37.	1.6	17
26	Influence of block-out on retentive force of thermoplastic resin clasps: an in vitro experimental and finite element analysis. <i>Journal of Prosthodontic Research</i> , 2019, 63, 303-308.	2.8	16
27	Reduction in maxillary complete denture deformation using framework material made by computer-aided design and manufacturing systems. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103514.	3.1	15
28	Effect of immersion time of restorative glass ionomer cements and immersion duration in calcium chloride solution on surface hardness. <i>Dental Materials</i> , 2014, 30, e377-e383.	3.5	13
29	Effects of Laser Irradiation on Tensile Strength of Bovine Dentin. <i>Photomedicine and Laser Surgery</i> , 2005, 23, 278-283.	2.0	12
30	Evaluation of the shear bond strength of dental porcelain and the low magnetic susceptibility Zr-14Nb alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 53, 131-141.	3.1	12
31	Pressure transmission area and maximum pressure transmission of different thermoplastic resin denture base materials under impact load. <i>Journal of Prosthodontic Research</i> , 2018, 62, 44-49.	2.8	11
32	The influence of temperature on sheet lamination process when fabricating mouthguard on dental thermoforming machine. <i>Journal of Oral Science</i> , 2020, 62, 23-27.	1.7	11
33	Effects of build orientation on adaptation of casting patterns for three-unit partial fixed dental prostheses fabricated by using digital light projection. <i>Journal of Prosthetic Dentistry</i> , 2022, 128, 1047-1054.	2.8	11
34	Effect of components and surface treatments of fiber-reinforced composite posts on bond strength to composite resin. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 26, 23-33.	3.1	10
35	Effect of calcium chloride solution immersion on surface hardness of restorative glass ionomer cements. <i>Dental Materials Journal</i> , 2013, 32, 828-833.	1.8	10
36	Trend of change in retentive force for bar attachments with different materials. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 1545-1552.	2.8	9

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37	Effect of incorporation of surface pre-reacted glass ionomer filler in tissue conditioner on the inhibition of <i>Candida albicans</i> adhesion. <i>Dental Materials Journal</i> , 2018, 37, 453-459.	1.8	9
38	Effect of toothbrushing on the optical properties and surface roughness of extrinsically stained high-translucency zirconia. <i>Clinical Oral Investigations</i> , 2021, , 1.	3.0	9
39	Application of Glass Fiber and Carbon Fiber-Reinforced Thermoplastics in Face Guards. <i>Polymers</i> , 2021, 13, 18.	4.5	8
40	Comparison of the accuracy of different handheld-type scanners in three-dimensional facial image recognition. <i>Journal of Prosthodontic Research</i> , 2023, 67, 222-230.	2.8	8
41	Fabrication of Shock Absorbing Photopolymer Composite Material for 3D Printing Sports Mouthguard. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2020, 33, 615-622.	0.3	7
42	Effect of artificial saliva on permeability of dentin treated with phosphate containing desensitizer measured by digital flow meter. <i>Dental Materials Journal</i> , 2019, 38, 963-969.	1.8	6
43	Effect of fiberglass orientation on flexural properties of fiberglass-reinforced composite resin block for CAD/CAM. <i>Dental Materials Journal</i> , 2019, 38, 738-742.	1.8	6
44	Texture of Composite Resins Exposed to Two- and Three- Body Wear in vitro. <i>Journal of Contemporary Dental Practice</i> , 2014, 15, 232-241.	0.5	6
45	Evaluation of the flexural properties of a new temporary splint material for use in dental trauma splints. <i>Journal of Dental Sciences</i> , 2017, 12, 308-310.	2.5	5
46	Characterization of bioactive glass-coated carbon nanotubes prepared by solgel process. <i>International Journal of Applied Glass Science</i> , 2017, 8, 239-246.	2.0	4
47	Improvement of the Shock Absorption Ability of a Face Guard by Incorporating a Glass-Fiber-Reinforced Thermoplastic and Buffering Space. <i>BioMed Research International</i> , 2018, 2018, 1-8.	1.9	4
48	Effects of number of metal restorations and mandibular position during computed tomography imaging on accuracy of maxillofacial models. <i>Journal of Prosthodontic Research</i> , 2019, 63, 239-244.	2.8	4
49	Air Permeability, Shock Absorption Ability, and Flexural Strength of 3D-Printed Perforated ABS Polymer Sheets with 3D-Knitted Fabric Cushioning for Sports Face Guard Applications. <i>Polymers</i> , 2021, 13, 1879.	4.5	4
50	Flexural and fatigue properties of polyester disk material for milled resin clasps. <i>Dental Materials Journal</i> , 2021, 40, 1359-1364.	1.8	4
51	Effect of thickness on color appearance of multilayer CAD/CAM composite resin blocks. <i>Odontology / the Society of the Nippon Dental University</i> , 2022, 110, 664-672.	1.9	4
52	A Gypsum-Bonded Magnesia Investment is Available for Titanium Casting. <i>Dental Medicine Research</i> , 2009, 29, 21-27.	0.1	3
53	The ball-on-disk cyclic wear of CAD/CAM machinable dental composite and ceramic materials. <i>Journal of Oral Science</i> , 2017, 59, 589-596.	1.7	3
54	Effects of build conditions and angle acuteness on edge reproducibility of casting patterns fabricated using digital light projection. <i>Dental Materials Journal</i> , 2020, 39, 135-140.	1.8	3

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55	Effects of Water Pressure during Polymerization on Mechanical Properties of Autopolymerized Resins. <i>Prosthodontic Research &amp; Practice</i> , 2007, 6, 232-238.	0.2	2
56	Useful design of custom-made mouthguard for athletes undergoing orthodontic treatment with brackets and wires. <i>Journal of Dental Sciences</i> , 2022, 17, 308-315.	2.5	1
57	Stability of Mandibular Overdentures Before and After Attachment Wear. An in vitro Study. <i>Annals of Japan Prosthodontic Society</i> , 2009, 1, 77-84.	0.0	1
58	Fracture resistance of CAD/CAM restorative materials in mismatched removable partial denture rests: An <i>in vitro</i> experimental and finite element analysis. <i>Dental Materials Journal</i> , 2022, , .	1.8	1
59	Effect of retention hole designs in artificial teeth on failure resistance of the connection with thermoplastic resin. <i>Dental Materials Journal</i> , 2022, , .	1.8	1
60	Use of the fiberglass reinforcement method in thermoplastic mouthguard materials to improve flexural properties for enhancement of functionality. <i>Dental Materials Journal</i> , 2021, 40, 1338-1344.	1.8	0
61	PS48 Influence of hybrid filler composition on fatigue strength of dental composite resin. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2008, 2008, _PS48-1_-_PS48-2_.	0.0	0
62	J0401-1-2 Influence of types of filler hybrid on fatigue strength of resin composite : Case of three types of fillers. <i>The Proceedings of the JSME Annual Meeting</i> , 2009, 2009.6, 259-260.	0.0	0
63	510 Improvement of fatigue strength of filler hybrid type resin composite. <i>The Proceedings of Conference of Kansai Branch</i> , 2013, 2013.88, _5-10_.	0.0	0
64	Fatigue and Tensile Strength of Dental Gallium Alloys after Artificial Saliva Immersion.. <i>Dental Materials Journal</i> , 1998, 17, 239-252.	1.8	0
65	Variety and characteristics of intraoral scanners. <i>Annals of Japan Prosthodontic Society</i> , 2021, 13, 299-304.	0.0	0
66	Sulcus depth reproduction with polyvinyl siloxane impression material: effects of hydrophilicity and impression temperature. <i>Quintessence International</i> , 2010, 41, e43-50.	0.4	0