

# Mariko Matsumoto

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

483  
citations

759055

12  
h-index

677027

22  
g-index

29  
all docs

29  
docs citations

29  
times ranked

435  
citing authors

#	ARTICLE	IF	CITATIONS
1	The microtensile bond strength test: Its historical background and application to bond testing. <i>Japanese Dental Science Review</i> , 2020, 56, 24-31.	2.0	75
2	Bonding effectiveness of self-adhesive and conventional-type adhesive resin cements to CAD/CAM resin blocks. Part 1: Effects of sandblasting and silanization. <i>Dental Materials Journal</i> , 2016, 35, 21-28.	0.8	63
3	Dentin-smear remains at self-etch adhesive interface. <i>Dental Materials</i> , 2014, 30, 1147-1153.	1.6	50
4	Effectiveness of current adhesive systems when bonding to CAD/CAM indirect resin materials: A review of 32 publications. <i>Japanese Dental Science Review</i> , 2019, 55, 41-50.	2.0	47
5	Adhesion procedure for CAD/CAM resin crown bonding: Reduction of bond strengths due to artificial saliva contamination. <i>Journal of Prosthodontic Research</i> , 2018, 62, 177-183.	1.1	33
6	Limited interaction of a self-adhesive flowable composite with dentin/enamel characterized by TEM. <i>Dental Materials</i> , 2017, 33, 209-217.	1.6	29
7	Bonding effectiveness of self-adhesive and conventional-type adhesive resin cements to CAD/CAM resin blocks. Part 2: Effect of ultrasonic and acid cleaning. <i>Dental Materials Journal</i> , 2016, 35, 29-36.	0.8	28
8	Mechanical and morphological evaluation of the bondâ€“dentin interface in direct resin core build-up method. <i>Dental Materials</i> , 2013, 29, 287-293.	1.6	17
9	Variable Smear Layer and Adhesive Application: The Pursuit of Clinical Relevance in Bond Strength Testing. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5381.	1.8	17
10	Adhesion procedures for CAD/CAM indirect resin composite block: A new resin primer versus a conventional silanizing agent. <i>Journal of Prosthodontic Research</i> , 2020, 64, 319-325.	1.1	16
11	Four-year clinical evaluation of CAD/CAM indirect resin composite premolar crowns using 3D digital data: Discovering the causes of debonding. <i>Journal of Prosthodontic Research</i> , 2022, 66, 402-408.	1.1	14
12	MDP is effective for removing residual polycarboxylate temporary cement as an adhesion inhibitor. <i>Dental Materials Journal</i> , 2020, 39, 1087-1095.	0.8	13
13	Nondestructive observation of teeth post core space using optical coherence tomography: a pilot study. <i>Journal of Biomedical Optics</i> , 2014, 19, 046004.	1.4	9
14	Gradual dehydration affects the mechanical properties and bonding outcome of adhesives to dentin. <i>Dental Materials Journal</i> , 2019, 38, 361-367.	0.8	9
15	Advanced Statistical Analyses to Reduce Inconsistency of Bond Strength Data. <i>Journal of Dental Research</i> , 2017, 96, 1400-1405.	2.5	7
16	Ultraâ€“morphological characteristics of dentin surfaces after different preparations and treatments. <i>European Journal of Oral Sciences</i> , 2020, 128, 246-254.	0.7	7
17	Status of decontamination methods after using dentin adhesion inhibitors on indirect restorations: An integrative review of 19 publications. <i>Japanese Dental Science Review</i> , 2021, 57, 147-153.	2.0	7
18	Nondestructive observation of teeth post core-space using optical coherence tomography: comparison with microcomputed tomography and live images. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	1.4	6

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19	Combination of a silane coupling agent and resin primer reinforces bonding effectiveness to a CAD/CAM indirect resin composite block. <i>Dental Materials Journal</i> , 2021, 40, 1445-1452.	0.8	6
20	Bonding effectiveness and multi-interfacial characterization of two direct buildup resin core systems bonded to post-space dentin. <i>Clinical Oral Investigations</i> , 2017, 21, 309-317.	1.4	5
21	Effectiveness of pretreatment with phosphoric acid, sodium hypochlorite and sulfinic acid sodium salt on root canal dentin resin bonding. <i>Journal of Prosthodontic Research</i> , 2020, 64, 272-280.	1.1	5
22	Does the bonding effectiveness of a fiber post/resin composite benefit from mechanical or chemical treatment? Seven methods for saliva-contaminated surfaces. <i>Journal of Prosthodontic Research</i> , 2022, 66, 288-295.	1.1	5
23	Effectiveness of sodium hypochlorite and sulfinic acid sodium salt treatment on dentin-resin bonding: Long-term durability of one-step self-etching adhesive. <i>Dental Materials Journal</i> , 2017, 36, 842-850.	0.8	4
24	Effects of three drying methods of post space dentin bonding used in a direct resin composite core build-up method. <i>Journal of Prosthodontic Research</i> , 2018, 62, 449-455.	1.1	4
25	Development of dental inspection method: nondestructive evaluation of a dentin-adhesive interface by acoustic emission. <i>Journal of Prosthodontic Research</i> , 2021, 65, 438-442.	1.1	3
26	Do resin core build-ups obtain the benefits of higher bonding ability from direct or indirect technique?. <i>Journal of Prosthodontic Research</i> , 2021, 65, 565-572.	1.1	2
27	Development of dental inspection method: Nondestructive evaluation of an adhesive interface by ACTIVE acoustic emission. <i>Journal of Prosthodontic Research</i> , 2022, 66, 236-242.	1.1	2
28	OCT Application to the Field of Postodontics. <i>Nippon Laser Igakkaishi</i> , 2015, 35, 416-423.	0.0	0
29	CAD/CAM indirect resin crowns: Metal-free treatment originating from Japan. <i>Annals of Japan Prosthodontic Society</i> , 2022, 14, 115-123.	0.0	0