

Burrow Mf

List of Publications by Year in descending order

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89
papers

2,548
citations

304743

22
h-index

214800

47
g-index

90
all docs

90
docs citations

90
times ranked

2396
citing authors

#	ARTICLE	IF	CITATIONS
1	New Approaches to Enhanced Remineralization of Tooth Enamel. <i>Journal of Dental Research</i> , 2010, 89, 1187-1197.	5.2	459
2	Aspects of bonding between resin luting cements and glass ceramic materials. <i>Dental Materials</i> , 2014, 30, e147-e162.	3.5	215
3	A Review of the Use of Simulation in Dental Education. <i>Simulation in Healthcare</i> , 2015, 10, 31-37.	1.2	148
4	Validation of swept-source optical coherence tomography (SS-OCT) for the diagnosis of occlusal caries. <i>Journal of Dentistry</i> , 2010, 38, 655-665.	4.1	146
5	When to intervene in the caries process? An expert Delphi consensus statement. <i>Clinical Oral Investigations</i> , 2019, 23, 3691-3703.	3.0	105
6	Incorporation of Casein Phosphopeptide-Amorphous Calcium Phosphate into a Glass-ionomer Cement. <i>Journal of Dental Research</i> , 2003, 82, 914-918.	5.2	97
7	Nanofilled Resin Composite Properties and Clinical Performance: A Review. <i>Operative Dentistry</i> , 2018, 43, E173-E190.	1.2	87
8	Cure mechanisms in materials for use in esthetic dentistry. <i>Journal of Investigative and Clinical Dentistry</i> , 2012, 3, 3-16.	1.8	83
9	Comparison between published clinical success of direct resin composite restorations in vital posterior teeth in 1995-2005 and 2006-2016 periods. <i>Australian Dental Journal</i> , 2017, 62, 132-145.	1.5	73
10	The inhibitory effect of proanthocyanidin on soluble and collagen-bound proteases. <i>Journal of Dentistry</i> , 2013, 41, 832-839.	4.1	72
11	The incorporation of casein phosphopeptide-amorphous calcium phosphate into a glass ionomer cement. <i>Dental Materials</i> , 2011, 27, 235-243.	3.5	63
12	Prevention of secondary caries using silver diamine fluoride treatment and casein phosphopeptide-amorphous calcium phosphate modified glass-ionomer cement. <i>Journal of Dentistry</i> , 2017, 57, 38-44.	4.1	53
13	Chemical, morphological and microhardness changes of dentine after chemomechanical caries removal. <i>Australian Dental Journal</i> , 2013, 58, 283-292.	1.5	43
14	Ion release and physical properties of CPP-ACP modified GIC in acid solutions. <i>Journal of Dentistry</i> , 2013, 41, 449-454.	4.1	34
15	Effect of Resin-Coating Technique on Dentin Tensile Bond Strengths over 3 Years. <i>Journal of Esthetic and Restorative Dentistry</i> , 2002, 14, 115-122.	3.8	32
16	Evaluation of F, Ca, and P release and microhardness of eleven ion-leaching restorative materials and the recharge efficacy using a new Ca/P containing fluoride varnish. <i>Journal of Dentistry</i> , 2020, 102, 103474.	4.1	32
17	Effect of dentine conditioning on adhesion of resin-modified glass ionomer adhesives. <i>Australian Dental Journal</i> , 2014, 59, 193-200.	1.5	30
18	Aspects of adhesion tests on resin-glass ceramic bonding. <i>Dental Materials</i> , 2017, 33, 1045-1055.	3.5	30

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19	Evaluation of discoloration of sound/demineralized root dentin with silver diamine fluoride: <i>In-vitro</i> study. Dental Materials Journal, 2019, 38, 143-149.	1.8	29
20	Effect of G-Coat Plus on the mechanical properties of glass-ionomer cements. Australian Dental Journal, 2013, 58, 448-453.	1.5	28
21	Comparison of ART and conventional techniques on clinical performance of glass-ionomer cement restorations in load bearing areas of permanent and primary dentitions: A systematic review. Journal of Dentistry, 2018, 78, 1-21.	4.1	28
22	Comparison of two all-in-one adhesives bonded to non-carious cervical lesionsâ€”results at 3Â½years. Clinical Oral Investigations, 2012, 16, 1089-1094.	3.0	25
23	Effect of Glutathione Bio-Molecule on Tooth Discoloration Associated with Silver Diammine Fluoride. International Journal of Molecular Sciences, 2018, 19, 1322.	4.1	25
24	Morphological and elemental analysis of silver penetration into sound/demineralized dentin after SDF application. Dental Materials, 2019, 35, 1718-1727.	3.5	24
25	Effect of silver-containing agents on the ultra-structural morphology of dentinal collagen. Dental Materials, 2020, 36, 936-944.	3.5	23
26	The clinical application of surface pH measurements to longitudinally assess white spot enamel lesions. Journal of Dentistry, 2010, 38, 584-590.	4.1	22
27	3D imaging of proximal caries in posterior teeth using optical coherence tomography. Scientific Reports, 2020, 10, 15754.	3.3	22
28	Synergistic effect of proanthocyanidin and CPP-ACFP on remineralization of artificial root caries. Australian Dental Journal, 2015, 60, 463-470.	1.5	21
29	Inhibitory effect of zinc-containing desensitizer on bacterial biofilm formation and root dentin demineralization. Dental Materials Journal, 2019, 38, 940-946.	1.8	21
30	Viability of Intratubular Bacteria after Chemomechanical Caries Removal. Journal of Endodontics, 2014, 40, 1972-1976.	3.1	19
31	Getting to the Root of Fine Motor Skill Performance in Dentistry: Brain Activity During Dental Tasks in a Virtual Reality Haptic Simulation. Journal of Medical Internet Research, 2017, 19, e371.	4.3	19
32	Status and progress of treatment methods for root caries in the last decade: a literature review. Australian Dental Journal, 2018, 63, 34-54.	1.5	18
33	Effects of silver diamine fluoride/potassium iodide on artificial root caries lesions with adjunctive application of proanthocyanidin. Acta Biomaterialia, 2019, 88, 491-502.	8.3	17
34	Posterior resin composite restorations with or without resinâ€”modified, glassâ€”ionomer cement lining: a 1â€”year randomized, clinical trial. Journal of Investigative and Clinical Dentistry, 2011, 2, 63-69.	1.8	16
35	Effect of the demineralisation efficacy of MDP utilized on the bonding performance of MDP-based all-in-one adhesives. Journal of Dentistry, 2018, 77, 59-65.	4.1	16
36	Adhesion durability of dual-cure resin cements and acidâ€”base resistant zone formation on human dentin. Dental Materials, 2019, 35, 945-952.	3.5	16

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37	Early bond strengths of 4-META/MMA-TBB resin cements to CAD/CAM resin composite. <i>Dental Materials Journal</i> , 2019, 38, 28-32.	1.8	16
38	Effect on the mechanical properties of human and bovine dentine of intracanal medicaments and irrigants. <i>Australian Dental Journal</i> , 2019, 64, 35-42.	1.5	16
39	Effect of silver diammine fluoride application on dentin bonding performance. <i>Dental Materials Journal</i> , 2020, 39, 407-414.	1.8	16
40	Effect of flavonoids on remineralization of artificial root caries. <i>Australian Dental Journal</i> , 2016, 61, 196-202.	1.5	15
41	Effect of dentin contamination with two hemostatic agents on bond strength of resin-modified glass ionomer cement with different conditioning. <i>Dental Materials Journal</i> , 2019, 38, 257-263.	1.8	15
42	Performance and perception of dental students using three intraoral CAD/CAM scanners for full-arch scanning. <i>Journal of Prosthodontic Research</i> , 2019, 63, 167-172.	2.8	14
43	Enhancement of dentin bond strength of resin cement using new resin coating materials. <i>Dental Materials Journal</i> , 2019, 38, 955-962.	1.8	13
44	The concept of super enamel formation – Relationship between chemical interaction and enamel acid-base resistant zone at the self-etch adhesive/enamel interface. <i>Dental Materials Journal</i> , 2020, 39, 534-538.	1.8	13
45	Effect of storage media and time on the fracture toughness of resin-based luting cements. <i>Australian Dental Journal</i> , 2012, 57, 349-354.	1.5	12
46	Shear Bond Strength and Remineralisation Effect of a Casein Phosphopeptide-Amorphous Calcium Phosphate-Modified Glass Ionomer Cement on Artificial Caries-Affected Dentine. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1723.	4.1	11
47	Effects of a surface prereacted glass-ionomer filler coating material on biofilm formation and inhibition of dentin demineralization. <i>Clinical Oral Investigations</i> , 2021, 25, 683-690.	3.0	11
48	Effects of mechanical abrasion challenge on sound and demineralized dentin surfaces treated with SDF. <i>Scientific Reports</i> , 2020, 10, 19884.	3.3	10
49	Physical Properties of Nanohybrid and Microhybrid Resin Composites Subjected to an Acidic Environment: A Laboratory Study. <i>Operative Dentistry</i> , 2020, 45, E105-E113.	1.2	10
50	Raman spectroscopic study of noncarious cervical lesions. <i>Odontology / the Society of the Nippon Dental University</i> , 2005, 93, 35-40.	1.9	9
51	Effect of etching with potassium hydrogen difluoride and ammonium hydrogen difluoride on bonding of a tri-n-butylborane initiated resin to zirconia. <i>Dental Materials Journal</i> , 2019, 38, 540-546.	1.8	8
52	In Vitro Salivary Protein Adsorption Profile on Titanium and Ceramic Surfaces and the Corresponding Putative Immunological Implications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3083.	4.1	8
53	The effect of different light curing units on Vickers microhardness and degree of conversion of flowable resin composites. <i>Dental Materials Journal</i> , 2021, 40, 44-51.	1.8	8
54	The prevalence of non-carious cervical lesions (NCCLs) with or without erosive etiological factors among adults of different ages in Tokyo. <i>Clinical Oral Investigations</i> , 2021, 25, 6939-6947.	3.0	8

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55	Clinical investigation of Gâ€Bond resinâ€based adhesive to nonâ€cariou cervical lesions over five years. Australian Dental Journal, 2012, 57, 458-463.	1.5	7
56	Evaluation of a new test method to determine the failure mode and macro-shear bond strength of dental materials to metals. Journal of Adhesion Science and Technology, 2014, 28, 881-892.	2.6	7
57	Operators matter â€“ An assessment of the expectations, perceptions, and performance of dentists, postgraduate students, and dental prosthetist students using intraoral scanning. Journal of Dentistry, 2021, 105, 103572.	4.1	7
58	Potential use of silver diammine fluoride in detection of carious dentin. Dental Materials Journal, 2021, 40, 820-826.	1.8	7
59	Evaluation of adhesion of a CPPâ€ACP modified GIC to enamel, sound dentine, and caries-affected dentine. International Journal of Adhesion and Adhesives, 2016, 66, 176-181.	2.9	6
60	The effect of curing mode of a high-power LED unit on bond strengths of dualcure resin cements to dentin and CAD/CAM resin blocks. Dental Materials Journal, 2019, 38, 947-954.	1.8	6
61	Biomechanical and biological evaluations of novel BPA-free fibre-reinforced composites for biomedical applications. Materials Science and Engineering C, 2020, 117, 111309.	7.3	6
62	Remineralising effects of fluoride varnishes containing calcium phosphate on artificial root caries lesions with adjunctive application of proanthocyanidin. Dental Materials, 2021, 37, 143-157.	3.5	6
63	Fluoride-Releasing Self-Etch Adhesives Create Thick ABRZ at the Interface. BioMed Research International, 2021, 2021, 1-5.	1.9	6
64	Comprehensive characterisation of flexural mechanical properties and a new classification for porosity of 11 contemporary ion-leaching dental restorative materials. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 121, 104615.	3.1	6
65	Clinical evaluation of nonâ€cariou cervical lesion restorations using a HEMAâ€free adhesive: threeâ€year results. Australian Dental Journal, 2011, 56, 401-405.	1.5	5
66	Cariou lesion management in children and adolescents by Australian dentists. Australian Dental Journal, 2019, 64, 282-292.	1.5	5
67	Evaluation of MDP and NaF in Two-step Self-etch Adhesives on Enamel Microshear Bond Strength and Morphology of the Adhesive-Enamel Interface. Journal of Adhesive Dentistry, 2018, 20, 527-534.	0.5	5
68	A simplified quantitative testâ€”adapted Checkbuf testâ€”for resting saliva buffering capacity compared with a standard test. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2009, 108, 551-556.	1.4	4
69	Relationship between composite fracture toughness and bond strengths to enamel and dentine. Australian Dental Journal, 2012, 57, 319-324.	1.5	4
70	Effect of home bleaching on the mechanical properties of resin luting cements using <sc>H</sc>ertzian indentation test. Journal of Investigative and Clinical Dentistry, 2015, 6, 234-239.	1.8	4
71	A survey of Australian prosthodontists: the use of posts in endodontically treated teeth. Australian Dental Journal, 2018, 63, 294-301.	1.5	4
72	Evaluation of <i>in vitro</i> Streptococcus mutans</i> and <i>Actinomyces naeslundii</i> attachment and growth on restorative materials surfaces. Australian Dental Journal, 2019, 64, 365-375.	1.5	4

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73	Fracture resistance, gap and void formation in rootâ€filled mandibular molars restored with bulkâ€fill resin composites and glassâ€ionomer cement base. Journal of Investigative and Clinical Dentistry, 2019, 10, e12435.	1.8	4
74	Effect of fluoride mouthrinse and fluoride concentration on bonding of a one-step self-etch adhesive to bovine root dentin. Journal of Oral Science, 2019, 61, 125-132.	1.7	4
75	Recharge and increase in hardness of GIC with CPP-ACP/F. Dental Materials, 2020, 36, 1608-1614.	3.5	4
76	The biocompatibility of glass-fibre reinforced composites (GFRCs) â€ a systematic review. Journal of Prosthodontic Research, 2021, 65, 273-283.	2.8	4
77	Effect of two bleaching regimens on enamel bonding performance. Dental Materials Journal, 2020, 39, 984-991.	1.8	4
78	The biocompatibility of glass-fibre reinforced composites (GFRCs) â€ a systematic review. Journal of Prosthodontic Research, 2021, 65, 273-283.	2.8	3
79	Using Proanthocyanidin as a Root Dentin Conditioner for GIC Restorations. Journal of Dental Research, 2021, 100, 1072-1080.	5.2	3
80	Effect of repair systems on dentin bonding performance. Dental Materials Journal, 2021, 40, 903-910.	1.8	3
81	Evaluation of bonding performance and multi-ion release of S-PRG filler-containing self-adhesive resin composite. Dental Materials Journal, 2021, 40, 1257-1263.	1.8	3
82	A systematic review of the proteomic profile of in vivo acquired enamel pellicle on permanent teeth. Journal of Dentistry, 2021, 113, 103799.	4.1	3
83	Effect of <scp>CPPâ€ACP</scp> modifiedâ€<scp>GIC</scp> on prevention of demineralization in comparison to other fluorideâ€containing restorative materials. Australian Dental Journal, 2022, , .	1.5	3
84	Evaluation of 12-hour in situ bacterial colonization on smooth restorative material surfaces. Journal of Dentistry, 2022, 119, 104071.	4.1	3
85	A technique using resin composite with orthodontic wire to replace a missing tooth rapidly. Dental Traumatology, 2008, 24, 127-130.	2.0	1
86	A conceptual model for clinical psychomotor skill development in an era of simulated and virtual reality. European Journal of Dental Education, 2021, , .	2.0	1
87	Analysing Complex Oral Protein Samples: Complete Workflow and Case Analysis of Salivary Pellicles. Journal of Clinical Medicine, 2021, 10, 2801.	2.4	1
88	Clinical assessment of resin-coating technique applied to exposed dentin after crown preparation. Dental Materials Journal, 2022, , .	1.8	1
89	Erratum to â€œThe effect of oxalic acid incorporation on the setting time and strength of a glass-ionomer cementâ€•[Acta Biomaterialia 2 (1) (2006) 109â€112]. Acta Biomaterialia, 2006, 2, 363.	8.3	0