

Domenick T Zero

List of Publications by Year in descending order

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63
papers

4,232
citations

172207

29
h-index

114278

63
g-index

64
all docs

64
docs citations

64
times ranked

3664
citing authors

#	ARTICLE	IF	CITATIONS
1	Dental caries. Nature Reviews Disease Primers, 2017, 3, 17030.	18.1	958
2	The Effectiveness of Sealants in Managing Caries Lesions. Journal of Dental Research, 2008, 87, 169-174.	2.5	274
3	In Situ Caries Models. Advances in Dental Research, 1995, 9, 214-230.	3.6	210
4	Evidence-based clinical practice guideline on nonrestorative treatments for carious lesions. Journal of the American Dental Association, 2018, 149, 837-849.e19.	0.7	182
5	Erosion " chemical and biological factors of importance to the dental practitioner. International Dental Journal, 2005, 55, 285-290.	1.0	175
6	Dentifrices, mouthwashes, and remineralization/caries arrestment strategies. BMC Oral Health, 2006, 6, S9.	0.8	161
7	Nonrestorative Treatments for Caries: Systematic Review and Network Meta-analysis. Journal of Dental Research, 2019, 98, 14-26.	2.5	147
8	Topical ferumoxytol nanoparticles disrupt biofilms and prevent tooth decay in vivo via intrinsic catalytic activity. Nature Communications, 2018, 9, 2920.	5.8	129
9	The Biology, Prevention, Diagnosis and Treatment of Dental Caries. Journal of the American Dental Association, 2009, 140, 25S-34S.	0.7	126
10	Diagnostic tools for early caries detection. Journal of the American Dental Association, 2006, 137, 1675-1684.	0.7	123
11	Development of Gold Standard Ion-Selective Electrode-Based Methods for Fluoride Analysis. Caries Research, 2011, 45, 3-12.	0.9	114
12	The Natural History of Dental Caries Lesions. Journal of Dental Research, 2012, 91, 841-846.	2.5	102
13	Comparison of the Iodide Permeability Test, the Surface Microhardness Test, and Mineral Dissolution of Bovine Enamel following Acid Challenge. Caries Research, 1990, 24, 181-188.	0.9	89
14	An in situ Model for Simultaneous Assessment of Inhibition of Demineralization and Enhancement of Remineralization. Journal of Dental Research, 1992, 71, 804-810.	2.5	82
15	Secondary caries: what is it, and how it can be controlled, detected, and managed?. Clinical Oral Investigations, 2020, 24, 1869-1876.	1.4	81
16	Dental Caries and Pulpal Disease. Dental Clinics of North America, 2011, 55, 29-46.	0.8	73
17	Effect of a pulsed CO2 laser and fluoride on the prevention of enamel and dentine erosion. Archives of Oral Biology, 2010, 55, 127-133.	0.8	67
18	Use of ICDAS Combined with Quantitative Light-Induced Fluorescence as a Caries Detection Method. Caries Research, 2010, 44, 317-322.	0.9	66

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19	Monitoring of Sound and Carious Surfaces under Sealants over 44 Months. <i>Journal of Dental Research</i> , 2014, 93, 1070-1075.	2.5	63
20	Interplay between fluoride and abrasivity of dentifrices on dental erosionâ€“abrasion. <i>Journal of Dentistry</i> , 2009, 37, 781-785.	1.7	60
21	Biofilm three-dimensional architecture influences in situ pH distribution pattern on the human enamel surface. <i>International Journal of Oral Science</i> , 2017, 9, 74-79.	3.6	59
22	How to Intervene in the Caries Process in Children: A Joint ORCA and EFCD Expert Delphi Consensus Statement. <i>Caries Research</i> , 2020, 54, 297-305.	0.9	59
23	An Improved Intra-oral Enamel Demineralization Test Model for the Study of Dental Caries. <i>Journal of Dental Research</i> , 1992, 71, 871-878.	2.5	58
24	The Effect of Brushing Time and Dentifrice Quantity on Fluoride Delivery in vivo and Enamel Surface Microhardness in situ. <i>Caries Research</i> , 2010, 44, 90-100.	0.9	58
25	Identification of Caries Risk Factors in Toddlers. <i>Journal of Dental Research</i> , 2011, 90, 209-214.	2.5	58
26	Influence of Fluoride Availability of Dentifrices on Eroded Enamel Remineralization in situ. <i>Caries Research</i> , 2009, 43, 57-63.	0.9	53
27	In situ Fluoride Response of Caries Lesions with Different Mineral Distributions at Baseline. <i>Caries Research</i> , 2011, 45, 47-55.	0.9	45
28	Ferumoxytol Nanoparticles Target Biofilms Causing Tooth Decay in the Human Mouth. <i>Nano Letters</i> , 2021, 21, 9442-9449.	4.5	42
29	Anti-erosive properties of solutions containing fluoride and different film-forming agents. <i>Journal of Dentistry</i> , 2015, 43, 458-465.	1.7	40
30	Remineralisation effect of a dual-phase calcium silicate/phosphate gel combined with calcium silicate/phosphate toothpaste on acid-challenged enamel in situ. <i>Journal of Dentistry</i> , 2014, 42, S53-S59.	1.7	29
31	Bridging the Gap in Caries Management Between Research and Practice Through Education: The Indiana University Experience. <i>Journal of Dental Education</i> , 2007, 71, 579-591.	0.7	28
32	Pilot clinical study to assess caries lesion activity using quantitative light-induced fluorescence during dehydration. <i>Journal of Biomedical Optics</i> , 2017, 22, 035005.	1.4	28
33	The remineralizing effect of an essential oil fluoride mouthrinse in an intraoral caries test. <i>Journal of the American Dental Association</i> , 2004, 135, 231-237.	0.7	27
34	How to Intervene in the Caries Process in Older Adults: A Joint ORCA and EFCD Expert Delphi Consensus Statement. <i>Caries Research</i> , 2020, 54, 459-465.	0.9	24
35	Ability of quantitative light-induced fluorescence (QLF) to assess the activity of white spot lesions during dehydration. <i>American Journal of Dentistry</i> , 2006, 19, 15-8.	0.1	23
36	In vitro Detection of Occlusal Caries on Permanent Teeth by a Visual, Light-Induced Fluorescence and Photothermal Radiometry and Modulated Luminescence Methods. <i>Caries Research</i> , 2015, 49, 523-530.	0.9	21

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37	Remineralization Models. <i>Advances in Dental Research</i> , 2012, 24, 129-132.	3.6	20
38	Longitudinal Analyses of Early Lesions by Fluorescence. <i>Journal of Dental Research</i> , 2013, 92, S84-S89.	2.5	20
39	Novel in situ longitudinal model for the study of dentifrices on dental erosion/abrasion. <i>European Journal of Oral Sciences</i> , 2014, 122, 161-167.	0.7	19
40	European Organization for Caries Research Workshop: Methodology for Determination of Potentially Available Fluoride in Toothpastes. <i>Caries Research</i> , 2019, 53, 119-136.	0.9	19
41	Preliminary Study to Establish a Relationship between Tactile Sensation and Surface Roughness. <i>Caries Research</i> , 2010, 44, 24-28.	0.9	17
42	Dose-response effect of fluoride dentifrice on remineralisation and further demineralisation of erosive lesions: A randomised in situ clinical study. <i>Journal of Dentistry</i> , 2015, 43, 823-831.	1.7	15
43	A randomised clinical evaluation of a fluoride mouthrinse and dentifrice in an in situ caries model. <i>Journal of Dentistry</i> , 2018, 70, 59-66.	1.7	14
44	A Randomized in situ Clinical Study of Fluoride Dentifrices on Enamel Remineralization and Resistance to Demineralization: Effects of Zinc. <i>Caries Research</i> , 2018, 52, 129-138.	0.9	14
45	Effects of a sodium fluoride- and phytate-containing dentifrice on remineralisation of enamel erosive lesions: an in situ randomised clinical study. <i>Clinical Oral Investigations</i> , 2018, 22, 2543-2552.	1.4	13
46	Effect of toothbrushing duration and dentifrice quantity on enamel remineralisation: An in situ randomized clinical trial. <i>Journal of Dentistry</i> , 2016, 55, 61-67.	1.7	12
47	How the introduction of the acid-etch technique revolutionized dental practice. <i>Journal of the American Dental Association</i> , 2013, 144, 990-994.	0.7	11
48	Objective and quantitative assessment of caries lesion activity. <i>Journal of Dentistry</i> , 2018, 78, 76-82.	1.7	10
49	In situ efficacy of an experimental toothpaste on enamel rehardening and prevention of demineralisation: a randomised, controlled trial. <i>BMC Oral Health</i> , 2020, 20, 118.	0.8	10
50	Erosion Remineralization Efficacy of Gel-to-Foam Fluoride Toothpastes in situ: A Randomized Clinical Trial. <i>Caries Research</i> , 2016, 50, 62-70.	0.9	9
51	Are sugar substitutes also anticariogenic?. <i>Journal of the American Dental Association</i> , 2008, 139, 9S-10S.	0.7	8
52	Effect of phytate and zinc ions on fluoride toothpaste efficacy using an in situ caries model. <i>Journal of Dentistry</i> , 2018, 73, 24-31.	1.7	8
53	COVID-19 and Saliva: A Primer for Dental Health Care Professionals. <i>International Dental Journal</i> , 2021, 71, 5-8.	1.0	8
54	Laboratory investigations into the potential anticaries efficacy of fluoride varnishes. <i>Pediatric Dentistry (discontinued)</i> , 2014, 36, 291-5.	0.4	7

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55	Impact of dentifrice abrasivity and remineralization time on erosive tooth wear in vitro. American Journal of Dentistry, 2018, 31, 29-33.	0.1	7
56	Enamel Carious Lesion Development in Response to Sucrose and Fluoride Concentrations and to Time of Biofilm Formation: An Artificial-Mouth Study. Journal of Oral Diseases, 2014, 2014, 1-8.	0.7	6
57	How the introduction of the acid-etch technique revolutionized dental practice. Journal of the American Dental Association, 2013, 144, 47S-51S.	0.7	5
58	Anticaries Potential of a Sodium Monofluorophosphate Dentifrice Containing Calcium Sodium Phosphosilicate: Exploratory in situ Randomized Trial. Caries Research, 2017, 51, 170-178.	0.9	5
59	In situ anticaries efficacy of dentifrices with different formulations – A pooled analysis of results from three randomized clinical trials. Journal of Dentistry, 2018, 77, 93-105.	1.7	4
60	<scp>Cross-polarization</scp> optical coherence tomographic assessment of in situ simulated erosive tooth wear. Journal of Biophotonics, 2021, 14, e202100090.	1.1	4
61	Three-Dimensional Surface Texture Characterization of In Situ Simulated Erosive Tooth Wear. Journal of Dental Research, 2021, 100, 1236-1242.	2.5	3
62	Foreword. International Dental Journal, 2013, 63, 1-2.	1.0	1
63	A randomised clinical study to evaluate experimental children's toothpastes in an in-situ palatal caries model in children aged 11-14 years. International Dental Journal, 2013, 63, 31-38.	1.0	1