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List of Publications by Year
in descending order

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63	4,232	172457	114465
papers	citations	29 h-index	63 g-index

64	64	64	3664
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dental caries. Nature Reviews Disease Primers, 2017, 3, 17030.	30.5	958
2	The Effectiveness of Sealants in Managing Caries Lesions. Journal of Dental Research, 2008, 87, 169-174.	5.2	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.	1.5	182
5	Erosion â€" chemical and biological factors of importance to the dental practitioner. International Dental Journal, 2005, 55, 285-290.	2.6	175
6	Dentifrices, mouthwashes, and remineralization/caries arrestment strategies. BMC Oral Health, 2006, 6, S9.	2.3	161
7	Nonrestorative Treatments for Caries: Systematic Review and Network Meta-analysis. Journal of Dental Research, 2019, 98, 14-26.	5.2	147
8	Topical ferumoxytol nanoparticles disrupt biofilms and prevent tooth decay in vivo via intrinsic catalytic activity. Nature Communications, 2018, 9, 2920.	12.8	129
9	The Biology, Prevention, Diagnosis and Treatment of Dental Caries. Journal of the American Dental Association, 2009, 140, 25S-34S.	1.5	126
10	Diagnostic tools for early caries detection. Journal of the American Dental Association, 2006, 137, 1675-1684.	1.5	123
11	Development of Gold Standard Ion-Selective Electrode-Based Methods for Fluoride Analysis. Caries Research, 2011, 45, 3-12.	2.0	114
12	The Natural History of Dental Caries Lesions. Journal of Dental Research, 2012, 91, 841-846.	5.2	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.	2.0	89
14	An in sita Model for Simultaneous Assessment of Inhibition of Demineralization and Enhancement of Remineralization. Journal of Dental Research, 1992, 71, 804-810.	5.2	82
15	Secondary caries: what is it, and how it can be controlled, detected, and managed?. Clinical Oral Investigations, 2020, 24, 1869-1876.	3.0	81
16	Dental Caries and Pulpal Disease. Dental Clinics of North America, 2011, 55, 29-46.	1.8	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.	1.8	67
18	Use of ICDAS Combined with Quantitative Light-Induced Fluorescence as a Caries Detection Method. Caries Research, 2010, 44, 317-322.	2.0	66

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19	Monitoring of Sound and Carious Surfaces under Sealants over 44 Months. Journal of Dental Research, 2014, 93, 1070-1075.	5.2	63
20	Interplay between fluoride and abrasivity of dentifrices on dental erosionâ€“abrasion. Journal of Dentistry, 2009, 37, 781-785.	4.1	60
21	Biofilm three-dimensional architecture influences in situ pH distribution pattern on the human enamel surface. International Journal of Oral Science, 2017, 9, 74-79.	8.6	59
22	How to Intervene in the Caries Process in Children: A Joint ORCA and EFCD Expert Delphi Consensus Statement. Caries Research, 2020, 54, 297-305.	2.0	59
23	An Improved Intra-oral Enamel Demineralization Test Model for the Study of Dental Caries. Journal of Dental Research, 1992, 71, 871-878.	5.2	58
24	The Effect of Brushing Time and Dentifrice Quantity on Fluoride Delivery in vivo and Enamel Surface Microhardness in situ. Caries Research, 2010, 44, 90-100.	2.0	58
25	Identification of Caries Risk Factors in Toddlers. Journal of Dental Research, 2011, 90, 209-214.	5.2	58
26	Influence of Fluoride Availability of Dentifrices on Eroded Enamel Remineralization in situ. Caries Research, 2009, 43, 57-63.	2.0	53
27	In situ Fluoride Response of Caries Lesions with Different Mineral Distributions at Baseline. Caries Research, 2011, 45, 47-55.	2.0	45
28	Ferumoxytol Nanoparticles Target Biofilms Causing Tooth Decay in the Human Mouth. Nano Letters, 2021, 21, 9442-9449.	9.1	42
29	Anti-erosive properties of solutions containing fluoride and different film-forming agents. Journal of Dentistry, 2015, 43, 458-465.	4.1	40
30	Remineralisation effect of a dual-phase calcium silicate/phosphate gel combined with calcium silicate/phosphate toothpaste on acid-challenged enamel in situ. Journal of Dentistry, 2014, 42, S53-S59.	4.1	29
31	Bridging the Gap in Caries Management Between Research and Practice Through Education: The Indiana University Experience. Journal of Dental Education, 2007, 71, 579-591.	1.2	28
32	Pilot clinical study to assess caries lesion activity using quantitative light-induced fluorescence during dehydration. Journal of Biomedical Optics, 2017, 22, 035005.	2.6	28
33	The remineralizing effect of an essential oil fluoride mouthrinse in an intraoral caries test. Journal of the American Dental Association, 2004, 135, 231-237.	1.5	27
34	How to Intervene in the Caries Process in Older Adults: A Joint ORCA and EFCD Expert Delphi Consensus Statement. Caries Research, 2020, 54, 459-465.	2.0	24
35	Ability of quantitative light-induced fluorescence (QLF) to assess the activity of white spot lesions during dehydration. American Journal of Dentistry, 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. Caries Research, 2015, 49, 523-530.	2.0	21

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37	Remineralization Models. Advances in Dental Research, 2012, 24, 129-132.	3.6	20
38	Longitudinal Analyses of Early Lesions by Fluorescence. Journal of Dental Research, 2013, 92, S84-S89.	5.2	20
39	Novel inâ€šsitu longitudinal model for the study of dentifrices on dental erosionâ€“abrasion. European Journal of Oral Sciences, 2014, 122, 161-167.	1.5	19
40	European Organization for Caries Research Workshop: Methodology for Determination of Potentially Available Fluoride in Toothpastes. Caries Research, 2019, 53, 119-136.	2.0	19
41	Preliminary Study to Establish a Relationship between Tactile Sensation and Surface Roughness. Caries Research, 2010, 44, 24-28.	2.0	17
42	Doseâ€“response effect of fluoride dentifrice on remineralisation and further demineralisation of erosive lesions: A randomised in situ clinical study. Journal of Dentistry, 2015, 43, 823-831.	4.1	15
43	A randomised clinical evaluation of a fluoride mouthrinse and dentifrice in an in situ caries model. Journal of Dentistry, 2018, 70, 59-66.	4.1	14
44	A Randomized in situ Clinical Study of Fluoride Dentifrices on Enamel Remineralization and Resistance to Demineralization: Effects of Zinc. Caries Research, 2018, 52, 129-138.	2.0	14
45	Effects of a sodium fluoride- and phytate-containing dentifrice on remineralisation of enamel erosive lesionsâ€”an in situ randomised clinical study. Clinical Oral Investigations, 2018, 22, 2543-2552.	3.0	13
46	Effect of toothbrushing duration and dentifrice quantity on enamel remineralisation: An in situ randomized clinical trial. Journal of Dentistry, 2016, 55, 61-67.	4.1	12
47	How the introduction of the acid-etch technique revolutionized dental practice. Journal of the American Dental Association, 2013, 144, 990-994.	1.5	11
48	Objective and quantitative assessment of caries lesion activity. Journal of Dentistry, 2018, 78, 76-82.	4.1	10
49	In situ efficacy of an experimental toothpaste on enamel rehardening and prevention of demineralisation: a randomised, controlled trial. BMC Oral Health, 2020, 20, 118.	2.3	10
50	Erosion Remineralization Efficacy of Gel-to-Foam Fluoride Toothpastes in situ: A Randomized Clinical Trial. Caries Research, 2016, 50, 62-70.	2.0	9
51	Are sugar substitutes also anticariogenic?. Journal of the American Dental Association, 2008, 139, 9S-10S.	1.5	8
52	Effect of phytate and zinc ions on fluoride toothpaste efficacy using an in situ caries model. Journal of Dentistry, 2018, 73, 24-31.	4.1	8
53	COVID-19 and Saliva: A Primer for Dental Health Care Professionals. International Dental Journal, 2021, 71, 5-8.	2.6	8
54	Laboratory investigations into the potential anticaries efficacy of fluoride varnishes. Pediatric Dentistry (discontinued), 2014, 36, 291-5.	0.4	7

#	Article	IF	Citations
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.	1.5	5
58	Anticaries Potential of a Sodium Monofluorophosphate Dentifrice Containing Calcium Sodium Phosphosilicate: Exploratory in situ Randomized Trial. Caries Research, 2017, 51, 170-178.	2.0	5
59	In situ anticaries efficacy of dentifrices with different formulations â€“ A pooled analysis of results from three randomized clinical trials. Journal of Dentistry, 2018, 77, 93-105.	4.1	4
60	<scp>Crossâ€polarization</scp> optical coherence tomographic assessment of in situ simulated erosive tooth wear. Journal of Biophotonics, 2021, 14, e202100090.	2.3	4
61	Three-Dimensional Surface Texture Characterization of In Situ Simulated Erosive Tooth Wear. Journal of Dental Research, 2021, 100, 1236-1242.	5.2	3
62	Foreword. International Dental Journal, 2013, 63, 1-2.	2.6	1
63	A randomised clinical study to evaluate experimental childrenâ€™s toothpastes in an in-situ palatal caries model in children aged 11â€“14 years. International Dental Journal, 2013, 63, 31-38.	2.6	1