Anderson T. Hara

List of Publications by Year
in descending order

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143 papers	4,357 citations	94433 37 h-index	138484 58 g-index
143 all docs	143 docs citations	143 times ranked	3283 citing authors

#	Article	IF	Citations
1	Bovine teeth as substitute for human teeth in dental research: a review of literature. Journal of Oral Science, 2011, 53, 273-282.	1.7	236
2	pH-cycling models to evaluate the effect of low fluoride dentifrice on enamel de- and remineralization. Brazilian Dental Journal, 2008, 19, 21-27.	1.1	183
3	Methods for the Measurement and Characterization of Erosion in Enamel and Dentine. Caries Research, 2011, 45, 13-23.	2.0	156
4	Terminology of Erosive Tooth Wear: Consensus Report of a Workshop Organized by the ORCA and the Cariology Research Group of the IADR. Caries Research, 2020, 54, 2-6.	2.0	155
5	Protective Effect of the Dental Pellicle against Erosive Challenges in situ. Journal of Dental Research, 2006, 85, 612-616.	5.2	143
6	Topical ferumoxytol nanoparticles disrupt biofilms and prevent tooth decay in vivo via intrinsic catalytic activity. Nature Communications, 2018, 9, 2920.	12.8	129
7	Caries Progression and Inhibition in Human and Bovine Root Dentine in situ. Caries Research, 2003, 37, 339-344.	2.0	121
8	Spatial mapping of polymicrobial communities reveals a precise biogeography associated with human dental caries. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12375-12386.	7.1	121
9	The Potential of Saliva in Protecting against Dental Erosion. Monographs in Oral Science, 2014, 25, 197-205.	1.8	111
10	Effect of storage media upon the surface micromorphology of resin-based restorative materials. Journal of Oral Rehabilitation, 2002, 29, 864-871.	3.0	106
11	Acquired pellicle as a modulator for dental erosion. Archives of Oral Biology, 2014, 59, 631-638.	1.8	96
12	Influence of the Organic Matrix on Root Dentine Erosion by Citric Acid. Caries Research, 2005, 39, 134-138.	2.0	85
13	Analysis of the erosive potential of calciumâ€containing acidic beverages. European Journal of Oral Sciences, 2008, 116, 60-65.	1.5	81
14	Biological Factors. , 2006, 20, 88-99.		69
15	The Caries Environment: Saliva, Pellicle, Diet, and Hard Tissue Ultrastructure. Dental Clinics of North America, 2010, 54, 455-467.	1.8	68
16	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
17	Full-contour Y-TZP ceramic surface roughness effect on synthetic hydroxyapatite wear. Dental Materials, 2013, 29, 666-673.	3.5	66
18	Interplay between fluoride and abrasivity of dentifrices on dental erosionâ€“abrasion. Journal of Dentistry, 2009, 37, 781-785.	4.1	60

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19	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
20	Bioactivity of novel self-assembled crystalline Nb 2 O 5 microstructures in simulated and human salivas. Biomedical Materials (Bristol), 2006, 1, 16-23.	3.3	58
21	Dentine Remineralisation by Simulated Saliva Formulations with Different Ca and P_i Contents. Caries Research, 2008, 42, 51-56.	2.0	56
22	Influence of cross-head speed on resin-dentin shear bond strength. Dental Materials, 2001, 17, 165-169.	3.5	54
23	Influence of Fluoride Availability of Dentifrices on Eroded Enamel Remineralization in situ. Caries Research, 2009, 43, 57-63.	2.0	53
24	Abrasive wear on eroded root dentine after different periods of exposure to saliva in situ. European Journal of Oral Sciences, 2003, 111, 423-427.	1.5	52
25	Sodium fluoride effect on erosionâ€“abrasion under hyposalivatory simulating conditions. Archives of Oral Biology, 2013, 58, 1457-1463.	1.8	51
26	The effect of human saliva substitutes in an erosionâ€“abrasion cycling model. European Journal of Oral Sciences, 2008, 116, 552-556.	1.5	50
27	In vitro evaluation of the erosive potential of orange juice modified by food additives in enamel and dentine. Journal of Dentistry, 2011, 39, 841-848.	4.1	47
28	Fluoride release and secondary caries inhibition by adhesive systems on root dentine. European Journal of Oral Sciences, 2005, 113, 245-250.	1.5	46
29	Toothpastes and enamel erosion/abrasion â€“ Impact of active ingredients and the particulate fraction. Journal of Dentistry, 2016, 54, 62-67.	4.1	46
30	The Impact of Stannous, Fluoride Ions and Its Combination on Enamel Pellicle Proteome and Dental Erosion Prevention. PLoS ONE, 2015, 10, e0128196.	2.5	46
31	In situ Fluoride Response of Caries Lesions with Different Mineral Distributions at Baseline. Caries Research, 2011, 45, 47-55.	2.0	45
32	Influence of Fluoride-Releasing Restorative Material on Root Dentine Secondary Caries in situ. Caries Research, 2006, 40, 435-439.	2.0	44
33	Effects of Novel 3-dimensional Antibiotic-containing Electrospun Scaffolds on Dentin Discoloration. Journal of Endodontics, 2016, 42, 106-112.	3.1	43
34	Evaluation of Residual Antibacterial Effect of Human Radicular Dentin Treated with Triple and Double AntibioticÂPastes. Journal of Endodontics, 2015, 41, 1081-1084.	3.1	42
35	Ferumoxytol Nanoparticles Target Biofilms Causing Tooth Decay in the Human Mouth. Nano Letters, 2021, 21, 9442-9449.	9.1	42
36	Abrasion of eroded root dentine brushed with different toothpastes. Clinical Oral Investigations, 2004, 8, 151-155.	3.0	41

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37	Anti-erosive properties of solutions containing fluoride and different film-forming agents. Journal of Dentistry, 2015, 43, 458-465.	4.1	40
38	Biomimetic Approach for Root Caries Prevention Using a Proanthocyanidin-Rich Agent. Caries Research, 2011, 45, 443-447.	2.0	39
39	Influence of storage regime prior to abrasion on surface topography of restorative materials. Journal of Biomedical Materials Research Part B, 2003, 65B, 227-232.	3.1	38
40	Interaction between toothpaste abrasivity and toothbrush filament stiffness on the development of erosive/abrasive lesions in vitro. International Dental Journal, 2017, 67, 344-350.	2.6	38
41	A Defined-Multispecies Microbial Model for Studying Enamel Caries Development. Caries Research, 2013, 47, 318-324.	2.0	37
42	Effectiveness and mode of action of whitening dentifrices on enamel extrinsic stains. Clinical Oral Investigations, 2014, 18, 563-569.	3.0	36
43	Interplay between Experimental Dental Pellicles and Stannous-Containing Toothpaste on Dental Erosion-Abrasion. Caries Research, 2013, 47, 325-329.	2.0	32
44	Dental Surface Texture Characterization Based on Erosive Tooth Wear Processes. Journal of Dental Research, 2016, 95, 537-542.	5.2	32
45	Strontium and Caries: A Long and Complicated Relationship. Caries Research, 2013, 47, 34-49.	2.0	31
46	Influence of Fullâ€Contour Zirconia Surface Roughness on Wear of Glassâ€Ceramics. Journal of Prosthodontics, 2014, 23, 198-205.	3.7	31
47	Erosion Protection by Calcium Lactate/Sodium Fluoride Rinses under Different Salivary Flows in vitro. Caries Research, 2014, 48, 193-199.	2.0	30
48	Abrasivity Testing of Dentifrices - Challenges and Current State of the Art. Monographs in Oral Science, 2013, 23, 100-107.	1.8	29
49	Effects of Simulated Gastric Juice on CAD/CAM Resin Compositesâ€"Morphological and Mechanical Evaluations. Journal of Prosthodontics, 2017, 26, 424-431.	3.7	29
50	Erosion and Abrasion of Enamel and Dentin Associated With At-Home Bleaching. Journal of the American Dental Association, 2010, 141, 546-551.	1.5	27
51	In situ Evaluation of the Erosive Potential of Orange Juice Modified by Food Additives. Caries Research, 2012, 46, 55-61.	2.0	27
52	Cariostatic effect of fluoride-containing restorative systems associated with dentifrices on root dentin. Journal of Dentistry, 2002, 30, 205-212.	4.1	26
53	Influence of Toothbrushing on the Antierosive Effect of Film-Forming Agents. Caries Research, 2016, 50, 104-110.	2.0	26
54	In situ evaluation of fluoride-, stannous- and polyphosphate-containing solutions against enamel erosion. Journal of Dentistry, 2017, 63, 30-35.	4.1	26

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55	Study on the potential inhibition of root dentine wear adjacent to fluoride-containing restorations. Journal of Materials Science: Materials in Medicine, 2008, 19, 47-51.	3.6	25
56	3D-Image analysis of the impact of toothpaste abrasivity on the progression of simulated non-carious cervical lesions. Journal of Dentistry, 2018, 73, 14-18.	4.1	24
57	Effect of Fluoride, Lesion Baseline Severity and Mineral Distribution on Lesion Progression. Caries Research, 2012, 46, 23-30.	2.0	23
58	Enamel Thickness Determination by Optical Coherence Tomography: In vitro Validation. Caries Research, 2016, 50, 400-406.	2.0	23
59	Baking soda as an abrasive in toothpastes. Journal of the American Dental Association, 2017, 148, S27-S33.	1.5	23
60	Susceptibility of restorations and adjacent enamel/dentine to erosion under different salivary flow conditions. Journal of Dentistry, 2015, 43, 1476-1482.	4.1	21
61	Interplay between toothbrush stiffness and dentifrice abrasivity on the development of non-carious cervical lesions. Clinical Oral Investigations, 2019, 23, 3551-3556.	3.0	21
62	Early diagnosis and daily practice management of erosive tooth wear lesions. British Dental Journal, 2018, 224, 311-318.	0.6	20
63	Anti-Erosive Effect of Solutions Containing Sodium Fluoride, Stannous Chloride, and Selected Film-Forming Polymers. Caries Research, 2019, 53, 305-313.	2.0	20
64	Effect of non-vital tooth bleaching on microleakage of coronal access restorations. Journal of Oral Rehabilitation, 2003, 30, 1123-1127.	3.0	19
65	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
66	Influence of the mineral content and morphological pattern of artificial root caries lesion on composite resin bond strength. European Journal of Oral Sciences, 2004, 112, 67-72.	1.5	18
67	Physicomechanical properties of a zinc-reinforced glass ionomer restorative material. Journal of Oral Science, 2014, 56, 11-16.	1.7	18
68	Visual evaluation of in vitro cariostatic effect of restorative materials associated with dentifrices. Brazilian Dental Journal, 2005, 16, 112-118.	1.1	17
69	Trend-analysis of dental hard-tissue conditions as function of tooth age. Journal of Dentistry, 2018, 74, 107-112.	4.1	17
70	Role of dentifrices on abrasion of enamel exposed to an acidic drink. American Journal of Dentistry, 2005, 18, 251-5.	0.1	17
71	Counteractive effect of antacid suspensions on intrinsic dental erosion. European Journal of Oral Sciences, 2012, 120, 349-352.	1.5	16
72	Toothbrushing abrasion susceptibility of enamel and dentin bleached with calcium-supplemented hydrogen peroxide gel. Journal of Dentistry, 2016, 49, 54-59.	4.1	16

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73	Monitoring of demineralized dentin microhardness throughout and after bleaching. American Journal of Dentistry, 2004, 17, 342-6.	0.1	16
74	Sodium bicarbonate solution as an antiâ€erosive agent against simulated endogenous erosion. European Journal of Oral Sciences, 2010, 118, 385-388.	1.5	15
75	Calcium lactate pre-rinse increased fluoride protection against enamel erosion in a randomized controlled in situ trial. Journal of Dentistry, 2014, 42, 534-539.	4.1	15
76	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
77	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
78	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
79	Toothpaste factors related to dentine tubule occlusion and dentine protection against erosion and abrasion. Clinical Oral Investigations, 2020, 24, 2051-2060.	3.0	14
80	Comparison between radiotracer and surface profile methods for the determination of dentifrice abrasivity. Wear, 2013, 306, 73-79.	3.1	13
81	Efficacy of stannous, fluoride and their their combination in dentin erosion prevention in vitro. Brazilian Oral Research, 2015, 29, 1-5.	1.4	13
82	Effect of Nd:YAG laser irradiation and fluoride application in the progression of dentin erosion in vitro. Lasers in Medical Science, 2015, 30, 2273-2279.	2.1	13
83	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
84	Enamel crack association with tooth age and wear severity: An optical coherence tomography study. American Journal of Dentistry, 2019, 32, 3-8.	0.1	13
85	Dentifrice Fluoride and Abrasivity Interplay on Artificial Caries Lesions. Caries Research, 2014, 48, 557-565.	2.0	12
86	Toothbrush bristle configuration and brushing load: Effect on the development of simulated non-carious cervical lesions. Journal of Dentistry, 2019, 86, 75-80.	4.1	12
87	Causes of Dental Erosion: Intrinsic Factors. , 2015, , 35-67.		11
88	Impact of toothbrushing frequency and toothpaste fluoride/abrasivity levels on incipient artificial caries lesion abrasion. Journal of Dentistry, 2018, 76, 89-92.	4.1	11
89	Influence of post-bleaching time intervals on dentin bond strength. Brazilian Oral Research, 2004, 18, 75-79.	1.4	11
90	Fluoride dose-response of human and bovine enamel caries lesions under remineralizing conditions. American Journal of Dentistry, 2012, 25, 205-9.	0.1	11

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91	In situ Effect of Arginine-Containing Dentifrice on Plaque Composition and on Enamel Demineralization under Distinct Cariogenic Conditions. Caries Research, 2018, 52, 588-597.	2.0	10
92	In vitro longitudinal evaluation of enamel wear by cross-polarization optical coherence tomography. Dental Materials, 2019, 35, 1464-1470.	3.5	10
93	Randomised study of the effects of fluoride and time on in situ remineralisation of acid-softened enamel. Clinical Oral Investigations, 2019, 23, 4455-4463.	3.0	10
94	Effect of silver diamine fluoride on the prevention of erosive tooth wear in vitro. Journal of Dentistry, 2020, 103, 100015.	4.1	10
95	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
96	In vitro demineralization prevention by fluoride and silver nanoparticles when applied to sound enamel and enamel caries-like lesions of varying severities. Journal of Dentistry, 2021, 104, 103536.	4.1	10
97	Erosion Remineralization Efficacy of Gel-to-Foam Fluoride Toothpastes in situ: A Randomized Clinical Trial. Caries Research, 2016, 50, 62-70.	2.0	9
98	Dental bleaching efficacy and impact on demineralization susceptibility of simulated stained-remineralized caries lesions. Journal of Dentistry, 2019, 81, 59-63.	4.1	9
99	Effect of xylitol:sorbitol on fluoride enamel demineralization reduction in situ. Journal of Dentistry, 2006, 34, 662-667.	4.1	8
100	Development of an orange juice surrogate for the study of dental erosion. Brazilian Dental Journal, 2011, 22, 473-478.	1.1	8
101	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
102	Causes of Dental Erosion: Extrinsic Factors. , 2015, , 69-96.		8
103	The effect of anti-sensitivity dentifrices on brushing abrasion of eroded dentin in vitro. Journal of Clinical Dentistry, 2008, 19, 143-6.	0.9	8
104	Susceptibility of partially desalivated rats to erosive tooth wear by calciumâ€supplemented beverages. Oral Diseases, 2018, 24, 355-362.	3.0	7
105	Impact of surface micromorphology and demineralization severity on enamel loss measurements by cross-polarization optical coherence tomography. Journal of Dentistry, 2019, 81, 52-58.	4.1	7
106	Effect of dentifrice slurry abrasivity and erosive challenge on simulated non-carious cervical lesions development <i>in vitro </i>. Journal of Oral Science, 2021, 63, 191-194.	1.7	7
107	Laboratory investigations into the potential anticaries efficacy of fluoride varnishes. Pediatric Dentistry (discontinued), 2014, 36, 291-5.	0.4	7
108	In vitro effect of calcium-containing prescription-strength fluoride toothpastes on bovine enamel erosion under hyposalivation-simulating conditions. American Journal of Dentistry, 2015, 28, 18-22.	0.1	7

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109	Impact of dentifrice abrasivity and remineralization time on erosive tooth wear in vitro. American Journal of Dentistry, 2018, 31, 29-33.	0.1	7
110	Bleaching of simulated stained-remineralized caries lesions in vitro. Clinical Oral Investigations, 2019, 23, 1785-1792.	3.0	6
111	Dentists clinical decision-making for erosive tooth wear: An online pilot study. Journal of Dentistry, 2020, 100, 103424.	4.1	6
112	Erosive tooth wear inhibition by hybrid coatings with encapsulated fluoride and stannous ions. Journal of Materials Science: Materials in Medicine, 2021, 32, 83.	3.6	6
113	Objective assessment of simulated non-carious cervical lesion by tridimensional digital scanning. Clinical Oral Investigations, 2021, 25, 4069-4074.	3.0	6
114	Protective Effect of Solutions Containing Polymers Associated with Fluoride and Stannous Chloride on Hydroxyapatite Dissolution. Caries Research, 2021, 55, 122-129.	2.0	6
115	Brushing abrasion of dentin: effect of diluent and dilution rate of toothpaste. American Journal of Dentistry, 2010, 23, 247-50.	0.1	6
116	An in vitro microbial model associated with sucrose to produce dentin caries lesions. Open Life Sciences, 2011, 6, 414-421.	1.4	5
117	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
118	Monitoring of simulated occlusal tooth wear by objective outcome measures. Journal of Dentistry, 2020, 102, 103467.	4.1	5
119	The effects of charcoal dentifrices on Streptococcus mutans biofilm development and enamel demineralization. American Journal of Dentistry, 2020, 33, 12-16.	0.1	5
120	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
121	Effect of sucralfate against hydrochloric acid-induced dental erosion. Clinical Oral Investigations, 2019, 23, 2365-2370.	3.0	4
122	<scp>Crossâ€polarization</scp> optical coherence tomographic assessment of in situ simulated erosive tooth wear. Journal of Biophotonics, 2021, 14, e202100090.	2.3	4
123	In-vitro evaluation of the anti-cariogenic effect of a hybrid coating associated with encapsulated sodium fluoride and stannous chloride in nanoclays on enamel. Journal of Applied Oral Science, 2022, 30, e20210643.	1.8	4
124	Microhardness evaluation around composite restorations using fluoride-containing adhesive systems. Journal of Applied Oral Science, 2005, 13, 259-264.	1.8	3
125	CO2 laser and fluoride on the inhibition of root cariesâ€”an in vitro microbial model. Laser Physics, 2010, 20, 1838-1843.	1.2	3
126	Are dental patients able to perceive erosive tooth wear on anterior teeth?. Journal of the American Dental Association, 2020, 151, 10-15.	1.5	3

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127	Three-Dimensional Surface Texture Characterization of In Situ Simulated Erosive Tooth Wear. Journal of Dental Research, 2021, 100, 1236-1242.	5.2	3
128	A conservative approach to esthetically treat stained arrested caries lesions. Quintessence International, 2016, 47, 499-504.	0.4	3
129	Supplementation of an Orange Juice with Dietary Proteins to Prevent Enamel and Dentin Erosion. Brazilian Dental Journal, 2015, 26, 263-267.	1.1	2
130	Comment on the Paper Entitled â€œArginine and Caries Prevention: A Systematic Reviewâ€. Caries Research, 2017, 51, 167-169.	2.0	2
131	Susceptibility of Dental Enamel of Different Ages to Caries-Like Lesion Development. Caries Research, 2020, 54, 475-482.	2.0	2
132	The ability of dual whitening anti-caries mouthrinses to remove extrinsic staining and enhance caries lesion remineralization â€“ An in vitro study. Journal of Dentistry, 2020, 103, 100022.	4.1	2
133	In vitro comparison of root surface roughness and bacterial adhesion following treatment with three different instruments. Journal of Periodontology, 2021, , .	3.4	2
134	Diagnosis, risk assessment, and treatment decisions for tooth wear in daily practice: a case presentation survey among Belgian dentists. European Journal of Oral Sciences, 2021, 129, e12764.	1.5	2
135	Foreword. International Dental Journal, 2013, 63, 1-2.	2.6	1
136	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
137	Effects of PVP-Iodine pH and Calcium Concentration on Fluoride Varnish Anti-Caries Efficacy In Vitro. Oral Health & Preventive Dentistry, 2019, 17, 257-262.	0.5	1
138	Self-Organized Metal Oxide Exhibiting Enhanced Bioactivity. Advances in Science and Technology, 2006, 53, 17-21.	0.2	0
139	Impact of dietary acidity related to beverage intake on dental erosion and bone fragility fractures. FASEB Journal, 2007, 21, A355.	0.5	0
140	Tooth Eruption and Early Childhood Caries: A Multisite Longitudinal Study. Pediatric Dentistry (discontinued), 2021, 43, 287-289.	0.4	0
141	Tooth Age Impact on Dental Erosion Susceptibility and Treatment Efficacy. Caries Research, 2021, 55, 585-593.	2.0	0
142	Estimating Hard-tissue Conditions from Dental Images via Machine Learning. , 2020, , .		0
143	The Effects of Fluoride Treatment Time and Concentration on In Vitro Caries Lesion Demineralisation and Remineralisation. Oral Health & Preventive Dentistry, 2018, 16, 557-562.	0.5	0