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## The chemistry of enamel caries

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#	Paper	IF	Citations
210	Solubility properties of human tooth mineral and pathogenesis of dental caries. <b>2004</b> , 10, 249-57		89
209	Infections of Teeth and Bone. <b>2004</b> , 70-93		
208	The effect of gamma radiation on enamel hardness and its resistance to demineralization in vitro. <b>2004</b> , 46, 215-20		20
207	Effects of sodium fluoride on the actin cytoskeleton of murine ameloblasts. <b>2005</b> , 50, 681-8		38
206	Ex vivo detection and characterization of early dental caries by optical coherence tomography and Raman spectroscopy. <b>2005</b> , 10, 031118		87
205	Malnutrition and dental caries: a review of the literature. <b>2005</b> , 39, 441-7		101
204	Effect of withdrawal of fluoride-containing toothpaste on the interproximal plaque microflora. <b>2005</b> , 39, 231-5		1
203	Optimal Er:YAG laser energy for preventing enamel demineralization. <b>2006</b> , 34, 62-6		45
202	Characterization of natural carious lesions by fluorescence spectroscopy at 405-nm excitation wavelength. <b>2007</b> , 12, 064013		20
201	Laser-induced compositional changes on enamel: a FT-Raman study. <b>2007</b> , 35, 226-30		58
200	Self-assembling peptide scaffolds promote enamel remineralization. <b>2007</b> , 86, 426-30		236
199	2D mapping of texture and lattice parameters of dental enamel. <b>2007</b> , 28, 2908-14		85
198	A Synthetic Peptide Based on a Natural Salivary Protein Reduces Demineralisation in Model Systems for Dental Caries and Erosion. <b>2007</b> , 13, 497-503		26
197	Principles of demineralization: modern strategies for the isolation of organic frameworks. Part I. Common definitions and history. <b>2008</b> , 39, 1062-91		60
196	High-resolution X-ray microdiffraction analysis of natural teeth. <b>2008</b> , 15, 235-8		42
195	Functional mapping of carious enamel in human teeth with Raman microspectroscopy. <b>2008</b> , 39, 655-660		21
194	Influence of cavity preparation with Er:YAG Laser on enamel adjacent to restorations submitted to cariogenic challenge in situ: a polarized light microscopic analysis. <b>2008</b> , 40, 634-43		16

193	Bioactive nanofibers instruct cells to proliferate and differentiate during enamel regeneration. <b>2008</b> , 23, 1995-2006	109
192	Fluoride in Dentistry and Dental Restoratives. <b>2008</b> , 333-378	4
191	Partial rescue of the amelogenin null dental enamel phenotype. <b>2008</b> , 283, 15056-62	26
190	Assessment of early demineralization in teeth using the signal attenuation in optical coherence tomography images. <b>2008</b> , 13, 054053	49
189	Influence of Er:YAG laser on microhardness of enamel adjacent to restorations submitted to cariogenic challenge in situ. <b>2008</b> , 26, 379-85	7
188	Physical and compositional changes on demineralized primary enamel induced by CO2 Laser. <b>2009</b> , 27, 585-90	22
187	Structural and thermal behaviour of carious and sound powders of human tooth enamel and dentine. <b>2009</b> , 42, 235408	13
186	Principles of demineralization: modern strategies for the isolation of organic frameworks. Part II. Decalcification. <b>2009</b> , 40, 169-93	82
185	Chemical/molecular structure of the dentin-enamel junction is dependent on the intratooth location. <b>2009</b> , 84, 221-8	55
184	Dental enamel birefringence for a wide mineral content range and for different immersion media's refractive indexes: an improved mathematical interpretation. <b>2009</b> , 233, 69-75	13
183	Wear behavior of early carious enamel before and after remineralization. <b>2009</b> , 267, 726-733	16
182	Quantification of dental erosions in patients with GERD using optical coherence tomography before and after double-blind, randomized treatment with esomeprazole or placebo. <b>2009</b> , 104, 2788-95	77
181	Fluoride and the caries lesion: interactions and mechanism of action. <b>2009</b> , 10, 136-40	33
180	Scientific Opinion on the substantiation of health claims related to fluoride and maintenance of tooth mineralisation (ID 275, 276) and maintenance of bone (ID 371) pursuant to Article 13(1) of Regulation (EC) No 1924/2006. <b>2009</b> , 7, 1212	5
179	Surfactant-modified beta-TCP: structure, properties, and in vitro remineralization of subsurface enamel lesions. <b>2010</b> , 21, 2009-20	47
178	Biological synthesis of tooth enamel instructed by an artificial matrix. <b>2010</b> , 31, 9202-11	77
177	Biom mineralized strontium-substituted apatite/titanium dioxide coating on titanium surfaces. <b>2010</b> , 6, 1591-600	71
176	Time-resolved fluorescence spectroscopy of white-spot caries in human enamel. <b>2010</b> , 49, 2244-9	2

175	Pretty painful: why does tooth bleaching hurt?. <b>2010</b> , 74, 835-40	133
174	New approaches to enhanced remineralization of tooth enamel. <b>2010</b> , 89, 1187-97	339
173	In situ evaluation of the remineralizing capacity of pit and fissure sealants containing amorphous calcium phosphate and/or fluoride. <b>2010</b> , 68, 11-8	31
172	Effect of low level fluoride on demineralization kinetics of human dental enamel. <b>2011</b> , 21, 160-164	
171	The effect of fluoride slow-releasing devices on fluoride in plaque biofilms and saliva: a randomised controlled trial. <b>2011</b> , 12, 163-6	1
170	Dental caries and pulpal disease. <b>2011</b> , 55, 29-46	51
169	Imaging carious dental tissues with multiphoton fluorescence lifetime imaging microscopy. <b>2010</b> , 2, 149-58	25
168	Bonding efficiency of contemporary adhesives to the dentinoenamel junction zone. <b>2011</b> , 119, 232-40	1
167	Nanostructure of healthy and caries-affected human teeth. <b>2011</b> , 7, 694-701	53
166	In vivo effects of fluoride on enamel permeability. <b>2011</b> , 15, 443-9	17
165	A comparison of methods using optical coherence tomography to detect demineralized regions in teeth. <b>2011</b> , 4, 814-23	17
164	Quantitative evaluation of the kinetics of human enamel simulated caries using photothermal radiometry and modulated luminescence. <b>2011</b> , 16, 071406	17
163	Effect of hydrogen peroxide at 35% on the morphology of enamel and interference in the de-remineralization process: an in situ study. <b>2012</b> , 37, 518-25	25
162	FTIR and SEM analysis of CO <sub>2</sub> laser irradiated human enamel. <b>2012</b> , 57, 1153-8	30
161	A longitudinal study of occlusal caries in Newark New Jersey school children: relationship between initial dental finding and the development of new lesions. <b>2012</b> , 57, 1482-90	4
160	The effects of lesion baseline characteristics and different Sr:Ca ratios in plaque fluid-like solutions on caries lesion de- and remineralization. <b>2012</b> , 57, 1299-306	3
159	Distribution of fluoride and magnesium concentrations in deciduous tooth enamel of children with cerebral palsy and Down syndrome. <b>2012</b> , 22, 103-109	
158	Full Issue PDF. <b>2012</b> , 37, 445-E7	0

157	Atom probe tomography of apatites and bone-type mineralized tissues. <b>2012</b> , 6, 10667-75	85
156	Effect of fluoride sustained slow-releasing device on fluoride, phosphate and calcium levels in plaque biofilms over time measured using ion chromatography. <b>2012</b> , 40, 632-8	4
155	Lactose cariogenicity with an emphasis on childhood dental caries. <b>2012</b> , 22, 152-158	14
154	Incorporation of active ions into calcium phosphate coatings, their release behavior and mechanism. <b>2012</b> , 7, 045018	16
153	Demineralization of enamel in primary second molars related to properties of the enamel. <b>2012</b> , 2012, 587254	9
152	Aspects Regarding Fluoride Treatment for Reinforcement and Remineralization of Apatite Crystals. <b>2012</b> , 21, 257-266	2
151	An in vitro study of the effect of aluminum and the combined effect of strontium, aluminum, and fluoride elements on early enamel carious lesions. <b>2012</b> , 147, 418-27	10
150	In situ remineralization of white-spot enamel lesions by 500 and 1,100 ppm F dentifrices. <b>2012</b> , 16, 1007-14	18
149	Natural enamel caries in polarized light microscopy: differences in histopathological features derived from a qualitative versus a quantitative approach to interpret enamel birefringence. <b>2012</b> , 246, 177-89	23
148	Understanding nano-anatomy of healthy and carious human teeth: a prerequisite for nanodentistry. <b>2012</b> , 7, 4	22
147	Characterizing and identifying incipient carious lesions in dental enamel using micro-Raman spectroscopy. <b>2013</b> , 47, 27-33	24
146	Polymer coated liposomes for dental drug delivery--interactions with parotid saliva and dental enamel. <b>2013</b> , 50, 78-85	28
145	Inhibition of enamel mineral loss by fissure sealant: an in situ study. <b>2013</b> , 41, 42-50	23
144	Treatment of early caries lesions using biomimetic self-assembling peptides--a clinical safety trial. <b>2013</b> , 215, E6	110
143	Influence of laser irradiation on pits and fissures: an in situ study. <b>2013</b> , 31, 82-9	9
142	Evaluation of the effect of PVA tape supplemented with 2.26% fluoride on enamel demineralization using microhardness assessment and scanning electron microscopy: in vitro study. <b>2013</b> , 58, 160-6	11
141	Evaluation of 3 commercially available materials for resolution of white spot lesions. <b>2013</b> , 143, S78-84	18
140	In situ demineralisation of human enamel studied by synchrotron-based X-ray microtomography--a descriptive pilot-study. <b>2013</b> , 44, 404-9	6

139	Fluoride Therapy. <b>2013</b> , 251-282	1
138	Recovery of crystallographic texture in remineralized dental enamel. <b>2014</b> , 9, e108879	15
137	Characterization and Biocompatibility Evaluation of Hydroxyapatite Doped with Silver and/or Fluorine. <b>2014</b> , 96, 27-32	1
136	Effects of CO2 laser irradiation on tooth enamel coated with biofilm. <b>2014</b> , 46, 216-23	13
135	A SEM and non-contact surface white light profilometry in vivo study of the effect of a crñe containing CPP-ACP and fluoride on young etched enamel. <b>2014</b> , 36, 270-7	14
134	Minimal-invasive Therapiemöglichkeiten der initialen approximalen Karies. <b>2014</b> , 111, 298-302	
133	Biomimetic self-assembly of apatite hybrid materials: from a single molecular template to bi-/multi-molecular templates. <b>2014</b> , 32, 744-60	60
132	Evaluation of the effect of food and beverages on enamel and restorative materials by SEM and Fourier transform infrared spectroscopy. <b>2014</b> , 77, 79-90	6
131	Enamel white spot lesions can remineralise using bio-active glass and polyacrylic acid-modified bio-active glass powders. <b>2014</b> , 42, 158-66	64
130	Physical chemical effects of zinc on in vitro enamel demineralization. <b>2014</b> , 42, 1096-104	18
129	Enamel mineral loss. <b>2014</b> , 42 Suppl 1, S2-11	54
128	Fluoride-Releasing Dental Restorative Materials: An Update*. <b>2014</b> , 18, 60-69	5
127	Mapping residual organics and carbonate at grain boundaries and the amorphous interphase in mouse incisor enamel. <b>2015</b> , 6, 57	31
126	Element distribution and histological observation of enamel in deciduous canines of children with Down syndrome. <b>2015</b> , 25, 64-71	
125	Dental materials. Amorphous intergranular phases control the properties of rodent tooth enamel. <b>2015</b> , 347, 746-50	143
124	Vibrational algorithms for quantitative crystallographic analyses of hydroxyapatite-based biomaterials: II, application to decayed human teeth. <b>2015</b> , 407, 3343-56	16
123	Dental demineralization and caries in patients with head and neck cancer. <b>2015</b> , 51, 824-31	56
122	Investigating phase transformations in hard tissues of the human tooth during the carious process by means of Raman microspectroscopy and luminescence. <b>2015</b> , 79, 227-232	2

121	Chemical and Morphological Changes of Primary Teeth Irradiated with Nd:YAG Laser: An Ex Vivo Long-Term Analysis. <b>2015</b> , 33, 266-73	5
120	Advances in Supportive Care for Late Effects of Head and Neck Cancer. <b>2015</b> , 33, 3314-21	76
119	Loss of structural water and carbonate of Nd:YAG laser-irradiated human enamel. <b>2015</b> , 30, 1183-7	9
118	Effects of fluoride and Aloe vera tooth gel in artificial white spot lesions in vitro. <b>2016</b> , 64, 56-61	1
117	Clinical aspects of tooth repair. <b>2016</b> , 1-20	2
116	A 12-Week Assessment of the Treatment of White Spot Lesions with CPP-ACP Paste and/or Fluoride Varnish. <b>2016</b> , 2016, 8357621	25
115	Calcium release from experimental dental materials. <b>2016</b> , 68, 213-220	12
114	Repairing human tooth enamel with leucine-rich amelogenin peptide-chitosan hydrogel. <b>2016</b> , 31, 556-563	28
113	Combinatorial localized dissolution analysis: Application to acid-induced dissolution of dental enamel and the effect of surface treatments. <b>2016</b> , 476, 94-102	7
112	Effect of Fluoride Varnish on Enamel Remineralization in Anterior Teeth with Molar Incisor Hypomineralization. <b>2016</b> , 40, 207-10	18
111	Deletion of amelotin exons 3-6 is associated with amelogenesis imperfecta. <b>2016</b> , 25, 3578-3587	30
110	Comparison of the chemical composition of normal enamel from exfoliated primary teeth and teeth affected with early childhood caries: an in vitro study. <b>2016</b> , 26, 20-5	2
109	FT-Raman Spectroscopy Study of the Remineralization of Microwave-Exposed Artificial Caries. <b>2016</b> , 95, 342-8	12
108	Optical diagnosis and characterization of dental caries with polarization-resolved hyperspectral stimulated Raman scattering microscopy. <b>2016</b> , 7, 1284-93	17
107	Quantitative characterization and micro-CT mineral mapping of natural fissural enamel lesions. <b>2016</b> , 46, 23-9	12
106	Secondary caries and microleakage. <b>2016</b> , 32, 11-25	55
105	Effect of neodymium:yttrium-aluminum-garnet laser and fluoride on the acid demineralization of enamel. <b>2017</b> , 8, e12185	6
104	DENTAL ENAMEL FORMATION AND IMPLICATIONS FOR ORAL HEALTH AND DISEASE. <b>2017</b> , 97, 939-993	151

103	Raman spectroscopy as a tool of early dental caries detection—New insights. <b>2017</b> , 48, 1094-1102	20
102	Cationic Amphiphilic Polymers with Antimicrobial Activity for Oral Care Applications: Eradication of <i>S. mutans</i> Biofilm. <b>2017</b> , 18, 257-265	50
101	Characterization of enamel caries lesions in rat molars using synchrotron X-ray microtomography. <b>2017</b> , 24, 1056-1064	3
100	Diagnosis and staging of caries using spectral factors derived from the blue laser-induced autofluorescence spectrum. <b>2017</b> , 67, 77-83	6
99	Vibrational monitor of early demineralization in tooth enamel after in vitro exposure to phosphoric liquid. <b>2017</b> , 173, 19-33	14
98	Pathogenesis Of Dental Fluorosis: Biochemical And Cellular Mechanisms. <b>2017</b> , 28, 408-421	2
97	Remineralisation of enamel white spot lesions pre-treated with chitosan in the presence of salivary pellicle. <b>2018</b> , 72, 21-28	15
96	New Insight into Mixing Fluoride and Chloride in Bioactive Silicate Glasses. <b>2018</b> , 8, 1316	8
95	Evaluation of crystalline changes and resistance to demineralization of the surface of human dental enamel treated with Er:YAG laser and fluoride using x-ray diffraction analysis and Vickers microhardness. <b>2018</b> , 28, 065602	3
94	Chemical composition and morphology study of bovine enamel submitted to different sterilization methods. <b>2018</b> , 22, 733-744	3
93	Natural enamel caries in quinoline: Volumetric data and the pattern of infiltration. <b>2018</b> , 81, 181-190	2
92	Retention Improvement in Fluoride Application with Cold Atmospheric Plasma. <b>2018</b> , 97, 179-183	10
91	Clinical performance of self-assembling peptide P -4 in the treatment of initial proximal carious lesions: A practice-based case series. <b>2018</b> , 9, e12286	15
90	Influence of dentin pretreatment with 2.5% titanium tetrafluoride on inhibiting caries at the tooth-restoration interface in situ. <b>2018</b> , 86, 51-57	4
89	Aspects of the final phase of enamel formation as evidenced by observations of superficial enamel of human third molars using scanning electron microscopy. <b>2018</b> , 86, 72-79	8
88	In Vitro morphological, optical and microbiological evaluation of nanosilver fluoride in the remineralization of deciduous teeth enamel. <b>2018</b> , 7, 509-520	4
87	Assessing the validity of existing dental sealant quality measures. <b>2018</b> , 149, 756-764.e1	11
86	The Role and Impact of Salivary Zn Levels on Dental Caries. <b>2018</b> , 2018, 8137915	5



85	Variation on Molecular Structure, Crystallinity, and Optical Properties of Dentin Due to Nd:YAG Laser and Fluoride Aimed at Tooth Erosion Prevention. <b>2018</b> , 19,	15
84	In situ monitoring and analysis of enamel demineralisation using synchrotron X-ray scattering. <b>2018</b> , 77, 333-341	10
83	In-vitro subsurface remineralisation of artificial enamel white spot lesions pre-treated with chitosan. <b>2018</b> , 34, 1154-1167	22
82	Enamel Remineralization with Novel Bioactive Glass Air Abrasion. <b>2018</b> , 97, 1438-1444	11
81	Fluoride Exposure in Early Life as the Possible Root Cause of Disease In Later Life. <b>2018</b> , 42, 325-330	10
80	Novel DLX3 variants in amelogenesis imperfecta with attenuated tricho-dento-osseous syndrome. <b>2019</b> , 25, 182-191	9
79	Zinc and Metallothionein in the Development and Progression of Dental Caries. <b>2019</b> , 187, 51-58	7
78	Atomic-Scale Characterization Reveals Core-Shell Structure of Enamel Crystallites. <b>2019</b> , 25, 1722-1723	2
77	Plant-based milk in arresting caries. <b>2019</b> , 16, 2231-2237	0
76	Consumption of Different Energy Beverages and Oral Health. <b>2019</b> , 441-481	
75	Adsorption and Substitution of Metal Ions on Hydroxyapatite as a Function of Crystal Facet and Electrolyte pH. <b>2019</b> , 123, 16982-16993	10
74	Chitosan-bioglass complexes promote subsurface remineralisation of incipient human carious enamel lesions. <b>2019</b> , 84, 67-75	18
73	Carbonated Soft Drink-Soaking Change the Crystallographic Properties of Human Tooth Enamel -A Micro-XRD Study. <b>2019</b> , 28, 129-138	
72	Artificial Caries Resistance in Enamel after Topical Fluoride Treatment and 445 nm Laser Irradiation. <b>2019</b> , 2019, 9101642	7
71	CPP-ACP Promotes SnF Efficacy in a Polymicrobial Caries Model. <b>2019</b> , 98, 218-224	8
70	A 3000 year old case of an unusual dental lesion: Pre-eruptive intracoronal resorption. <b>2019</b> , 97, 97-101	7
69	In vitro remineralization of artificial enamel caries with resin composites containing calcium phosphate particles. <b>2019</b> , 107, 1542-1550	13
68	Effects of 10,600 nm Carbon Dioxide Laser on Remineralizing Caries: A Literature Review. <b>2020</b> , 38, 59-65	6

67	Spectral characteristics of caries autofluorescence obtained from different locations and caries severities. <b>2020</b> , 13, e201900224	
66	Nanoscale pathways for human tooth decay - Central planar defect, organic-rich precipitate and high-angle grain boundary. <b>2020</b> , 235, 119748	15
65	Resin infiltration of enamel white spot lesions: An ultramorphological analysis. <b>2020</b> , 32, 317-324	8
64	Advances of Anti-Caries Nanomaterials. <b>2020</b> , 25,	8
63	Challenges and Solutions in the Characterization of Hierarchically Structured, Functionally Graded Tooth Biominerals. <b>2020</b> , 26, 1592-1594	
62	Characterisation of mineral loss as a function of depth using confocal laser scanning microscopy to study erosive lesions in enamel: A novel non-destructive image processing model. <b>2020</b> , 99, 103402	2
61	Chemical gradients in human enamel crystallites. <b>2020</b> , 583, 66-71	50
60	Efficacy of CO lasers in preventing dental caries in partially erupted first permanent molars: a randomized 18-month clinical trial. <b>2020</b> , 35, 1185-1191	3
59	Correlation between Lesion Progression and Depolarization Assessed by Polarization-Sensitive Optical Coherence Tomography. <b>2020</b> , 10, 2971	0
58	Comparative analysis of dentine and gingival fluid molecular composition and protein conformations during development of dentine caries: A pilot study. <b>2020</b> , 108, 103058	1
57	Nanocapsule pH Regulator: Sustained Continuous Alkali Release from Thermosensitive Liposomes Reduces Acid Erosion. <b>2020</b> , 12, 21463-21469	5
56	In Vitro Comparison of Fluoride, Magnesium, and Calcium Phosphate Materials on Prevention of White Spot Lesions around Orthodontic Brackets. <b>2020</b> , 2020, 1989817	1
55	Acid-induced demineralisation of human enamel as a function of time and pH observed using X-ray and polarised light imaging. <b>2021</b> , 120, 240-248	10
54	Ultrastructure and properties of primary carious molars treated using the Hall Technique. <b>2021</b> , 31, 290-298	1
53	Mineralization of dental tissues and caries lesions detailed with Raman microspectroscopic imaging. <b>2021</b> , 146, 1705-1713	7
52	Exogenous Intake of Fluorides in Caries Prevention: Benefits and Risks. <b>2021</b> , 64, 71-76	
51	A comparative evaluation of penetration depth and surface microhardness of Resin Infiltrant, CPP-ACPF and Novamin on enamel demineralization after banding: an study. <b>2021</b> , 8, 64-71	
50	Enamel demineralization model in primary teeth: Micro-CT and SEM assessments of artificial incipient lesion. <b>2021</b> , 84, 1577-1585	0

49	Novel approach to enhancing remineralization of tooth surface by magnetic field exposure. <b>2021</b> , 9, 49-56	2
48	Non-Fluoridated Remineralising Agents - A Review of Literature. <b>2021</b> , 10, 638-644	2
47	Effects of Treatment Combining 9300 nm Carbon Dioxide Lasers and Fluoride on Prevention of Enamel Caries: A Systematic Review and Meta-Analysis. <b>2021</b> , 11, 3996	0
46	NUTRITION AND MINERAL CONTENT IN HUMAN TEETH THROUGH THE CENTURIES. <b>2021</b> , 124, 105075	
45	Minimal amelogenin domain for enamel formation. <b>2021</b> , 73, 1696-1704	1
44	A novel non-destructive technique for qualitative and quantitative measurement of dental erosion in its entirety by porosity and bulk tissue-loss. <b>2021</b> , 110, 103688	1
43	Assessment of the preventive effects of Nd:YAG laser associated with fluoride on enamel caries using optical coherence tomography and FTIR spectroscopy. <b>2021</b> , 16, e0254217	2
42	Role of bioglass in enamel remineralization: Existing strategies and future prospects-A narrative review. <b>2022</b> , 110, 45-66	2
41	Emerging Dental Applications of Raman Spectroscopy. <b>2010</b> , 263-284	3
40	Dental Caries. <b>2014</b> , 87-92	1
39	Mineralization. <b>2005</b> , 477-495	1
38	An in Vitro Comparison of the Enamel Remineralisation Potential of Bioactive Glass, Hydroxyapatite and CPP-ACP. <b>2017</b> , 131, 571-576	2
37	Phase transformations in a human tooth tissue at the initial stage of caries. <b>2015</b> , 10, e0124008	34
36	Acid resistance of the enamel in primary second molars from children with down syndrome and cerebral palsy. <b>2009</b> , 3, 132-6	3
35	Progress on Biomedical Ceramic Coatings Prepared by Thermal Spraying. <b>2013</b> , 28, 12-20	2
34	Biomimetic ceramics for periodontal regeneration in infrabony defects: A systematic review. <b>2014</b> , 4, S78-92	5
33	Effect of Aqueous Extracts of <i>Salvadora persica</i> Miswak on the Acid Eroded Enamel Surface at Nano-Mechanical Scale. <b>2016</b> , 07, 754-771	7
32	Recent Advances in Dental Hard Tissue Remineralization: A Review of Literature. <b>2019</b> , 12, 139-144	33

31	Management of Enamel White Spot Lesions. <b>2013</b> , 3, 133-137	1
30	Dairy products and oral health. <b>2007</b> , 134-162	2
29	Resin Infiltration Treatment for Caries Lesions. <b>2016</b> , 199-209	2
28	Demineralization and Remineralization. <b>2016</b> , 71-83	1
27	Remineralisation and Biomimetics: Remineralisation Agents and Fluoride Therapy. <b>2016</b> , 57-70	
26	Physico-chemical Characterisation of the Processes Involved in Enamel Remineralisation by CPP-ACP. <b>2018</b> , 219-228	
25	Molecular Interactions of Peptide Encapsulated Calcium Phosphate Delivery Vehicle at Enamel Surfaces. <b>2018</b> , 229-239	2
24	Potential of nano-silver fluoride for tooth enamel caries prevention. <b>2018</b> ,	
23	In vitro remineralization of human and bovine white-spot enamel lesions by NaF dentifrices: A pilot study. <b>2011</b> , 3, 22-29	22
22	Dental resin composites: A review on materials to product realizations. <b>2022</b> , 230, 109495	6
21	A Hydroxypropyl Methylcellulose Film Loaded with AFCP Nanoparticles for Inhibiting Formation of Enamel White Spot Lesions. <b>2021</b> , 16, 7623-7637	0
20	Evaluation of the Antimicrobial Effect of Mineral Trioxide Aggregate Mixed with Fluorohydroxyapatite against In Vitro. <b>2021</b> , 2021, 6318690	
19	Morphological and porosity changes in primary enamel surface after an in vitro demineralization model.. <b>2022</b> ,	0
18	Atmospheric Pressure Plasma Activation of Hydroxyapatite to Improve Fluoride Incorporation and Modulate Bacterial Biofilm. <b>2021</b> , 22,	1
17	Effectiveness of Self-Assembling Peptide (P11-4) in Dental Hard Tissue Conditions: A Comprehensive Review.. <b>2022</b> , 14,	0
16	Rehardening and the Protective Effect of Gamma-Polyglutamic Acid/Nano-Hydroxyapatite Paste on Surface-Etched Enamel. <b>2021</b> , 13,	0
15	Effect of Age on Mechanical Properties of Human Tooth Enamel. <b>2022</b> , 9,	
14	Silver nanoparticles penetration in dentin: implications for long-term caries arrestment. <b>2022</b> , 101489	

- 13 Natural tooth enamel and its analogs. **2022**, 100945
- 12 Characterization of dynamic process of carious and erosive demineralization: An overview. **2022**, 25, 454
- 11 Demineralization and Remineralization Dynamics and Dental Caries.
- 10 Novel Technology for Enamel Remineralization in Artificially Induced White Spot Lesions: In Vitro Study. **2022**, 12, 1285
- 9 Gradient Magnesium Content Affects Nanomechanics via Decreasing the Size and Crystallinity of Nanoparticles of Pseudoosteodentine of the Pacific Cutlassfish, *Trichiurus lepturus* Teeth. **2022**, 7, 39214-39223
- 8 Mineralization of Dentinal Lesions with different Concentrations of Fluoride Mineralization of Dentinal Lesions with Fluoride.
- 7 Effect of cumulative ionizing radiation on flexural strength, flexural modulus and elasticity modulus of dentin in unerupted human third molars. **2022**, 101127
- 6 Anticariogenic Sanative Effect of Aluminum Gallium Arsenide Crystals on Hydroxyapatite Crystals. **2022**, 12, 1841
- 5 Crystallographic characterization and application of copper doped hydroxyapatite as a biomaterial.
- 4 In vitro determination of the remineralizing potential and cytotoxicity of non-fluoride dental varnish containing bioactive glass, eggshell, and eggshell membrane.
- 3 Diagnosis and Assessment of Dental Caries Using Novel Bioactive Caries Detecting Dye Solution. **2023**, 11, 500
- 2 Analysis of Dental Enamel Remineralization: A Systematic Review of Technique Comparisons. **2023**, 10, 472
- 1 Carbonate environment changes with Na or K substitution in biomimetic apatites. **2023**, 29, 101795