

# Leo Tjderhane

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4798148/leo-tjaderhane-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

227  
papers

12,155  
citations

54  
h-index

105  
g-index

239  
ext. papers

13,914  
ext. citations

4.5  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
227	Gelatinolytic activity after dentin pretreatment with dimethyl sulfoxide (DMSO) combined to dental bonding systems: Perspectives for biological responses.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2022</b> , 130, 105188	4.1	0
226	Regional Variation in Restorative Treatment Need among Finnish Young People. <i>International Journal of Dentistry</i> , <b>2021</b> , 2021, 4852056	1.9	
225	Endodontic management of traumatized permanent teeth: a comprehensive review. <i>International Endodontic Journal</i> , <b>2021</b> , 54, 1221-1245	5.4	12
224	MMP Inhibitors and Dentin Bonding: Systematic Review and Meta-Analysis. <i>International Journal of Dentistry</i> , <b>2021</b> , 2021, 9949699	1.9	4
223	Survival of primary molars with pulpotomy interventions: public oral health practice-based study in Helsinki. <i>Acta Odontologica Scandinavica</i> , <b>2021</b> , 79, 636-641	2.2	0
222	European Society of Endodontology position statement: endodontic management of traumatized permanent teeth. <i>International Endodontic Journal</i> , <b>2021</b> , 54, 1473-1481	5.4	5
221	The pursuit of resin-dentin bond durability: Simultaneous enhancement of collagen structure and polymer network formation in hybrid layers. <i>Dental Materials</i> , <b>2021</b> , 37, 1083-1095	5.7	3
220	Association between dental factors and mortality. <i>International Endodontic Journal</i> , <b>2021</b> , 54, 672-681	5.4	6
219	The effect of chlorhexidine and dimethyl sulfoxide on long-term sealing ability of two calcium silicate cements in root canal. <i>Dental Materials</i> , <b>2021</b> , 37, 328-335	5.7	3
218	Dentifrices or gels containing MMP inhibitors prevent dentine loss: in situ studies. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 2183-2190	4.2	0
217	Incorporation of dimethyl sulfoxide into experimental hydrophilic and hydrophobic adhesive resins: evaluation of cytotoxic activities. <i>European Journal of Oral Sciences</i> , <b>2021</b> , 129, e12756	2.3	0
216	Quality and Findings of Bitewing Radiographs among Twenty-Year-Old Conscripts in Finland. <i>International Journal of Dentistry</i> , <b>2021</b> , 2021, 8894917	1.9	0
215	Dry bonding to dentin: Broadening the moisture spectrum and increasing wettability of etch-and-rinse adhesives. <i>Dental Materials</i> , <b>2021</b> , 37, 1676-1687	5.7	0
214	Low-Dose Doxycycline Treatment Normalizes Levels of Some Salivary Metabolites Associated with Oral Microbiota in Patients with Primary Sjögren's Syndrome. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	1
213	Consumption of snacks and dental caries among Finnish young men: a cross-sectional epidemiological study. <i>Odontology / the Society of the Nippon Dental University</i> , <b>2020</b> , 108, 486-492	3.6	3
212	Insights into cathepsin-B activity in mature dentin matrix. <i>Archives of Oral Biology</i> , <b>2020</b> , 117, 104830	2.8	1
211	Estimating molar-incisor-hypomineralization among 8-year-olds based on 15-year public oral health practice-based data. <i>Acta Odontologica Scandinavica</i> , <b>2020</b> , 78, 535-540	2.2	

210	Variability of salivary metabolite levels in patients with Sjögren's syndrome. <i>Journal of Oral Science</i> , <b>2020</b> , 63, 22-26	1.5	9
209	Influence of polar solvents on permeability, stiffness and collagen dissociation of demineralized dentin. <i>International Journal of Adhesion and Adhesives</i> , <b>2019</b> , 89, 148-153	3.4	1
208	Saliva and Serum Immune Responses in Apical Periodontitis. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	7
207	Modeling enamel matrix secretion in mammalian teeth. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007058;		8
206	Genome-Wide Association Study of Erosive Tooth Wear in a Finnish Cohort. <i>Caries Research</i> , <b>2019</b> , 53, 49-59	4.2	5
205	Dentin Basic Structure, Composition, and Function <b>2019</b> , 17-27		4
204	Association of dietary habits with restorative dental treatment need and BMI among Finnish conscripts: a cross-sectional epidemiological study. <i>Public Health Nutrition</i> , <b>2019</b> , 22, 3009-3016	3.3	2
203	Performance of Adhesives and Restorative Materials After Selective Removal of Carious Lesions: Restorative Materials with Anticaries Properties. <i>Dental Clinics of North America</i> , <b>2019</b> , 63, 715-729	3.3	7
202	The Effect of Chlorhexidine and Dimethyl Sulfoxide on Long-Term Microleakage of Two Different Sealers in Root Canals. <i>European Endodontic Journal</i> , <b>2019</b> , 4, 38-44	1.5	2
201	Incorporation of dimethyl sulfoxide to model adhesive resins with different hydrophilicities: Physico/mechanical properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 93, 143-150	4.1	6
200	Dentin-Pulp and Periodontal Anatomy and Physiology <b>2019</b> , 11-58		2
199	Inhibition of dentin matrix-bound cysteine cathepsins by potassium fluoride. <i>European Journal of Oral Sciences</i> , <b>2019</b> , 127, 1-9	2.3	4
198	Optimization of the etch-and-rinse technique: New perspectives to improve resin-dentin bonding and hybrid layer integrity by reducing residual water using dimethyl sulfoxide pretreatments. <i>Dental Materials</i> , <b>2018</b> , 34, 967-977	5.7	13
197	How proteolytic inhibitors interact with dentin on glass-fiber post luting over 6 months. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2018</b> , 79, 348-353	4.1	6
196	In situ analysis of gelatinolytic activity in human dentin. <i>Acta Histochemica</i> , <b>2018</b> , 120, 136-141	2	2
195	The types and management of dental trauma during military service in Finland. <i>Dental Traumatology</i> , <b>2018</b> , 34, 87-92	4.5	2
194	Survival of extensive restorations in primary molars: 15-year practice-based study. <i>International Journal of Paediatric Dentistry</i> , <b>2018</b> , 28, 249-256	3.1	8
193	European Society of Endodontology position statement: the use of antibiotics in endodontics. <i>International Endodontic Journal</i> , <b>2018</b> , 51, 20-25	5.4	72

192	Effect of various dimethyl sulfoxide concentrations on the durability of dentin bonding and hybrid layer quality. <i>Dental Materials Journal</i> , <b>2018</b> , 37, 501-505	2.5	7
191	A microCT Study of Three-Dimensional Patterns of Biomineralization in Pig Molars. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 71	4.6	6
190	Dentin bonding systems: From dentin collagen structure to bond preservation and clinical applications. <i>Dental Materials</i> , <b>2018</b> , 34, 78-96	5.7	146
189	A novel dry-bonding approach to reduce collagen degradation and optimize resin-dentin interfaces. <i>Scientific Reports</i> , <b>2018</b> , 8, 16890	4.9	16
188	Biochemical and immunohistochemical identification of MMP-7 in human dentin. <i>Journal of Dentistry</i> , <b>2018</b> , 79, 90-95	4.8	4
187	Effect of calcium fluoride on the activity of dentin matrix-bound enzymes. <i>Archives of Oral Biology</i> , <b>2018</b> , 96, 162-168	2.8	4
186	Microtensile bond strength to phosphoric acid-etched dentin treated with NaF, KF and CaF <sub>2</sub> . <i>International Journal of Adhesion and Adhesives</i> , <b>2018</b> , 85, 337-343	3.4	0
185	2-Hydroxyisocaproic acid is bactericidal in human dental root canals ex vivo. <i>International Endodontic Journal</i> , <b>2017</b> , 50, 455-463	5.4	9
184	Is a Basic Erosive Wear Examination (BEWE) reliable for recording erosive tooth wear on 3D models?. <i>Journal of Dentistry</i> , <b>2017</b> , 59, 26-32	4.8	10
183	Postradiation Matrix Metalloproteinase-20 Expression and Its Impact on Dental Micromorphology and Radiation-Related Caries. <i>Caries Research</i> , <b>2017</b> , 51, 216-224	4.2	17
182	Substantivity of Carbodiimide Inhibition on Dentinal Enzyme Activity over Time. <i>Journal of Dental Research</i> , <b>2017</b> , 96, 902-908	8.1	20
181	Exostosin 1 is expressed in human odontoblasts. <i>Archives of Oral Biology</i> , <b>2017</b> , 80, 175-179	2.8	1
180	Effect of dimethyl sulfoxide on dentin collagen. <i>Dental Materials</i> , <b>2017</b> , 33, 915-922	5.7	24
179	Antibiotics in Endodontics: a review. <i>International Endodontic Journal</i> , <b>2017</b> , 50, 1169-1184	5.4	65
178	Co-distribution of cysteine cathepsins and matrix metalloproteases in human dentin. <i>Archives of Oral Biology</i> , <b>2017</b> , 74, 101-107	2.8	19
177	PAR-1 and PAR-2 Expression Is Enhanced in Inflamed Odontoblast Cells. <i>Journal of Dental Research</i> , <b>2017</b> , 96, 1518-1525	8.1	10
176	Profiling of smokers and snufflers among young Finnish men - cross-sectional epidemiological study. <i>Acta Odontologica Scandinavica</i> , <b>2017</b> , 75, 577-583	2.2	3
175	Role of Proteolytic Enzyme Inhibitors on Carious and Eroded Dentin Associated With a Universal Bonding System. <i>Operative Dentistry</i> , <b>2017</b> , 42, E188-E196	2.9	22

174	Effect of pH on dentin protease inactivation by carbodiimide. <i>European Journal of Oral Sciences</i> , <b>2017</b> , 125, 288-293	2.3	4
173	Prevalence of Temporomandibular Disorder Symptoms and Their Association with Alcohol and Smoking Habits. <i>Journal of Oral and Facial Pain and Headache</i> , <b>2017</b> , 31, 30-36	2.5	10
172	Influence of dimethyl sulfoxide used as a solvent on the physical properties and long-term dentin bonding of hydrophilic resins. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2016</b> , 64, 220-84.1	4.1	15
171	Microbiology of Root Canal Infections. <i>Primary Dental Journal</i> , <b>2016</b> , 5, 84-89	0.9	34
170	Dentin bond optimization using the dimethyl sulfoxide-wet bonding strategy: A 2-year in vitro study. <i>Dental Materials</i> , <b>2016</b> , 32, 1472-1481	5.7	20
169	Antimicrobial 2-hydroxyisocaproic acid and chlorhexidine resist inactivation by dentine. <i>International Endodontic Journal</i> , <b>2016</b> , 49, 352-60	5.4	4
168	Enzymatic isolation of viable human odontoblasts. <i>International Endodontic Journal</i> , <b>2016</b> , 49, 454-61	5.4	5
167	Comparison of simple screening criteria with the International Caries Detection and Assessment System classification in determining restorative treatment need. <i>International Dental Journal</i> , <b>2016</b> , 66, 63-70	2.2	3
166	Use of crosslinkers to inactivate dentin MMPs. <i>Dental Materials</i> , <b>2016</b> , 32, 423-32	5.7	45
165	Cytotoxicity and effect on protease activity of copolymer extracts containing catechin. <i>Archives of Oral Biology</i> , <b>2016</b> , 65, 66-71	2.8	11
164	Association of erosive tooth wear and dental caries in Northern Finland Birth Cohort 1966 - an epidemiological cross-sectional study. <i>BMC Oral Health</i> , <b>2016</b> , 17, 6	3.7	22
163	Preventive effect of toothpastes with MMP inhibitors on human dentine erosion and abrasion in vitro. <i>Journal of Applied Oral Science</i> , <b>2016</b> , 24, 61-6	3.3	16
162	NaF Inhibits Matrix-Bound Cathepsin-Mediated Dentin Matrix Degradation. <i>Caries Research</i> , <b>2016</b> , 50, 124-32	4.2	19
161	Collagen degradation and preservation of MMP-8 activity in human dentine matrix after demineralization. <i>Archives of Oral Biology</i> , <b>2016</b> , 68, 66-72	2.8	15
160	Influence of Intrinsic Factors on Erosive Tooth Wear in a Large-Scale Epidemiological Study. <i>Caries Research</i> , <b>2016</b> , 50, 508-516	4.2	21
159	Association of Endodontic Lesions with Coronary Artery Disease. <i>Journal of Dental Research</i> , <b>2016</b> , 95, 1358-1365	8.1	51
158	Effect of dimethyl sulfoxide wet-bonding technique on hybrid layer quality and dentin bond strength. <i>Dental Materials</i> , <b>2015</b> , 31, 676-83	5.7	27
157	Role of host-derived proteinases in dentine caries and erosion. <i>Caries Research</i> , <b>2015</b> , 49 Suppl 1, 30-7	4.2	43

156	Cytotoxicity of dimethyl sulfoxide (DMSO) in direct contact with odontoblast-like cells. <i>Dental Materials</i> , <b>2015</b> , 31, 399-405	5.7	43
155	Matrix metalloproteinases and other matrix proteinases in relation to cariology: the era of dentin degradomics. <i>Caries Research</i> , <b>2015</b> , 49, 193-208	4.2	83
154	Effect of ultraviolet A-induced crosslinking on dentin collagen matrix. <i>Dental Materials</i> , <b>2015</b> , 31, 1225-31	3.7	11
153	The role of matrix metalloproteinases and cysteine-cathepsins on the progression of dentine erosion. <i>Archives of Oral Biology</i> , <b>2015</b> , 60, 1340-5	2.8	26
152	Chemical, microbial, and host-related factors: effects on the integrity of dentin and the dentin-biomaterial interface. <i>Endodontic Topics</i> , <b>2015</b> , 33, 50-72		0
151	Smoking, alcohol use, socioeconomic background and oral health among young Finnish adults. <i>Community Dentistry and Oral Epidemiology</i> , <b>2015</b> , 43, 406-14	2.8	25
150	LEO TJD ERHANE, DDS, PHD, Professor and Discipline Chair, Department of Oral and Maxillofacial Diseases, Faculty of Medicine, University of Helsinki, Helsinki, Finland. <i>Endodontic Topics</i> , <b>2015</b> , 33, 197-197		
149	Caries correlates strongly to salivary levels of matrix metalloproteinase-8. <i>Caries Research</i> , <b>2015</b> , 49, 1-8	4.2	32
148	The statistical reporting quality of articles published in 2010 in five dental journals. <i>Acta Odontologica Scandinavica</i> , <b>2015</b> , 73, 76-80	2.2	14
147	Role of dentin MMPs in caries progression and bond stability. <i>Journal of Dental Research</i> , <b>2015</b> , 94, 241-51	5.1	165
146	Dentin bonding: can we make it last?. <i>Operative Dentistry</i> , <b>2015</b> , 40, 4-18	2.9	104
145	Can quaternary ammonium methacrylates inhibit matrix MMPs and cathepsins?. <i>Dental Materials</i> , <b>2015</b> , 31, e25-32	5.7	49
144	Effect of Sodium Fluoride on the endogenous MMP Activity of Dentin Matrices. <i>Journal of Nature and Science</i> , <b>2015</b> , 1,		4
143	A data-based study on survival of permanent molar restorations in adolescents. <i>Acta Odontologica Scandinavica</i> , <b>2014</b> , 72, 380-5	2.2	5
142	2-hydroxyisocaproic acid is fungicidal for <i>Candida</i> and <i>Aspergillus</i> species. <i>Mycoses</i> , <b>2014</b> , 57, 214-21	5.2	31
141	Dental traumas during the military service. <i>Dental Traumatology</i> , <b>2014</b> , 30, 182-7	4.5	4
140	Abundance of MMPs and cysteine cathepsins in caries-affected dentin. <i>Journal of Dental Research</i> , <b>2014</b> , 93, 269-74	8.1	95
139	Sodium fluoride inhibits MMP-2 and MMP-9. <i>Journal of Dental Research</i> , <b>2014</b> , 93, 74-7	8.1	53

138	The origin of matrix metalloproteinases in attrited dentine. <i>Archives of Oral Biology</i> , <b>2014</b> , 59, 233-5	2.8	1
137	Inhibition of endogenous human dentin MMPs by Gluma. <i>Dental Materials</i> , <b>2014</b> , 30, 752-8	5.7	18
136	Grape seed extracts inhibit dentin matrix degradation by MMP-3. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 425	4.6	20
135	Association of smoking and snuffing with dental caries occurrence in a young male population in Finland: a cross-sectional study. <i>Acta Odontologica Scandinavica</i> , <b>2014</b> , 72, 1017-24	2.2	16
134	Dietary and oral hygiene habits of active athletes and adolescents attending ordinary junior high schools. <i>International Journal of Paediatric Dentistry</i> , <b>2014</b> , 24, 358-66	3.1	7
133	Mature human odontoblasts express virus-recognizing toll-like receptors. <i>International Endodontic Journal</i> , <b>2014</b> , 47, 934-41	5.4	10
132	The importance of size-exclusion characteristics of type I collagen in bonding to dentin matrices. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 9522-8	10.8	45
131	Caries experience in primary teeth of four birth cohorts: a practice-based study. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , <b>2013</b> , 14, 59-64	2.7	2
130	Strategies to prevent hydrolytic degradation of the hybrid layer-A review. <i>Dental Materials</i> , <b>2013</b> , 29, 999-1011	5.7	248
129	The role of unfinished root canal treatment in odontogenic maxillofacial infections requiring hospital care. <i>Clinical Oral Investigations</i> , <b>2013</b> , 17, 113-21	4.2	20
128	Tooth bleaching increases dentinal protease activity. <i>Journal of Dental Research</i> , <b>2013</b> , 92, 187-92	8.1	48
127	Evaluating performance of dental caries detection methods among third-year dental students. <i>BMC Oral Health</i> , <b>2013</b> , 13, 70	3.7	10
126	Survival of primary molar restorations in four birth cohorts-A retrospective, practice-based study. <i>Acta Odontologica Scandinavica</i> , <b>2013</b> , 71, 1418-22	2.2	4
125	Prevalence and polarization of dental caries among young, healthy adults: Cross-sectional epidemiological study. <i>Acta Odontologica Scandinavica</i> , <b>2013</b> , 71, 1436-42	2.2	27
124	Polarity of mature human odontoblasts. <i>Journal of Dental Research</i> , <b>2013</b> , 92, 1011-6	8.1	19
123	Effect of carbodiimide (EDC) on the bond stability of etch-and-rinse adhesive systems. <i>Dental Materials</i> , <b>2013</b> , 29, 1040-7	5.7	69
122	In situ study of the gelatinase activity in demineralized dentin from rat molar teeth. <i>Acta Histochemica</i> , <b>2013</b> , 115, 245-51	2	13
121	The effect of dimethyl sulfoxide (DMSO) on dentin bonding and nanoleakage of etch-and-rinse adhesives. <i>Dental Materials</i> , <b>2013</b> , 29, 1055-62	5.7	47

120	Geographical distribution of dental caries prevalence and associated factors in young adults in Finland. <i>Caries Research</i> , <b>2013</b> , 47, 346-54	4.2	30
119	Optimizing dentin bond durability: control of collagen degradation by matrix metalloproteinases and cysteine cathepsins. <i>Dental Materials</i> , <b>2013</b> , 29, 116-35	5.7	285
118	Expression of matrix metalloproteinase-13 in odontoblast-like cells. <i>International Endodontic Journal</i> , <b>2013</b> , 46, 1006-7	5.4	
117	Effect of phosphoric acid on the degradation of human dentin matrix. <i>Journal of Dental Research</i> , <b>2013</b> , 92, 87-91	8.1	74
116	Dentin matrix degradation by host matrix metalloproteinases: inhibition and clinical perspectives toward regeneration. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 308	4.6	32
115	Review of 36,537 patient records for tooth health and longevity of dental restorations. <i>Caries Research</i> , <b>2013</b> , 47, 309-17	4.2	14
114	The expression and role of Lysyl oxidase (LOX) in dentinogenesis. <i>International Endodontic Journal</i> , <b>2013</b> , 46, 581-9	5.4	2
113	Effects of etch-and-rinse and self-etch adhesives on dentin MMP-2 and MMP-9. <i>Journal of Dental Research</i> , <b>2013</b> , 92, 82-6	8.1	111
112	Outcome of a Community-Based Oral Health Promotion Project on Primary Schoolchildren@ Oral Hygiene Habits. <i>International Journal of Dentistry</i> , <b>2013</b> , 2013, 485741	1.9	9
111	A practice-based study on the effect of a short sucrose/xylitol exposure on survival of primary teeth caries free. <i>International Journal of Paediatric Dentistry</i> , <b>2012</b> , 22, 356-62	3.1	4
110	Chlorhexidine inhibits the activity of dental cysteine cathepsins. <i>Journal of Dental Research</i> , <b>2012</b> , 91, 420-5	8.1	145
109	2-Hydroxyisocaproic acid (HICA): a new potential topical antibacterial agent. <i>International Journal of Antimicrobial Agents</i> , <b>2012</b> , 39, 539-40	14.3	22
108	One year effect of chlorhexidine on bonding of fibre-reinforced composite root canal post to dentine. <i>Journal of Dentistry</i> , <b>2012</b> , 40, 718-22	4.8	29
107	The use of time-to-event methods in dental research: a comparison based on five dental journals over a 11-year period. <i>Community Dentistry and Oral Epidemiology</i> , <b>2012</b> , 40 Suppl 1, 36-42	2.8	8
106	Inflammatory mediators in fluid extracted from the coronal occlusal dentine of trimmed teeth. <i>Archives of Oral Biology</i> , <b>2012</b> , 57, 264-70	2.8	9
105	MMP activity in the hybrid layer detected with in situ zymography. <i>Journal of Dental Research</i> , <b>2012</b> , 91, 467-72	8.1	130
104	A methodological pilot study on oral health of young, healthy males. <i>Dental Hypotheses</i> , <b>2012</b> , 3, 106	0.6	8
103	Endodontic-related paresthesia: a case report and literature review. <i>Journal of Endodontics</i> , <b>2011</b> , 37, 1460-4	4.7	21



102	Immunohistochemical and biochemical assay of MMP-3 in human dentine. <i>Journal of Dentistry</i> , <b>2011</b> , 39, 231-7	4.8	64
101	MMP-2 assay within the hybrid layer created by a two-step etch-and-rinse adhesive: biochemical and immunohistochemical analysis. <i>Journal of Dentistry</i> , <b>2011</b> , 39, 470-7	4.8	43
100	Reduced expression of lipopolysaccharide-induced CXC chemokine in Porphyromonas gingivalis-induced experimental periodontitis in matrix metalloproteinase-8 null mice. <i>Journal of Periodontal Research</i> , <b>2011</b> , 46, 58-66	4.3	39
99	State of the art etch-and-rinse adhesives. <i>Dental Materials</i> , <b>2011</b> , 27, 1-16	5.7	59 <sup>1</sup>
98	Inhibition of MMPs by alcohols. <i>Dental Materials</i> , <b>2011</b> , 27, 926-33	5.7	37
97	Cysteine cathepsins in human carious dentin. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 506-11	8.1	160
96	Limitations in bonding to dentin and experimental strategies to prevent bond degradation. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 953-68	8.1	398
95	Asthma and caries: a systematic review and meta-analysis. <i>American Journal of Epidemiology</i> , <b>2011</b> , 174, 631-41	3.8	51
94	Activity of matrix metalloproteinases in bovine versus human dentine. <i>Caries Research</i> , <b>2011</b> , 45, 429-34	4.2	21
93	Effect of UVA-activated riboflavin on dentin bonding. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 1439-45	8.1	99
92	Long-term sealing ability of resin-based root canal fillings. <i>International Endodontic Journal</i> , <b>2010</b> , 43, 455-60	5.4	40
91	Effect of iron on matrix metalloproteinase inhibition and on the prevention of dentine erosion. <i>Caries Research</i> , <b>2010</b> , 44, 309-16	4.2	44
90	High-throughput gene and protein expression analysis in pulp biologic research: review. <i>Journal of Endodontics</i> , <b>2010</b> , 36, 179-89	4.7	12
89	Cysteine cathepsins in human dentin-pulp complex. <i>Journal of Endodontics</i> , <b>2010</b> , 36, 475-81	4.7	174
88	Effect of chlorhexidine on initial adhesion of fiber-reinforced post to root canal. <i>Journal of Dentistry</i> , <b>2010</b> , 38, 796-801	4.8	56
87	Implication of ethanol wet-bonding in hybrid layer remineralization. <i>Journal of Dental Research</i> , <b>2010</b> , 89, 575-80	8.1	35
86	Chlorhexidine stabilizes the adhesive interface: a 2-year in vitro study. <i>Dental Materials</i> , <b>2010</b> , 26, 320-5	5.7	250
85	One-year stability of resin-dentin bonds created with a hydrophobic ethanol-wet bonding technique. <i>Dental Materials</i> , <b>2010</b> , 26, 380-6	5.7	79

84	Use of a specific MMP-inhibitor (galardin) for preservation of hybrid layer. <i>Dental Materials</i> , <b>2010</b> , 26, 571-8	5.7	146
83	Chlorhexidine binding to mineralized versus demineralized dentin powder. <i>Dental Materials</i> , <b>2010</b> , 26, 771-8	5.7	101
82	Substantivity of chlorhexidine to human dentin. <i>Dental Materials</i> , <b>2010</b> , 26, 779-85	5.7	138
81	The requirement of zinc and calcium ions for functional MMP activity in demineralized dentin matrices. <i>Dental Materials</i> , <b>2010</b> , 26, 1059-67	5.7	175
80	Proprietary solvent enhances dentin wettability. <i>Dental Materials</i> , <b>2010</b> , 26, e12-e13	5.7	7
79	A escolha do teste estatístico - um tutorial em forma de apresentação em PowerPoint. <i>Dental Press Journal of Orthodontics</i> , <b>2010</b> , 15, 101-106	1.3	12
78	Local and systemic responses in matrix metalloproteinase 8-deficient mice during <i>Porphyromonas gingivalis</i> -induced periodontitis. <i>Infection and Immunity</i> , <b>2009</b> , 77, 850-9	3.7	131
77	Effect of 2% chlorhexidine digluconate on the bond strength to normal versus caries-affected dentin. <i>Operative Dentistry</i> , <b>2009</b> , 34, 157-65	2.9	77
76	Chlorhexidine Inhibits the Proteolytic Activity of Root and Coronal Carious Dentin in vitro. <i>Caries Research</i> , <b>2009</b> , 43, 92-6	4.2	15
75	The dentin-pulp border: a dynamic interface between hard and soft tissues. <i>Endodontic Topics</i> , <b>2009</b> , 20, 52-84		21
74	A review of the nature, role, and function of dentin non-collagenous proteins. Part II: enzymes, serum proteins, and growth factors. <i>Endodontic Topics</i> , <b>2009</b> , 21, 19-40		27
73	Dentin basic structure and composition - an overview. <i>Endodontic Topics</i> , <b>2009</b> , 20, 3-29		67
72	A review of the nature, role, and function of dentin non-collagenous proteins. Part 1: proteoglycans and glycoproteins. <i>Endodontic Topics</i> , <b>2009</b> , 21, 1-18		19
71	Dentin as a bonding substrate. <i>Endodontic Topics</i> , <b>2009</b> , 21, 62-88		15
70	General expression profiles of human native odontoblasts and pulp-derived cultured odontoblast-like cells are similar but reveal differential neuropeptide expression levels. <i>Archives of Oral Biology</i> , <b>2009</b> , 54, 55-62	2.8	18
69	Immunohistochemical identification of MMP-2 and MMP-9 in human dentin: correlative FEI-SEM/TEM analysis. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 88, 697-703	5.4	92
68	Healing of extraction sockets in collagenase-2 (matrix metalloproteinase-8)-deficient mice. <i>European Journal of Oral Sciences</i> , <b>2009</b> , 117, 248-54	2.3	24
67	Determination of matrix metalloproteinases in human radicular dentin. <i>Journal of Endodontics</i> , <b>2009</b> , 35, 686-9	4.7	82

66	The role of matrix metalloproteinases and their inhibitors in root fracture resistance remains unknown. <i>Dental Traumatology</i> , <b>2009</b> , 25, 142-3	4.5	3
65	Host-derived loss of dentin matrix stiffness associated with solubilization of collagen. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 90, 373-80	3.5	79
64	The expression of myoglobin and ROR2 protein in Dupuytren's disease. <i>Journal of Surgical Research</i> , <b>2008</b> , 146, 271-5	2.5	15
63	Comparative gene expression profile analysis between native human odontoblasts and pulp tissue. <i>International Endodontic Journal</i> , <b>2008</b> , 41, 117-27	5.4	24
62	Chlorhexidine preserves dentin bond in vitro. <i>Journal of Dental Research</i> , <b>2007</b> , 86, 90-4	8.1	302
61	The role of matrix metalloproteinases in the oral environment. <i>Acta Odontologica Scandinavica</i> , <b>2007</b> , 65, 1-13	2.2	245
60	Effectiveness of low-dose doxycycline (LDD) on clinical symptoms of Sjögren's syndrome: a randomized, double-blind, placebo controlled cross-over study. <i>Journal of Negative Results in Biomedicine</i> , <b>2007</b> , 6, 11		19
59	The effect of chemical inhibition of matrix metalloproteinases on the size of experimentally induced apical periodontitis. <i>International Endodontic Journal</i> , <b>2007</b> , 40, 282-9	5.4	24
58	The origin of enamel fluid. <i>European Journal of Oral Sciences</i> , <b>2007</b> , 115, 522-3; author reply 523-4	2.3	
57	<i>Candida albicans</i> does not invade carious human dentine. <i>Oral Diseases</i> , <b>2007</b> , 13, 279-84	3.5	18
56	Matrix metalloproteinase-8 (MMP-8) is the major collagenase in human dentin. <i>Archives of Oral Biology</i> , <b>2007</b> , 52, 121-7	2.8	226
55	In vivo preservation of the hybrid layer by chlorhexidine. <i>Journal of Dental Research</i> , <b>2007</b> , 86, 529-33	8.1	401
54	Effects of TGF-beta 1 on interleukin profile of human dental pulp and odontoblasts. <i>Cytokine</i> , <b>2007</b> , 40, 44-51	4	20
53	Collagen XVIII modulation is altered during progression of oral dysplasia and carcinoma. <i>Journal of Oral Pathology and Medicine</i> , <b>2007</b> , 36, 35-42	3.3	10
52	Degradation of resin-bonded human dentin after 3 years of storage. <i>American Journal of Dentistry</i> , <b>2007</b> , 20, 109-13	1.3	30
51	Reactivation of inactivated endogenous proteolytic activities in phosphoric acid-etched dentine by etch-and-rinse adhesives. <i>Biomaterials</i> , <b>2006</b> , 27, 4470-6	15.6	283
50	Matrix metalloproteinases: contribution to pathogenesis, diagnosis and treatment of periodontal inflammation. <i>Annals of Medicine</i> , <b>2006</b> , 38, 306-21	1.5	465
49	Activation of gelatinolytic/collagenolytic activity in dentin by self-etching adhesives. <i>European Journal of Oral Sciences</i> , <b>2006</b> , 114, 160-6	2.3	257

48	Chlorhexidine arrests subclinical degradation of dentin hybrid layers in vivo. <i>Journal of Dental Research</i> , <b>2005</b> , 84, 741-6	8.1	393
47	Analysis of gene and protein expression in healthy and carious tooth pulp with cDNA microarray and two-dimensional gel electrophoresis. <i>European Journal of Oral Sciences</i> , <b>2005</b> , 113, 369-79	2.3	28
46	Mechanical stability of resin-dentin bond components. <i>Dental Materials</i> , <b>2005</b> , 21, 232-41	5.7	98
45	Matrix metalloproteinases (MMPs) in oral diseases. <i>Oral Diseases</i> , <b>2004</b> , 10, 311-8	3.5	424
44	Matrix metalloproteinase-13 (MMP-13, collagenase-3) is highly expressed in human tooth pulp. <i>Connective Tissue Research</i> , <b>2004</b> , 45, 231-7	3.3	37
43	Expression of collagen XVIII and MMP-20 in developing teeth and odontogenic tumors. <i>Matrix Biology</i> , <b>2004</b> , 23, 153-61	11.4	20
42	Physical and chemical properties of chlorhexidine and calcium hydroxide-containing medications. <i>Journal of Endodontics</i> , <b>2004</b> , 30, 413-7	4.7	41
41	The benefit of the operating microscope for access cavity preparation by undergraduate students. <i>Journal of Endodontics</i> , <b>2004</b> , 30, 863-7	4.7	32
40	Laminin-5 gamma 2 chain is colocalized with gelatinase-A (MMP-2) and collagenase-3 (MMP-13) in odontogenic keratocysts. <i>Journal of Oral Pathology and Medicine</i> , <b>2003</b> , 32, 100-7	3.3	28
39	Expression profile of matrix metalloproteinases (MMPs) and tissue inhibitors of MMPs in mature human odontoblasts and pulp tissue. <i>European Journal of Oral Sciences</i> , <b>2003</b> , 111, 117-27	2.3	125
38	Examination on <i>Candida</i> spp. in refractory periapical granulomas. <i>International Endodontic Journal</i> , <b>2003</b> , 36, 643-7	5.4	12
37	Periapical inflammation affecting coronally-inoculated dog teeth with root fillings augmented by white MTA orifice plugs. <i>Journal of Endodontics</i> , <b>2003</b> , 29, 442-6	4.7	41
36	Efficacy of chlorhexidine- and calcium hydroxide-containing medicaments against <i>Enterococcus faecalis</i> in vitro. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2003</b> , 96, 618-24		106
35	Effect of dietary carbamyl phosphate on dentine apposition in rat molars. <i>Archives of Oral Biology</i> , <b>2002</b> , 47, 147-53	2.8	3
34	The relationship between MMPs and pH in whole saliva of radiated head and neck cancer patients. <i>Journal of Oral Pathology and Medicine</i> , <b>2002</b> , 31, 329-38	3.3	24
33	Matrix metalloproteinase-8 (MMP-8) in pulpal and periapical inflammation and periapical root-canal exudates. <i>International Endodontic Journal</i> , <b>2002</b> , 35, 897-904	5.4	81
32	The mechanism of pulpal wound healing. <i>Australian Endodontic Journal</i> , <b>2002</b> , 28, 68-74	1.7	15
31	The localization of matrix metalloproteinase-20 (MMP-20, enamelysin) in mature human teeth. <i>Journal of Dental Research</i> , <b>2002</b> , 81, 603-7	8.1	136

30	Regulation and interactions of MT1-MMP and MMP-20 in human odontoblasts and pulp tissue in vitro. <i>Journal of Dental Research</i> , <b>2002</b> , 81, 354-9	8.1	38
29	The effect of a high-sucrose diet on dentin formation and dental caries in hyperinsulinemic rats. <i>Journal of Dental Research</i> , <b>2002</b> , 81, 536-40	8.1	3
28	Parotid gland function and dentin apposition in rat molars. <i>Journal of Dental Research</i> , <b>2002</b> , 81, 259-64	8.1	8
27	Substantive antimicrobial activity in chlorhexidine-treated human root dentin. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2002</b> , 94, 240-5		117
26	Baseline expression and effect of TGF- $\beta$ on Type I and III collagen mRNA and protein synthesis in human odontoblasts and pulp cells In Vitro. <i>Calcified Tissue International</i> , <b>2001</b> , 68, 122-129	3.9	19
25	Expression and induction of collagenases (MMP-8 and -13) in plasma cells associated with bone-destructive lesions. <i>Journal of Pathology</i> , <b>2001</b> , 194, 217-24	9.4	95
24	Human odontoblast culture method: the expression of collagen and matrix metalloproteinases (MMPs). <i>Advances in Dental Research</i> , <b>2001</b> , 15, 55-8	2.3	39
23	Matrix metalloproteinases in mild and severe temporomandibular joint internal derangement synovial fluid. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2001</b> , 91, 517-25		42
22	The effects of high levels of glucose and insulin on type I collagen synthesis in mature human odontoblasts and pulp tissue in vitro. <i>Advances in Dental Research</i> , <b>2001</b> , 15, 72-5	2.3	14
21	High-sucrose diet reduces defensive reactions of the pulpo-dentinal complex to dentinal caries in young rats. <i>Acta Odontologica Scandinavica</i> , <b>2001</b> , 59, 83-7	2.2	2
20	The effects of MMP inhibitors on human salivary MMP activity and caries progression in rats. <i>Journal of Dental Research</i> , <b>2001</b> , 80, 1545-9	8.1	128
19	Baseline expression and effect of TGF-beta 1 on type I and III collagen mRNA and protein synthesis in human odontoblasts and pulp cells in vitro. <i>Calcified Tissue International</i> , <b>2001</b> , 68, 122-9	3.9	3
18	The expression of MMP-8 in human odontoblasts and dental pulp cells is down-regulated by TGF-beta1. <i>Journal of Dental Research</i> , <b>2000</b> , 79, 77-84	8.1	122
17	The effect of MMP inhibitor metastat on fissure caries progression in rats. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 878, 686-8	6.5	31
16	A novel organ culture method to study the function of human odontoblasts in vitro: gelatinase expression by odontoblasts is differentially regulated by TGF-beta1. <i>Journal of Dental Research</i> , <b>1998</b> , 77, 1486-96	8.1	71
15	The activation and function of host matrix metalloproteinases in dentin matrix breakdown in caries lesions. <i>Journal of Dental Research</i> , <b>1998</b> , 77, 1622-9	8.1	428
14	A high sucrose diet decreases the mechanical strength of bones in growing rats. <i>Journal of Nutrition</i> , <b>1998</b> , 128, 1807-10	4.1	30
13	Greater concentration of dietary sucrose decreases dentin formation and increases the area of dentinal caries in growing rats. <i>Journal of Nutrition</i> , <b>1997</b> , 127, 2226-30	4.1	9

12	Effect of low-dose glucocorticoid treatment on dentin formation and dentinal caries in rats. <i>Acta Odontologica Scandinavica</i> , <b>1996</b> , 54, 282-6	2.2	5
11	Effect of xylitol on dentin formation in molars of adult rats. <i>European Journal of Oral Sciences</i> , <b>1996</b> , 104, 409-11	2.3	
10	Human neutrophil gelatinase and associated lipocalin in adult and localized juvenile periodontitis. <i>Journal of Dental Research</i> , <b>1996</b> , 75, 1553-63	8.1	97
9	Morphological analysis of dentine formation in young rat molars during the recovery phase with calcium alone or combined with xylitol following a low-calcium dietary regimen. <i>Archives of Oral Biology</i> , <b>1995</b> , 40, 707-11	2.8	10
8	Mineral element analysis of carious and sound rat dentin by electron probe microanalyzer combined with back-scattered electron image. <i>Journal of Dental Research</i> , <b>1995</b> , 74, 1770-4	8.1	28
7	Leaving the pulp chamber open for drainage has no effect on the complications of root canal therapy. <i>International Endodontic Journal</i> , <b>1995</b> , 28, 82-5	5.4	8
6	Tetracyclines in treatment of rheumatoid arthritis. <i>Lancet, The</i> , <b>1995</b> , 346, 645-6	4.0	42
5	Effect of sucrose and xylitol diets on dentin formation and caries in rat molars. <i>European Journal of Oral Sciences</i> , <b>1995</b> , 103, 166-71	2.3	13
4	Reduction in dentine apposition in rat molars by a high-sucrose diet. <i>Archives of Oral Biology</i> , <b>1994</b> , 39, 491-5	2.8	28
3	Dentin caries recording with Schiff's reagent, fluorescence, and back-scattered electron image. <i>Journal of Dental Research</i> , <b>1993</b> , 72, 1588-92	8.1	28
2	Evaluation of Gram's method of staining for the prognosis of root canal treatment in nonvital dental pulps. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , <b>1993</b> , 76, 91-6		5
1	The effect of phenytoin medication on dentin apposition, root length, and caries progression in rat molars. <i>Acta Odontologica Scandinavica</i> , <b>1992</b> , 50, 345-50	2.2	12