Manuel Toledano

List of Publications by Citations

239 papers	7,619 citations	50 h-index	74 g-index
245 ext. papers	8,595 ext. citations	4.1 avg, IF	5.81 L-index

#	Paper	IF	Citations
239	Reactivation of inactivated endogenous proteolytic activities in phosphoric acid-etched dentine by etch-and-rinse adhesives. *Biomaterials*, **2006**, 27, 4470-6	15.6	283
238	Reversal of compromised bonding to oxidized etched dentin. *Journal of Dental Research*, **2001**, 80, 1919-24	4.1	211
237	Limited decalcification/diffusion of self-adhesive cements into dentin. *Journal of Dental Research*, **2008**, 87, 974-9	8.1	183
236	Reversal of compromised bonding in bleached enamel. *Journal of Dental Research*, **2002**, 81, 477-81	8.1	162
235	Influence of surface treatments and resin cement selection on bonding to densely-sintered zirconium-oxide ceramic. *Dental Materials*, **2009**, 25, 172-9	5.7	148
234	Mechanical properties of visible light-cured resins reinforced with hydroxyapatite for dental restoration. *Dental Materials*, **2002**, 18, 49-57	5.7	129
233	Bonding to Er-YAG-laser-treated Dentin. *Journal of Dental Research*, **2002**, 81, 119-122	8.1	120
232	Influence of different surface treatments on surface zirconia frameworks. *Journal of Dentistry*, **2009**, 37, 891-7	4.8	118
231	Microleakage of composite restorations after acid or Er-YAG laser cavity treatments. *Dental Materials*, **2001**, 17, 340-6	5.7	117
230	Effect of water aging on microtensile bond strength of dual-cured resin cements to pre-treated sintered zirconium-oxide ceramics. *Dental Materials*, **2009**, 25, 392-9	5.7	112
229	Effect of simulated pulpal pressure on dentin permeability and adhesion of self-etch adhesives. *Dental Materials*, **2007**, 23, 705-13	5.7	112
228	Effect of dentin etching and chlorhexidine application on metalloproteinase-mediated collagen degradation. *European Journal of Oral Sciences*, **2011**, 119, 79-85	2.3	109
227	Zinc reduces collagen degradation in demineralized human dentin explants. *Journal of Dentistry*, **2011**, 39, 148-53	4.8	103
226	Sorption and solubility of resin-based restorative dental materials. *Journal of Dentistry*, **2003**, 31, 43-50	4.8	103
225	Durability of resin-dentin bonds: effects of direct/indirect exposure and storage media. *Dental Materials*, **2007**, 23, 885-92	5.7	100
224	Surface treatments for improving bond strength to prefabricated fiber posts: a literature review. *Operative Dentistry*, **2008**, 33, 346-55	2.9	97
223	Therapeutic effects of novel resin bonding systems containing bioactive glasses on mineral-depleted areas within the bonded-dentine interface. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 1521-32	4.5	86

222	Post-surface conditioning improves interfacial adhesion in post/core restorations. *Dental Materials*, **2006**, 22, 602-9	5.7	84
221	Acid-etching and hydration influence on dentin roughness and wettability. *Journal of Dental Research*, **1999**, 78, 1554-9	8.1	81
220	Microtensile bond strength of total-etch and self-etching adhesives to caries-affected dentine. *Journal of Dentistry*, **2003**, 31, 469-77	4.8	80
219	Influence of self-etching primer on the resin adhesion to enamel and dentin. *American Journal of Dentistry*, **2001**, 14, 205-10	1.3	78
218	Histomorphologic characterization and bond strength evaluation of caries-affected dentin/resin interfaces: effects of long-term water exposure. *Dental Materials*, **2008**, 24, 786-98	5.7	77
217	Effect of simulated pulpal pressure on self-adhesive cements bonding to dentin. *Dental Materials*, **2008**, 24, 1156-63	5.7	73
216	Effect of temperature on the silane coupling agents when bonding core resin to quartz fiber posts. *Dental Materials*, **2006**, 22, 1024-8	5.7	73
215	Spatially resolved photopolymerization kinetics and oxygen inhibition in dental adhesives. *Biomaterials*, **2005**, 26, 1809-17	15.6	73
214	Incompatibility of self-etch adhesives with chemical/dual-cured composites: two-step vs one-step systems. *Operative Dentistry*, **2003**, 28, 747-55	2.9	72
213	Effect of curing protocol on the polymerization of dual-cured resin cements. *Dental Materials*, **2010**, 26, 710-8	5.7	70
212	A simple etching technique for improving the retention of fiber posts to resin composites. *Journal of Endodontics*, **2006**, 32, 44-7	4.7	70
211	Resistance of ten contemporary adhesives to resin-dentine bond degradation. *Journal of Dentistry*, **2008**, 36, 163-9	4.8	66
210	A Zn-doped etch-and-rinse adhesive may improve the mechanical properties and the integrity at the bonded-dentin interface. *Dental Materials*, **2013**, 29, e142-52	5.7	65
209	Polymerization efficacy of simplified adhesive systems studied by NMR and MRI techniques. *Dental Materials*, **2006**, 22, 963-72	5.7	63
208	Hydrolytic stability of experimental hydroxyapatite-filled dental composite materials. *Dental Materials*, **2003**, 19, 478-86	5.7	63
207	Morphological analysis of three zirconium oxide ceramics: Effect of surface treatments. *Dental Materials*, **2010**, 26, 751-60	5.7	62
206	EDTA treatment improves resin-dentin bondsSresistance to degradation. *Journal of Dental Research*, **2005**, 84, 736-40	8.1	62
205	A ZnO-doped adhesive reduced collagen degradation favouring dentine remineralization. *Journal of Dentistry*, **2012**, 40, 756-65	4.8	59

204	The dentine remineralization activity of a desensitizing bioactive glass-containing toothpaste: an in vitro study. *Australian Dental Journal*, **2011**, 56, 372-81	2.3	58
203	Zinc-inhibited MMP-mediated collagen degradation after different dentine demineralization procedures. *Caries Research*, **2012**, 46, 201-7	4.2	58
202	Influence of phosphoproteinsSbiomimetic analogs on remineralization of mineral-depleted resin-dentin interfaces created with ion-releasing resin-based systems. *Dental Materials*, **2015**, 31, 759-77	5.7	57
201	Microhardness of superficial and deep sound human dentin. *Journal of Biomedical Materials Research Part B*, **2003**, 66, 850-3		56
200	Effect of acid etching and collagen removal on dentin wettability and roughness. *Journal of Biomedical Materials Research Part B*, **1999**, 47, 198-203		56
199	Dental composites reinforced with hydroxyapatite: mechanical behavior and absorption/elution characteristics. *Journal of Biomedical Materials Research Part B*, **2001**, 56, 297-305		54
198	Resin-dentin bonds to EDTA-treated vs. acid-etched dentin using ethanol wet-bonding. *Dental Materials*, **2010**, 26, 368-79	5.7	53
197	Evaluation of two Bis-GMA analogues as potential monomer diluents to improve the mechanical properties of light-cured composite resins. *Dental Materials*, **2005**, 21, 823-30	5.7	53
196	Microtensile bond strength of several adhesive systems to different dentin depths. *American Journal of Dentistry*, **2003**, 16, 292-8	1.3	52
195	Ethanol wet-bonding technique sensitivity assessed by AFM. *Journal of Dental Research*, **2010**, 89, 1264-8	8.1	51
194	Differential expression of matrix metalloproteinase-2 in human coronal and radicular sound and carious dentine. *Journal of Dentistry*, **2010**, 38, 635-40	4.8	51
193	Differential effect of in vitro degradation on resin-dentin bonds produced by self-etch versus total-etch adhesives. *Journal of Biomedical Materials Research - Part A*, **2006**, 77, 128-35	5.4	51
192	Experimental resin cements containing bioactive fillers reduce matrix metalloproteinase-mediated dentin collagen degradation. *Journal of Endodontics*, **2012**, 38, 1227-32	4.7	50
191	Interaction of glass-ionomer cements with moist dentin. *Journal of Dental Research*, **2004**, 83, 283-9	8.1	50
190	Microleakage and interfacial morphology of self-etching adhesives in class V resin composite restorations. *Journal of Biomedical Materials Research Part B*, **2003**, 66, 399-409		50
189	Dentin regional bond strength of self-etch and total-etch adhesive systems. *Dental Materials*, **2007**, 23, 1542-8	5.7	49
188	Microleakage of Class V resin-modified glass ionomer and compomer restorations. *Journal of Prosthetic Dentistry*, **1999**, 81, 610-5	4	48
187	Effect of the hydration on the biomechanical properties in a fibrin-agarose tissue-like model. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 2573-82	5.4	47

186	EDTA or H3PO4/NaOCl dentine treatments may increase hybrid layersSresistance to degradation: a microtensile bond strength and confocal-micropermeability study. *Journal of Dentistry*, **2009**, 37, 279-88	4.8	47
185	Dentin wetting by four adhesive systems. *Dental Materials*, **2001**, 17, 526-32	5.7	47
184	Efficacy of two contemporary single-cone filling techniques in preventing bacterial leakage. *Journal of Endodontics*, **2007**, 33, 310-3	4.7	46
183	Zinc-doped dentin adhesive for collagen protection at the hybrid layer. *European Journal of Oral Sciences*, **2011**, 119, 401-10	2.3	45
182	Effect of cyclic loading on the microtensile bond strengths of total-etch and self-etch adhesives. *Operative Dentistry*, **2006**, 31, 25-32	2.9	45
181	Dynamic contact angle and spreading rate measurements for the characterization of the effect of dentin surface treatments. *Journal of Colloid and Interface Science*, **2003**, 263, 162-9	9.3	45
180	Dentin treatment effects on the bonding performance of self-adhesive resin cements. *European Journal of Oral Sciences*, **2010**, 118, 80-6	2.3	44
179	Primary dentin etching time, bond strength and ultra-structure characterization of dentin surfaces. *Journal of Dentistry*, **2010**, 38, 222-31	4.8	44
178	Effect of thermal cycling on the bond strength of self-adhesive cements to fiber posts. *Clinical Oral Investigations*, **2012**, 16, 909-15	4.2	43
177	Effect of sodium hypochlorite on dentin bonding with a polyalkenoic acid-containing adhesive system. *Journal of Biomedical Materials Research Part B*, **2002**, 60, 316-24		43
176	Cement system and surface treatment selection for fiber post luting. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2008**, 13, E214-21	2.6	42
175	Magnesium phosphate cements for endodontic applications with improved long-term sealing ability. *International Endodontic Journal*, **2014**, 47, 127-39	5.4	41
174	Remineralisation properties of innovative light-curable resin-based dental materials containing bioactive micro-fillers. *Journal of Materials Chemistry B*, **2013**, 1, 2624-2638	7.3	41
173	Polymer nanocarriers for dentin adhesion. *Journal of Dental Research*, **2014**, 93, 1258-63	8.1	40
172	Influence of drying time and temperature on bond strength of contemporary adhesives to dentine. *Journal of Dentistry*, **2009**, 37, 315-20	4.8	40
171	Influence of the hydrostatic pulpal pressure on droplets formation in current etch-and-rinse and self-etch adhesives: a video rate/TSM microscopy and fluid filtration study. *Dental Materials*, **2009**, 25, 1392-402	5.7	39
170	Improving the quality of the quartz fiber postcore bond using sodium ethoxide etching and combined silane/adhesive coupling. *Journal of Endodontics*, **2006**, 32, 447-51	4.7	39
169	Novel light-curable materials containing experimental bioactive micro-fillers remineralise mineral-depleted bonded-dentine interfaces. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 940-56	3.5	38

168	In vitro vertical misfit evaluation of cast frameworks for cement-retained implant-supported partial prostheses. *Journal of Dentistry*, **2009**, 37, 52-8	4.8	38
167	Zinc induces apatite and scholzite formation during dentin remineralization. *Caries Research*, **2014**, 48, 276-90	4.2	37
166	Hydrolytic stability of composite repair bond. *European Journal of Oral Sciences*, **2007**, 115, 417-24	2.3	37
165	Bleaching agents increase metalloproteinases-mediated collagen degradation in dentin. *Journal of Endodontics*, **2011**, 37, 1668-72	4.7	36
164	Synthesis and characterization of hybrid silica/PMMA nanoparticles and their use as filler in dental composites. *Materials Science and Engineering C*, **2014**, 42, 161-7	8.3	35
163	Surface roughness analysis of fiber post conditioning processes. *Journal of Dental Research*, **2008**, 87, 186-90	8.1	35
162	Resistance to degradation of resin-dentin bonds using a one-step HEMA-free adhesive. *Journal of Dentistry*, **2007**, 35, 181-6	4.8	35
161	Tensile strength and microhardness of treated human dentin. *Dental Materials*, **2004**, 20, 522-9	5.7	35
160	An ultra-morphological characterization of collagen-depleted etched dentin. *American Journal of Dentistry*, **1999**, 12, 250-5	1.3	35
159	Influence of air-abrasion executed with polyacrylic acid-Bioglass 45S5 on the bonding performance of a resin-modified glass ionomer cement. *European Journal of Oral Sciences*, **2012**, 120, 168-77	2.3	34
158	Bioactive Polymeric Nanoparticles for Periodontal Therapy. *PLoS ONE*, **2016**, 11, e0166217	3.7	34
157	Bioactivity of zinc-doped dental adhesives. *Journal of Dentistry*, **2014**, 42, 403-12	4.8	33
156	Dentin treatment with MMPs inhibitors does not alter bond strengths to caries-affected dentin. *Journal of Dentistry*, **2008**, 36, 1068-73	4.8	33
155	Assessment of the quality of resin-dentin bonded interfaces: an AFM nano-indentation, TBS and confocal ultramorphology study. *Dental Materials*, **2012**, 28, 622-31	5.7	32
154	Load cycling enhances bioactivity at the resin-dentin interface. *Dental Materials*, **2014**, 30, e169-88	5.7	30
153	Phosphoric acid esters cannot replace polyvinylphosphonic acid as phosphoprotein analogs in biomimetic remineralization of resin-bonded dentin. *Dental Materials*, **2009**, 25, 1230-9	5.7	29
152	Contact angle hysteresis on dentin surfaces measured with ADSA on drops and bubbles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2002**, 206, 469-483	5.1	28
151	Bond strength of orthodontic brackets using different light and self-curing cements. *Angle Orthodontist*, **2003**, 73, 56-63	2.6	28

150	The effect of surface treatments on the microroughness of laser-sintered and vacuum-cast base metal alloys for dental prosthetic frameworks. *Microscopy Research and Technique*, **2012**, 75, 1206-12	2.8	27
149	Effects of adhesive systems and luting agents on bonding of fiber posts to root canal dentin. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2006**, 77, 195-200	3.5	27
148	Increases in dentin-bond strength if doubling application time of an acetone-containing one-step adhesive. *Operative Dentistry*, **2007**, 32, 133-7	2.9	27
147	Effect of load cycling and in vitro degradation on resin-dentin bonds using a self-etching primer. *Journal of Biomedical Materials Research - Part A*, **2005**, 72, 399-408	5.4	27
146	Resistance to degradation of resin-modified glass-ionomer cements dentine bonds. *Journal of Dentistry*, **2009**, 37, 342-7	4.8	26
145	Ions-modified nanoparticles affect functional remineralization and energy dissipation through the resin-dentin interface. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 68, 62-79	4.1	25
144	Self-etching zinc-doped adhesives improve the potential of caries-affected dentin to be functionally remineralized. *Biointerphases*, **2015**, 10, 031002	1.8	25
143	Effect of the flavonoid epigallocatechin-3-gallate on resin-dentin bond strength. *Journal of Adhesive Dentistry*, **2013**, 15, 535-40	3	25
142	Improved reactive nanoparticles to treat dentin hypersensitivity. *Acta Biomaterialia*, **2018**, 72, 371-380	10.8	24
141	In vitro load-induced dentin collagen-stabilization against MMPs degradation. *Journal of the Mechanical Behavior of Biomedical Materials*, **2013**, 27, 10-8	4.1	24
140	Resin-dentin bonds to EDTA-treated vs. acid-etched dentin using ethanol wet-bonding. Part II: Effects of mechanical cycling load on microtensile bond strengths. *Dental Materials*, **2011**, 27, 563-72	5.7	24
139	Effect of different surface treatments on In-Ceram Alumina roughness. An AFM study. *Journal of Dentistry*, **2010**, 38, 118-22	4.8	24
138	Novel potential scaffold for periodontal tissue engineering. *Clinical Oral Investigations*, **2017**, 21, 2695-2707	4.7	23
137	Antibacterial effects of polymeric PolymP-n Active nanoparticles. An in vitro biofilm study. *Dental Materials*, **2019**, 35, 156-168	5.7	23
136	Effect of bacterial collagenase on resin-dentin bonds degradation. *Journal of Materials Science: Materials in Medicine*, **2007**, 18, 2355-61	4.5	22
135	Microhardness of acid-treated and resin infiltrated human dentine. *Journal of Dentistry*, **2005**, 33, 349-54	4.8	22
134	Bracket bonding with 15- or 60-second etching and adhesive remaining on enamel after debonding. *Angle Orthodontist*, **1999**, 69, 45-8	2.6	22
133	Zinc-modified nanopolymers improve the quality of resin-dentin bonded interfaces. *Clinical Oral Investigations*, **2016**, 20, 2411-2420	4.2	21

132	In vitro mechanical stimulation promoted remineralization at the resin/dentin interface. *Journal of the Mechanical Behavior of Biomedical Materials*, **2014**, 30, 61-74	4.1	21
131	Modified Polymeric Nanoparticles Exert In Vitro Antimicrobial Activity Against Oral Bacteria. *Materials*, **2018**, 11,	3.5	19
130	Effect of double layering and prolonged application time on MTBS of water/ethanol-based self-etch adhesives to dentin. *Operative Dentistry*, **2009**, 34, 571-7	2.9	19
129	Hybrid layers of etch-and-rinse versus self-etching adhesive systems. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2010**, 15, e112-8	2.6	19
128	Zinc incorporation improves biological activity of beta-tricalcium silicate resin-based cement. *Journal of Endodontics*, **2014**, 40, 1840-5	4.7	18
127	Remineralization of mechanical loaded resin-dentin interface: a transitional and synchronized multistep process. *Biomechanics and Modeling in Mechanobiology*, **2014**, 13, 1289-302	3.8	18
126	Differential bonds degradation of two resin-modified glass-ionomer cements in primary and permanent teeth. *Journal of Dentistry*, **2009**, 37, 857-64	4.8	18
125	Influence of NaOCl deproteinization on shear bond strength in function of dentin depth. *American Journal of Dentistry*, **2002**, 15, 252-5	1.3	18
124	Influence of dentin acid-etching and NaOCl-treatment on bond strengths of self-etch adhesives. *American Journal of Dentistry*, **2008**, 21, 44-8	1.3	18
123	Doxycycline and Zinc Loaded Silica-Nanofibrous Polymers as Biomaterials for Bone Regeneration. *Polymers*, **2020**, 12,	4.5	17
122	Differential Biodegradation Kinetics of Collagen Membranes for Bone Regeneration. *Polymers*, **2020**, 12,	4.5	17
121	Differential resin-dentin bonds created after caries removal with polymer burs. *Microscopy and Microanalysis*, **2012**, 18, 497-508	0.5	17
120	Novel light-cured resins and composites with improved physicochemical properties. *Dental Materials*, **2007**, 23, 1189-98	5.7	17
119	Sorption and solubility testing of orthodontic bonding cements in different solutions. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2006**, 76, 251-6	3.5	17
118	Polyaspartic acid enhances dentine remineralization bonded with a zinc-doped Portland-based resin cement. *International Endodontic Journal*, **2016**, 49, 874-883	5.4	17
117	Effect of the hydration status of the smear layer on the wettability and bond strength of a self-etching primer to dentin. *American Journal of Dentistry*, **2004**, 17, 310-4	1.3	17
116	Principal component analysis and cluster analysis for the characterization of dental composites. *Analyst, The*, **2000**, 125, 2044-8	5	16
115	Advanced zinc-doped adhesives for high performance at the resin-carious dentin interface. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 62, 247-267	4.1	16

114	Effect of dentin deproteinization on microleakage of Class V composite restorations. *Operative Dentistry*, **2000**, 25, 497-504	2.9	16
113	Quantitative assessment of primary mitral regurgitation using left ventricular volumes obtained with new automated three-dimensional transthoracic echocardiographic software: A comparison with 3-Tesla cardiac magnetic resonance. *Archives of Cardiovascular Diseases*, **2018**, 111, 507-517	2.7	15
112	Bond strength and bioactivity of Zn-doped dental adhesives promoted by load cycling. *Microscopy and Microanalysis*, **2015**, 21, 214-30	0.5	15
111	Polymeric nanoparticles for endodontic therapy. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 103, 103606	4.1	15
110	Novel non-resorbable polymeric-nanostructured scaffolds for guided bone regeneration. *Clinical Oral Investigations*, **2020**, 24, 2037-2049	4.2	15
109	Functional and molecular structural analysis of dentine interfaces promoted by a Zn-doped self-etching adhesive and an in vitro load cycling model. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 50, 131-49	4.1	14
108	Effect of in vitro chewing and bruxism events on remineralization, at the resin-dentin interface. *Journal of Biomechanics*, **2015**, 48, 14-21	2.9	14
107	Resistance to bond degradation between dual-cure resin cements and pre-treated sintered CAD-CAM dental ceramics. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2012**, 17, e669-77	2.6	14
106	Adjunctive use of an anti-oxidant agent to improve resistance of hybrid layers to degradation. *Journal of Dentistry*, **2011**, 39, 80-7	4.8	14
105	Work of fracture of a composite resin: fracture-toughening mechanisms. *Journal of Biomedical Materials Research - Part A*, **2009**, 89, 751-8	5.4	14
104	Resistance to degradation of resin-dentin bonds produced by one-step self-etch adhesives. *Microscopy and Microanalysis*, **2012**, 18, 1480-93	0.5	13
103	Ex vivo investigations on bioinspired electrospun membranes as potential biomaterials for bone regeneration. *Journal of Dentistry*, **2020**, 98, 103359	4.8	13
102	MMPs activity and bond strength in deciduous dentine-resin bonded interfaces. *Journal of Dentistry* , **2013**, 41, 549-55	4.8	12
101	Surface microanalysis and chemical imaging of early dentin remineralization. *Microscopy and Microanalysis*, **2014**, 20, 245-56	0.5	12
100	Effect of water contamination on the shear bond strength of five orthodontic adhesives. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2010**, 15, e820-6	2.6	12
99	Sealing properties of one-step root-filling fibre post-obturators vs. two-step delayed fibre post-placement. *Journal of Dentistry*, **2010**, 38, 547-52	4.8	12
98	Microleakage and SEM interfacial micromorphology of amalgam restorations using three adhesive systems. *Journal of Dentistry*, **2000**, 28, 423-8	4.8	12
97	Hydroxyapatite-based cements induce different apatite formation in radicular dentin. *Dental Materials*, **2020**, 36, 167-178	5.7	12

96	State of the Art on Biomaterials for Soft Tissue Augmentation in the Oral Cavity. Part I: Natural Polymers-Based Biomaterials. *Polymers*, **2020**, 12,	4.5	12
95	Sealing effectiveness of etch-and-rinse vs self-etching adhesives after water aging: influence of acid etching and NaOCl dentin pretreatment. *Journal of Adhesive Dentistry*, **2008**, 10, 183-8	3	12
94	Ex vivo detection and characterization of remineralized carious dentin, by nanoindentation and single point Raman spectroscopy, after amalgam restoration. *Journal of Raman Spectroscopy*, **2017**, 48, 384-392	2.3	11
93	Early dentine remineralisation: morpho-mechanical assessment. *Journal of Dentistry*, **2014**, 42, 384-94	4.8	11
92	Evaluation of the micro-mechanical strength of resin bonded-dentin interfaces submitted to short-term degradation strategies. *Journal of the Mechanical Behavior of Biomedical Materials*, **2012** , 15, 112-20	4.1	11
91	Polymeric nanoparticles protect the resin-dentin bonded interface from cariogenic biofilm degradation. *Acta Biomaterialia*, **2020**, 111, 316-326	10.8	11
90	Zn-doping of silicate and hydroxyapatite-based cements: Dentin mechanobiology and bioactivity. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 114, 104232	4.1	11
89	Testing active membranes for bone regeneration: A review. *Journal of Dentistry*, **2021**, 105, 103580	4.8	11
88	On modeling and nanoanalysis of caries-affected dentin surfaces restored with Zn-containing amalgam and in vitro oral function. *Biointerphases*, **2015**, 10, 041004	1.8	10
87	Children's dental anxiety: influence of personality and intelligence factors. *International Journal of Paediatric Dentistry*, **1995**, 5, 23-8	3.1	10
86	Influence of application parameters on bond strength of an "all in one" water-based self-etching primer/adhesive after 6 and 12 months of water aging. *Odontology / the Society of the Nippon Dental University*, **2010**, 98, 117-25	3.6	10
85	Post silanization improves bond strength of translucent posts to flowable composite resins. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2007**, 82, 320-4	3.5	10
84	Antimicrobial effect of nanostructured membranes for guided tissue regeneration: an in vitro study. *Dental Materials*, **2020**, 36, 1566-1577	5.7	10
83	Influence of laboratory degradation methods and bonding application parameters on microTBS of self-etch adhesives to dentin. *American Journal of Dentistry*, **2011**, 24, 103-8	1.3	10
82	A zinc chloride-doped adhesive facilitates sealing at the dentin interface: A confocal laser microscopy study. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 74, 35-42	4.1	9
81	A zinc oxide-modified hydroxyapatite-based cement facilitated new crystalline-stoichiometric and amorphous apatite precipitation on dentine. *International Endodontic Journal*, **2017**, 50 Suppl 2, e109-e119	5.4	9
80	Microanalysis of thermal-induced changes at the resin-dentin interface. *Microscopy and Microanalysis*, **2014**, 20, 1218-33	0.5	9
79	Bonding efficacy of an acetone/based etch-and-rinse adhesive after dentin deproteinization. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2012**, 17, e649-54	2.6	9

78	Effect of cyclic loading on bonding of fiber posts to root canal dentin. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2008**, 86, 264-9	3.5	9
77	Mechanical and chemical characterisation of demineralised human dentine after amalgam restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 47, 65-76	4.1	8
76	A zinc oxide-modified hydroxyapatite-based cement favored sealing ability in endodontically treated teeth. *Journal of Dentistry*, **2019**, 88, 103162	4.8	8
75	Differential nanofiller cluster formations in dental adhesive systems. *Microscopy Research and Technique*, **2012**, 75, 749-57	2.8	8
74	Effect of alloy type and casting technique on the fracture strength of implant-cemented structures. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2011**, 16, e619-25	2.6	8
73	Comparison of bond stability between dual-cure resin cements and pretreated glass-infiltrated alumina ceramics. *Photomedicine and Laser Surgery*, **2011**, 29, 465-75		8
72	Characterization of micro- and nanophase separation of dentin bonding agents by stereoscopy and atomic force microscopy. *Microscopy and Microanalysis*, **2012**, 18, 279-88	0.5	8
71	Novel Polymeric Nanocarriers Reduced Zinc and Doxycycline Toxicity in the Nematode. *Antioxidants* , **2019**, 8,	7.1	8
70	Effect of zinc-doping in physicochemical properties of dental adhesives. *American Journal of Dentistry*, **2015**, 28, 292-6	1.3	8
69	Nanoscopic dynamic mechanical analysis of resin-infiltrated dentine, under in vitro chewing and bruxism events. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 54, 33-47	4.1	7
68	Biochemical assessment of nanostructures in human trabecular bone: Proposal of a Raman microspectroscopy based measurements protocol. *Injury*, **2018**, 49 Suppl 2, S11-S21	2.5	7
67	Surface Analysis of Conditioned Dentin and Resin-Dentin Bond Strength. *Journal of Adhesion Science and Technology*, **2012**, 26, 27-40	2	7
66	In vitro hydrolytic degradation of composite quartz fiber-post bonds created by hydrophilic silane couplings. *Operative Dentistry*, **2006**, 31, 728-33	2.9	7
65	Short-term changes in lymphocytes after placement of silver amalgam restorations in healthy subjects. *Dental Materials*, **1995**, 11, 323-6	5.7	7
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