Raquel Osorio

List of Publications by Year in Descending Order

226 papers	6,992 citations	49 h-index	72 g-index
231 ext. papers	7,919 ext. citations	4 avg, IF	5.76 L-index

#	Paper	IF	Citations
226	Antibacterial Effect of Functionalized Polymeric Nanoparticles on Titanium Surfaces Using an In Vitro Subgingival Biofilm Model.. *Polymers*, **2022**, 14,	4.5	1
225	Antibiotic-Loaded Polymeric Barrier Membranes for Guided Bone/Tissue Regeneration: A Mini-Review.. *Polymers*, **2022**, 14,	4.5	2
224	Doxycycline-Doped Polymeric Membranes Induced Growth, Differentiation and Expression of Antigenic Phenotype Markers of Osteoblasts. *Polymers*, **2021**, 13,	4.5	7
223	Alveolar Bone Ridge Augmentation Using Polymeric Membranes: A Systematic Review and Meta-Analysis. *Polymers*, **2021**, 13,	4.5	5
222	Polymeric zinc-doped nanoparticles for high performance in restorative dentistry. *Journal of Dentistry*, **2021**, 107, 103616	4.8	3
221	Zn-Containing Membranes for Guided Bone Regeneration in Dentistry. *Polymers*, **2021**, 13,	4.5	6
220	Collagen Matrix vs. Autogenous Connective Tissue Graft for Soft Tissue Augmentation: A Systematic Review and Meta-Analysis. *Polymers*, **2021**, 13,	4.5	4
219	Doxycycline-doped membranes induced osteogenic gene expression on osteoblastic cells. *Journal of Dentistry*, **2021**, 109, 103676	4.8	6
218	Melatonin-doped polymeric nanoparticles reinforce and remineralize radicular dentin: Morpho-histological, chemical and biomechanical studies. *Dental Materials*, **2021**, 37, 1107-1120	5.7	1
217	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
216	Doxycycline-functionalized polymeric nanoparticles inhibit Enterococcus faecalis biofilm formation on dentine. *International Endodontic Journal*, **2021**, 54, 413-426	5.4	6
215	Testing active membranes for bone regeneration: A review. *Journal of Dentistry*, **2021**, 105, 103580	4.8	11
214	In Vitro Biodegradation Pattern of Collagen Matrices for Soft Tissue Augmentation. *Polymers*, **2021**, 13,	4.5	4
213	Melatonin-doped polymeric nanoparticles induce high crystalline apatite formation in root dentin. *Dental Materials*, **2021**, 37, 1698-1713	5.7	1
212	The Collagen Origin Influences the Degradation Kinetics of Guided Bone Regeneration Membranes. *Polymers*, **2021**, 13,	4.5	6
211	Efficacy of local antibiotic therapy in the treatment of peri-implantitis: A systematic review and meta-analysis. *Journal of Dentistry*, **2021**, 113, 103790	4.8	5
210	Doxycycline and Zinc Loaded Silica-Nanofibrous Polymers as Biomaterials for Bone Regeneration. *Polymers*, **2020**, 12,	4.5	17

209	Differential Biodegradation Kinetics of Collagen Membranes for Bone Regeneration. *Polymers*, **2020**, 12,	4.5	17
208	Polymeric nanoparticles protect the resin-dentin bonded interface from cariogenic biofilm degradation. *Acta Biomaterialia*, **2020**, 111, 316-326	10.8	11
207	Ex vivo investigations on bioinspired electrospun membranes as potential biomaterials for bone regeneration. *Journal of Dentistry*, **2020**, 98, 103359	4.8	13
206	Polymeric nanoparticles for endodontic therapy. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 103, 103606	4.1	15
205	Hydroxyapatite-based cements induce different apatite formation in radicular dentin. *Dental Materials*, **2020**, 36, 167-178	5.7	12
204	Protein adsorption and bioactivity of functionalized electrospun membranes for bone regeneration. *Journal of Dentistry*, **2020**, 102, 103473	4.8	6
203	Antimicrobial effect of nanostructured membranes for guided tissue regeneration: an in vitro study. *Dental Materials*, **2020**, 36, 1566-1577	5.7	10
202	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
201	State of the Art on Biomaterials for Soft Tissue Augmentation in the Oral Cavity. Part II: Synthetic Polymers-Based Biomaterials. *Polymers*, **2020**, 12,	4.5	5
200	The mineralizing effect of zinc oxide-modified hydroxyapatite-based sealer on radicular dentin. *Clinical Oral Investigations*, **2020**, 24, 285-299	4.2	5
199	Novel non-resorbable polymeric-nanostructured scaffolds for guided bone regeneration. *Clinical Oral Investigations*, **2020**, 24, 2037-2049	4.2	15
198	Silver-loaded nanoparticles affect ex-vivo mechanical behavior and mineralization of dentin. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2019**, 24, e156-e164	2.6	2
197	Zn-containing polymer nanogels promote cervical dentin remineralization. *Clinical Oral Investigations*, **2019**, 23, 1197-1208	4.2	6
196	A zinc oxide-modified hydroxyapatite-based cement favored sealing ability in endodontically treated teeth. *Journal of Dentistry*, **2019**, 88, 103162	4.8	8
195	Novel Polymeric Nanocarriers Reduced Zinc and Doxycycline Toxicity in the Nematode. *Antioxidants* , **2019**, 8,	7.1	8
194	Antibacterial effects of polymeric PolymP-n Active nanoparticles. An in vitro biofilm study. *Dental Materials*, **2019**, 35, 156-168	5.7	23
193	Stored potential energy increases and elastic properties alterations are produced after restoring dentin with Zn-containing amalgams. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 91, 109-121	4.1	4
192	Ion-modified nanoparticles induce different apatite formation in cervical dentine. *International Endodontic Journal*, **2018**, 51, 1019-1029	5.4	6

191	In vitro mechanical stimulation facilitates stress dissipation and sealing ability at the conventional glass ionomer cement-dentin interface. *Journal of Dentistry*, **2018**, 73, 61-69	4.8	6
190	Improved reactive nanoparticles to treat dentin hypersensitivity. *Acta Biomaterialia*, **2018**, 72, 371-380	10.8	24
189	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
188	Modified Polymeric Nanoparticles Exert In Vitro Antimicrobial Activity Against Oral Bacteria. *Materials*, **2018**, 11,	3.5	19
187	A zinc-doped endodontic cement facilitates functional mineralization and stress dissipation at the dentin surface. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2018**, 23, e646-e655	2.6	2
186	Effect of functionalized PHEMA micro- and nano-particles on the viscoelastic properties of fibrin-agarose biomaterials. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 738-745	5.4	3
185	Zinc and silica are active components to efficiently treat in vitro simulated eroded dentin. *Clinical Oral Investigations*, **2018**, 22, 2859-2870	4.2	7
184	Silver improves collagen structure and stability at demineralized dentin: A dynamic-mechanical and Raman analysis. *Journal of Dentistry*, **2018**, 79, 61-67	4.8	6
183	Assessing bone quality through mechanical properties in postmenopausal trabecular bone. *Injury*, **2018**, 49 Suppl 2, S3-S10	2.5	6
182	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
181	Novel potential scaffold for periodontal tissue engineering. *Clinical Oral Investigations*, **2017**, 21, 2695-2707	4.2	23
180	Oral Function Improves Interfacial Integrity and Sealing Ability Between Conventional Glass Ionomer Cements and Dentin. *Microscopy and Microanalysis*, **2017**, 23, 131-144	0.5	4
179	Mechanical loading influences the viscoelastic performance of the resin-carious dentin complex. *Biointerphases*, **2017**, 12, 021001	1.8	5
178	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
177	Inter-individual gene variants associated with trabecular bone plasticity: A step forward in the personal genomics of degenerative bone disease. *Injury*, **2017**, 48 Suppl 6, S12-S25	2.5	1
176	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
175	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
174	Nanostructure in the trabecular bone of postmenopausal women: Mechanical and chemical analysis. *Injury*, **2017**, 48 Suppl 6, S26-S33	2.5	5

173	Zinc-Containing Restorations Create Amorphous Biogenic Apatite at the Carious Dentin Interface: A X-Ray Diffraction (XRD) Crystal Lattice Analysis. *Microscopy and Microanalysis*, **2016**, 22, 1034-1046	0.5	6
172	Submicron-to-nanoscale structure characterization and organization of crystals in dentin bioapatites. *RSC Advances*, **2016**, 6, 45265-45278	3.7	6
171	Zinc-modified nanopolymers improve the quality of resin-dentin bonded interfaces. *Clinical Oral Investigations*, **2016**, 20, 2411-2420	4.2	21
170	SEM and AFM characterization of surface of two RMGICs for degradation before and after modification with bioactive glass ceramic. *Journal of Adhesion Science and Technology*, **2016**, 30, 621-632	2	4
169	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
168	Bioactive Polymeric Nanoparticles for Periodontal Therapy. *PLoS ONE*, **2016**, 11, e0166217	3.7	34
167	Polyaspartic acid enhances dentine remineralization bonded with a zinc-doped Portland-based resin cement. *International Endodontic Journal*, **2016**, 49, 874-883	5.4	17
166	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
165	Efficacy and micro-characterization of pathophysiological events on caries-affected dentin treated with glass-ionomer cements. *International Journal of Adhesion and Adhesives*, **2016**, 69, 91-109	3.4	2
164	Biomaterials for catalysed mineralization of dental hard tissues **2016**, 365-376		2
163	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
162	A novel bioactive agent improves adhesion of resin-modified glass-ionomer to dentin. *Journal of Adhesion Science and Technology*, **2015**, 29, 1543-1552	2	4
161	Influence of phosphoproteinsTbiomimetic 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
160	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
159	Self-etching zinc-doped adhesives improve the potential of caries-affected dentin to be functionally remineralized. *Biointerphases*, **2015**, 10, 031002	1.8	25
158	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
157	Bond strength and bioactivity of Zn-doped dental adhesives promoted by load cycling. *Microscopy and Microanalysis*, **2015**, 21, 214-30	0.5	15
156	Improved Sealing and Remineralization at the Resin-Dentin Interface After Phosphoric Acid Etching and Load Cycling. *Microscopy and Microanalysis*, **2015**, 21, 1530-1548	0.5	4

155	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
154	Effect of zinc-doping in physicochemical properties of dental adhesives. *American Journal of Dentistry*, **2015**, 28, 292-6	1.3	8
153	New Advanced Materials for High Performance at the Resin-Dentine Interface. *Frontiers of Oral Biology*, **2015**, 17, 39-48		5
152	Magnesium phosphate cements for endodontic applications with improved long-term sealing ability. *International Endodontic Journal*, **2014**, 47, 127-39	5.4	41
151	Zinc incorporation improves biological activity of beta-tricalcium silicate resin-based cement. *Journal of Endodontics*, **2014**, 40, 1840-5	4.7	18
150	Masticatory function induced changes, at subnanostructural level, in proteins and mineral at the resin-dentine interface. *Journal of the Mechanical Behavior of Biomedical Materials*, **2014**, 39, 197-209	4.1	3
149	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
148	Bioactivity of zinc-doped dental adhesives. *Journal of Dentistry*, **2014**, 42, 403-12	4.8	33
147	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
146	Load cycling enhances bioactivity at the resin-dentin interface. *Dental Materials*, **2014**, 30, e169-88	5.7	30
145	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
144	Polymer nanocarriers for dentin adhesion. *Journal of Dental Research*, **2014**, 93, 1258-63	8.1	40
143	Zinc induces apatite and scholzite formation during dentin remineralization. *Caries Research*, **2014**, 48, 276-90	4.2	37
142	Surface microanalysis and chemical imaging of early dentin remineralization. *Microscopy and Microanalysis*, **2014**, 20, 245-56	0.5	12
141	Microanalysis of thermal-induced changes at the resin-dentin interface. *Microscopy and Microanalysis*, **2014**, 20, 1218-33	0.5	9
140	Early dentine remineralisation: morpho-mechanical assessment. *Journal of Dentistry*, **2014**, 42, 384-94	4.8	11
139	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
138	Digital image analysis method to assess the performance of conventional and self-limiting concepts in dentine caries removal. *Journal of Dentistry*, **2013**, 41 Suppl 3, e31-8	4.8	2

137	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
136	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
135	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
134	Non-destructive analysis in cultural heritage buildings: Evaluating the Mallorca cathedral supporting structures. *NDT and E International*, **2013**, 59, 40-47	4.1	57
133	MMPs activity and bond strength in deciduous dentine-resin bonded interfaces. *Journal of Dentistry* , **2013**, 41, 549-55	4.8	12
132	Effect of the flavonoid epigallocatechin-3-gallate on resin-dentin bond strength. *Journal of Adhesive Dentistry*, **2013**, 15, 535-40	3	25
131	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
130	Differential nanofiller cluster formations in dental adhesive systems. *Microscopy Research and Technique*, **2012**, 75, 749-57	2.8	8
129	Experimental resin cements containing bioactive fillers reduce matrix metalloproteinase-mediated dentin collagen degradation. *Journal of Endodontics*, **2012**, 38, 1227-32	4.7	50
128	A ZnO-doped adhesive reduced collagen degradation favouring dentine remineralization. *Journal of Dentistry*, **2012**, 40, 756-65	4.8	59
127	Surface Analysis of Conditioned Dentin and Resin–Dentin Bond Strength. *Journal of Adhesion Science and Technology*, **2012**, 26, 27-40	2	7
126	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
125	Effect of Etching Time on Resin-Primary Dentin Adhesion and Degradation of Interfaces. *Journal of Adhesion Science and Technology*, **2012**, 26, 1053-1067	2	3
124	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
123	Wetting ability of an acetone/based etch&rinse adhesive after NaOCl-treatment. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2012**, 17, e644-8	2.6	6
122	Determining efficacy of monitoring devices on ceramic bond to resin composite. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2012**, 17, e833-40	2.6	2
121	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
120	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

119	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
118	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
117	Resistance to degradation of resin-dentin bonds produced by one-step self-etch adhesives. *Microscopy and Microanalysis*, **2012**, 18, 1480-93	0.5	13
116	Zinc-inhibited MMP-mediated collagen degradation after different dentine demineralization procedures. *Caries Research*, **2012**, 46, 201-7	4.2	58
115	Differential resin-dentin bonds created after caries removal with polymer burs. *Microscopy and Microanalysis*, **2012**, 18, 497-508	0.5	17
114	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
113	Bleaching agents increase metalloproteinases-mediated collagen degradation in dentin. *Journal of Endodontics*, **2011**, 37, 1668-72	4.7	36
112	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
111	Zinc reduces collagen degradation in demineralized human dentin explants. *Journal of Dentistry*, **2011**, 39, 148-53	4.8	103
110	ElectroBond application may improve wetting characteristics of etched dentine. *Journal of Dentistry*, **2011**, 39, 180-6	4.8	6
109	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
108	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
107	Ultra-structure characterization of self-etching treated cementum surfaces. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2011**, 16, e265-70	2.6	6
106	Effect of dentin etching and chlorhexidine application on metalloproteinase-mediated collagen degradation. *European Journal of Oral Sciences*, **2011**, 119, 79-85	2.3	109
105	Zinc-doped dentin adhesive for collagen protection at the hybrid layer. *European Journal of Oral Sciences*, **2011**, 119, 401-10	2.3	45
104	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
103	Comparison of bond stability between dual-cure resin cements and pretreated glass-infiltrated alumina ceramics. *Photomedicine and Laser Surgery*, **2011**, 29, 465-75		8
102	Valutazione della rugosit□ dello smalto in seguito a trattamenti di air-polishing eseguiti con vetri bioattivi. *Prevenzione & Assistenza Dentale*, **2011**, 37, 123-129		

101	Immobilization of a phosphonated analog of matrix phosphoproteins within cross-linked collagen as a templating mechanism for biomimetic mineralization. *Acta Biomaterialia*, **2011**, 7, 268-77	10.8	68
100	Influence of Surface Nano-roughness of Dental Alumina Ceramic on Bond Strength to Dual-Cure Resin Cements. *Journal of Adhesion Science and Technology*, **2011**, 25, 2909-2922	2	1
99	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
98	Dentin treatment effects on the bonding performance of self-adhesive resin cements. *European Journal of Oral Sciences*, **2010**, 118, 80-6	2.3	44
97	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
96	Bond strength of an etch-and-rinse adhesive to KrF excimer laser-treated dentin. *Photomedicine and Laser Surgery*, **2010**, 28, 97-102		3
95	Ethanol wet-bonding technique sensitivity assessed by AFM. *Journal of Dental Research*, **2010**, 89, 1264-8	3.1	51
94	Effect of different surface treatments on In-Ceram Alumina roughness. An AFM study. *Journal of Dentistry*, **2010**, 38, 118-22	4.8	24
93	Primary dentin etching time, bond strength and ultra-structure characterization of dentin surfaces. *Journal of Dentistry*, **2010**, 38, 222-31	4.8	44
92	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
91	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
90	Bond strength and nanoroughness assessment on human pretreated cementum surfaces. *Journal of Dentistry*, **2010**, 38, 678-85	4.8	2
89	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
88	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
87	Resin-dentin bonds to EDTA-treated vs. acid-etched dentin using ethanol wet-bonding. *Dental Materials*, **2010**, 26, 368-79	5.7	53
86	Effect of curing protocol on the polymerization of dual-cured resin cements. *Dental Materials*, **2010**, 26, 710-8	5.7	70
85	Morphological analysis of three zirconium oxide ceramics: Effect of surface treatments. *Dental Materials*, **2010**, 26, 751-60	5.7	62
84	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

83	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
82	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
81	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
80	Work of fracture of a composite resin: fracture-toughening mechanisms. *Journal of Biomedical Materials Research - Part A*, **2009**, 89, 751-8	5.4	14
79	Critical appraisal: longevity of resin bonds to dentin. *Journal of Esthetic and Restorative Dentistry*, **2009**, 21, 348-54	3.5	
78	Integrated near-surface geophysical survey of the Cathedral of Mallorca. *Journal of Archaeological Science*, **2009**, 36, 1289-1299	2.9	30
77	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
76	EDTA or H3PO4/NaOCl dentine treatments may increase hybrid layersTresistance to degradation: a microtensile bond strength and confocal-micropermeability study. *Journal of Dentistry*, **2009**, 37, 279-88	4.8	47
75	Influence of drying time and temperature on bond strength of contemporary adhesives to dentine. *Journal of Dentistry*, **2009**, 37, 315-20	4.8	40
74	Resistance to degradation of resin-modified glass-ionomer cements dentine bonds. *Journal of Dentistry*, **2009**, 37, 342-7	4.8	26
73	One-step self-etching adhesive polymerization: influence of a self-curing activator. *Journal of Dentistry*, **2009**, 37, 616-21	4.8	4
72	Influence of different surface treatments on surface zirconia frameworks. *Journal of Dentistry*, **2009**, 37, 891-7	4.8	118
71	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
70	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
69	Effect of simulated pulpal pressure on self-adhesive cements bonding to dentin. *Dental Materials*, **2008**, 24, 1156-63	5.7	73
68	Surface treatments for improving bond strength to prefabricated fiber posts: a literature review. *Operative Dentistry*, **2008**, 33, 346-55	2.9	97
67	Limited decalcification/diffusion of self-adhesive cements into dentin. *Journal of Dental Research*, **2008**, 87, 974-9	8.1	183
66	Surface roughness analysis of fiber post conditioning processes. *Journal of Dental Research*, **2008**, 87, 186-90	8.1	35

65	Resistance of ten contemporary adhesives to resin-dentine bond degradation. *Journal of Dentistry*, **2008**, 36, 163-9	4.8	66
64	Dentin treatment with MMPs inhibitors does not alter bond strengths to caries-affected dentin. *Journal of Dentistry*, **2008**, 36, 1068-73	4.8	33
63	Novel Bioadhesives for Restorative Dentistry. *Materials Science Forum*, **2008**, 587-588, 682-686	0.4	
62	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
61	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
60	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
59	Polymerization kinetics and mechanical characterization of new formulations of light-cured dental sealants. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2007**, 80, 18-24	3.5	4
58	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
57	Hydrolytic stability of composite repair bond. *European Journal of Oral Sciences*, **2007**, 115, 417-24	2.3	37
56	Effect of simulated pulpal pressure on dentin permeability and adhesion of self-etch adhesives. *Dental Materials*, **2007**, 23, 705-13	5.7	112
55	Durability of resin-dentin bonds: effects of direct/indirect exposure and storage media. *Dental Materials*, **2007**, 23, 885-92	5.7	100
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