Luiz Felipe Valandro

List of Publications by Year in Descending Order

260 papers	5,101 citations	38 h-index	57 g-index
273 ext. papers	6,410 ext. citations	3.1 avg, IF	5.85 L-index

#	Paper	IF	Citations
260	Novel cinnamon-laden nanofibers as a potential antifungal coating for poly(methyl methacrylate) denture base materials.. *Clinical Oral Investigations*, **2022**, 26, 3697	4.2	
259	Effect of the composition and manufacturing process on the resin microtensile bond strength to ceramics. *International Journal of Adhesion and Adhesives*, **2022**, 116, 103138	3.4	
258	Fatigue strength of 5Y-FSZ: glazing and polishing effects.. *Clinical Oral Investigations*, **2022**, 1	4.2	
257	Pre-sintering pigmentation techniques do not affect the fatigue behavior of adhesively luted 4YSZ restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2022**, 105270	4.1	0
256	Simulation of CAD/CAM milling on lithium disilicate: Mechanical and topographic analyses of surface grinding different protocols. *Journal of the Mechanical Behavior of Biomedical Materials*, **2022**, 105278	4.1	1
255	Adhesion to a new CAD-CAM resin composite: Effects of the machining roughness simulation, surface treatments, and long-term aging. *International Journal of Adhesion and Adhesives*, **2022**, 103194	3.4	
254	The influence of roughness on the resistance to impact of different CAD/CAM dental ceramics.. *Brazilian Dental Journal*, **2021**, 32, 54-65	1.9	1
253	Influence of testing environment on static fatigue behavior of a glass and a polycrystalline ceramic. *Brazilian Dental Journal*, **2021**, 32, 56-64	1.9	
252	Is the application of a silane-based coupling agent necessary to stabilize the fatigue performance of bonded simplified lithium disilicate restorations?. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 126, 104989	4.1	0
251	Cyclic fatigue tests on non-anatomic specimens of dental ceramic materials: A scoping review. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 126, 104985	4.1	0
250	Surface milled by CAD-CAM system Vs laboratorial methods to simulate the milled surface: Effect on the resin bond strength to lithium disilicate glass-ceramic. *International Journal of Adhesion and Adhesives*, **2021**, 113, 103068	3.4	1
249	Mechanical behavior and microstructural characterization of different zirconia polycrystals in different thicknesses.. *Journal of Advanced Prosthodontics*, **2021**, 13, 385-395	2.2	2
248	Fatigue behavior and stress distribution of molars restored with MOD inlays with and without deep margin elevation. *Clinical Oral Investigations*, **2021**, 1	4.2	4
247	Spectrophotometric analysis of dental bleaching after bonding and debonding of orthodontic brackets. *Saudi Dental Journal*, **2021**, 33, 650-655	2.5	0
246	Fatigue resistance of simplified CAD-CAM restorations: Foundation material and ceramic thickness effects on the fatigue behavior of partially- and fully-stabilized zirconia. *Dental Materials*, **2021**, 37, 568-577	5.7	6
245	Influence of the foundation substrate on the fatigue behavior of bonded glass, zirconia polycrystals, and polymer infiltrated ceramic simplified CAD-CAM restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 117, 104391	4.1	4
244	Alumina particle air-abrasion and aging effects: Fatigue behavior of CAD/CAM resin composite crowns and flexural strength evaluations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 121, 104592	4.1	0

243	Fatigue behavior of bonded lithium disilicate glass-ceramic simplified restorations is not damaged by the finishing/grinding of the bonding surface of dentin analogue material. *International Journal of Adhesion and Adhesives*, **2021**, 107, 102824	3.4	2
242	Effect of different surface treatments on optical, colorimetric, and surface characteristics of a lithium disilicate glass-ceramic. *Journal of Esthetic and Restorative Dentistry*, **2021**, 33, 1017-1028	3.5	0
241	Fatigue failure load of prefabricated fiber reinforced post: The influence of the post diameter and fatigue test method. *International Journal of Adhesion and Adhesives*, **2021**, 108, 102864	3.4	
240	Fatigue performance of adhesively luted glass or polycrystalline CAD-CAM monolithic crowns. *Journal of Prosthetic Dentistry*, **2021**, 126, 119-127	4	1
239	Step-stress vs. staircase fatigue tests to evaluate the effect of intaglio adjustment on the fatigue behavior of simplified lithium disilicate glass-ceramic restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 113, 104091	4.1	2
238	The number of specimens in a furnace affects the biaxial flexural strength of veneered zirconia specimens after sintering. *Journal of Adhesion Science and Technology*, **2021**, 35, 663-672	2	
237	Influence of zirconia surface treatments of a bilayer restorative assembly on the fatigue performance. *Journal of Prosthodontic Research*, **2021**, 65, 162-170	4.3	0
236	Fatigue behavior and colorimetric differences of a porcelain-veneered zirconia: effect of quantity and position of specimens during firing. *Journal of Prosthodontic Research*, **2021**, 65, 202-207	4.3	0
235	Fatigue survival of endodontically treated teeth restored with different fiber-reinforced composite resin post strategies versus universal 2-piece fiber post system: An in vitro study. *Journal of Prosthetic Dentistry*, **2021**,	4	1
234	Surface treatments and its effects on the fatigue behavior of a 5% mol yttria partially stabilized zirconia material. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 120, 104543	4.1	2
233	Adhesion between zirconia and resin cement: A critical evaluation of testing methodologies. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 120, 104547	4.1	1
232	External Marginal Gap Variation and Residual Fracture Resistance of Composite and Lithium-Silicate CAD/CAM Overlays after Cyclic Fatigue over Endodontically-Treated Molars. *Polymers*, **2021**, 13,	4.5	4
231	In-lab simulation of CAD/CAM milling of lithium disilicate glass-ceramic specimens: Effect on the fatigue behavior of the bonded ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 121, 104604	4.1	6
230	Influence of different contaminants and cleansing agents on bond strength and in situ degree of conversion of composite-adhesive interface. *International Journal of Adhesion and Adhesives*, **2021**, 110, 102932	3.4	0
229	Load-bearing capacity under fatigue and FEA analysis of simplified ceramic restorations supported by Peek or zirconia polycrystals as foundation substrate for implant purposes. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 123, 104760	4.1	2
228	Grinding and polishing of the inner surface of monolithic simplified restorations made of zirconia polycrystals and lithium disilicate glass-ceramic: Effects on the load-bearing capacity under fatigue of the bonded restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 124, 104833	4.1	0
227	Influence of surface treatment of resin composite substrate on the load-bearing capacity under fatigue of lithium disilicate monolithic simplified restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 124, 104792	4.1	1
226	Grinding the intaglio surface of yttria partially- and fully-stabilized zirconia polycrystals restorations: Effect on their fatigue behavior. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 109, 103800	4.1	3

225	Effect of resin cement space on the fatigue behavior of bonded CAD/CAM leucite ceramic crowns. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 110, 103893	4.1	3
224	Accelerated loading frequency does not influence the fatigue behavior of polymer infiltrated ceramic network or lithium disilicate glass-ceramic restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 110, 103905	4.1	6
223	One-step ceramic primer as surface conditioner: Effect on the load-bearing capacity under fatigue of bonded lithium disilicate ceramic simplified restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 104, 103686	4.1	11
222	Silica infiltration in partially stabilized zirconia: Effect of hydrothermal aging on mechanical properties. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 109, 103774	4.1	4
221	New Materials for CAD/CAM Systems: Resin-Based Composites, Polymer-Infiltrated Ceramic Network, Zirconia-Reinforced Lithium Silicate, and High Translucent Zirconia **2020**, 211-233		
220	Adhesion to Glass Ceramics: Concepts and Clinical Implications **2020**, 189-210		0
219	Grinding, polishing and glazing of the occlusal surface do not affect the load-bearing capacity under fatigue and survival rates of bonded monolithic fully-stabilized zirconia simplified restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 103, 103528	4.1	11
218	Fatigue Failure Load of a Bonded Simplified Monolithic Feldspathic Ceramic: Influence of Hydrofluoric Acid Etching and Thermocycling. *Operative Dentistry*, **2020**, 45, E21-E31	2.9	4
217	Surface treatments of a glass-fiber reinforced composite: Effect on the adhesion to a composite resin. *Journal of Prosthodontic Research*, **2020**, 64, 301-306	4.3	5
216	Fatigue performance of distinct CAD/CAM dental ceramics. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 103, 103540	4.1	10
215	Fatigue performance of fully-stabilized zirconia polycrystals monolithic restorations: The effects of surface treatments at the bonding surface. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 110, 103962	4.1	2
214	Mechanical Fatigue Analysis of PEEK as Alternative to Zirconia for Definitive Hybrid Abutments Supporting All-Ceramic Crowns. *International Journal of Oral and Maxillofacial Implants*, **2020**, 35, 1209-1217	2.8	2
213	Ceramic firing protocols and thermocycling: effects on the load-bearing capacity under fatigue of a bonded zirconia lithium silicate glass-ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 110, 103963	4.1	1
212	Microstructure, topography, surface roughness, fractal dimension, internal and marginal adaptation of pressed and milled lithium-disilicate monolithic restorations. *Journal of Prosthodontic Research*, **2020**, 64, 12-19	4.3	11
211	Influence of shading technique on mechanical fatigue performance and optical properties of a 4Y-TZP ceramic for monolithic restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 102, 103457	4.1	4
210	Effect of Different Surface Treatments of Resin Relined Fiber Posts Cemented With Self-adhesive Resin Cement on Push-out and Microtensile Bond Strength Tests. *Operative Dentistry*, **2020**, 45, E185-E195	2.9	7
209	High load frequency at 20Hz: Its effects on the fatigue behavior of a leucite-reinforced glass-ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 107, 103769	4.1	4
208	Comparison of endocrowns made of lithium disilicate glass-ceramic or polymer-infiltrated ceramic networks and direct composite resin restorations: fatigue performance and stress distribution. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 100, 103401	4.1	11

207	In vitro wear of a zirconium-reinforced lithium silicate ceramic against different restorative materials. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 100, 103403	4.1	5
206	Fatigue performance of adhesively cemented glass-, hybrid- and resin-ceramic materials for CAD/CAM monolithic restorations. *Dental Materials*, **2019**, 35, 534-542	5.7	26
205	Air-abrasion using new silica-alumina powders containing different silica concentrations: Effect on the microstructural characteristics and fatigue behavior of a Y-TZP ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 98, 11-19	4.1	4
204	Strength of a Zirconia-Reinforced Lithium Silicate Ceramic: Acid-Etching Time and Resin Cement Application Effects. *International Journal of Periodontics and Restorative Dentistry*, **2019**, 39, 431-437	2.1	3
203	Effect of zirconia surface treatment, resin cement and aging on the load-bearing capacity under fatigue of thin simplified full-contour Y-TZP restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 97, 21-29	4.1	13
202	CAD-CAM milled versus pressed lithium-disilicate monolithic crowns adhesively cemented after distinct surface treatments: Fatigue performance and ceramic surface characteristics. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 94, 144-154	4.1	20
201	Newer vs. older CAD/CAM burs: Influence of bur experience on the fatigue behavior of adhesively cemented simplified lithium-disilicate glass-ceramic restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 95, 172-179	4.1	8
200	Influence of finishing/polishing on the fatigue strength, surface topography, and roughness of an yttrium-stabilized tetragonal zirconia polycrystals subjected to grinding. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 93, 222-229	4.1	15
199	Survival rate and load to failure of premolars restored with inlays: An evaluation of different inlay fabrication methods. *Journal of Prosthetic Dentistry*, **2019**, 121, 292-297	4	3
198	Effect of Ferrule Thickness on Fracture Resistance of Teeth Restored With a Glass Fiber Post or Cast Post. *Operative Dentistry*, **2019**, 44, E299-E308	2.9	6
197	Low-fusing porcelain glaze application does not damage the fatigue strength of Y-TZP. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 99, 198-205	4.1	9
196	Effect of zirconia polycrystal and stainless steel on the wear of resin composites, dentin and enamel. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 91, 287-293	4.1	9
195	Lithium disilicate glass-ceramic vs translucent zirconia polycrystals bonded to distinct substrates: Fatigue failure load, number of cycles for failure, survival rates, and stress distribution. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 91, 122-130	4.1	20
194	Fatigue failure load and finite element analysis of multilayer ceramic restorations. *Dental Materials*, **2019**, 35, 64-73	5.7	10
193	Load-bearing capacity under fatigue and survival rates of adhesively cemented yttrium-stabilized zirconia polycrystal monolithic simplified restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 90, 673-680	4.1	13
192	Sequential usage of diamond bur for CAD/CAM milling: Effect on the roughness, topography and fatigue strength of lithium disilicate glass ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 91, 326-334	4.1	13
191	Silica coating followed by heat-treatment of MDP-primer for resin bond stability to yttria-stabilized zirconia polycrystals. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2019**, 107, 104-111	3.5	15
190	Fatigue Failure Load of Resin-bonded Simplified Lithium Disilicate Glass-Ceramic Restorations: Effect of Ceramic Conditioning Methods. *Journal of Adhesive Dentistry*, **2019**, 21, 373-381	3	6

189	Does Finishing and Polishing of Restorative Materials Affect Bacterial Adhesion and Biofilm Formation? A Systematic Review. *Operative Dentistry*, **2018**, 43, E37-E52	2.9	35
188	The effect of hydrofluoric acid concentration on the fatigue failure load of adhesively cemented feldspathic ceramic discs. *Dental Materials*, **2018**, 34, 667-675	5.7	20
187	Effect of Resin Luting Systems and Alumina Particle Air Abrasion on Bond Strength to Zirconia. *Operative Dentistry*, **2018**, 43, 282-290	2.9	17
186	Fatigue failure load of two resin-bonded zirconia-reinforced lithium silicate glass-ceramics: Effect of ceramic thickness. *Dental Materials*, **2018**, 34, 891-900	5.7	31
185	Elastic Properties of Lithium Disilicate Versus Feldspathic Inlays: Effect on the Bonding by 3D Finite Element Analysis. *Journal of Prosthodontics*, **2018**, 27, 741-747	3.9	17
184	Fatigue failure load of feldspathic ceramic crowns after hydrofluoric acid etching at different concentrations. *Journal of Prosthetic Dentistry*, **2018**, 119, 278-285	4	16
183	Fatigue failure load of zirconia-reinforced lithium silicate glass ceramic cemented to a dentin analogue: Effect of etching time and hydrofluoric acid concentration. *Journal of the Mechanical Behavior of Biomedical Materials*, **2018**, 77, 375-382	4.1	30
182	How does hydrofluoric acid etching affect the cyclic load-to-failure of lithium disilicate restorations?. *Journal of the Mechanical Behavior of Biomedical Materials*, **2018**, 87, 306-311	4.1	12
181	Mechanical performance of Y-TZP monolithic ceramic after grinding and aging: Survival estimates and fatigue strength. *Journal of the Mechanical Behavior of Biomedical Materials*, **2018**, 87, 288-295	4.1	22
180	Fatigue strength of several dental ceramics indicated for CAD-CAM monolithic restorations. *Brazilian Oral Research*, **2018**, 32, e53	2.6	24
179	Effects of bonding area size, surface treatment and specimen configuration on the push out test for assessing bonding and stress distribution to Y-TZP. *International Journal of Adhesion and Adhesives*, **2018**, 85, 315-321	3.4	0
178	Bond strength between a polymer-infiltrated ceramic network and a composite for repair: effect of several ceramic surface treatments. *Brazilian Oral Research*, **2018**, 32, e28	2.6	11
177	Hydrofluoric acid concentrations: Effect on the cyclic load-to-failure of machined lithium disilicate restorations. *Dental Materials*, **2018**, 34, e255-e263	5.7	20
176	Influence of remaining coronal thickness and height on biomechanical behavior of endodontically treated teeth: survival rates, load to fracture and finite element analysis. *Journal of Applied Oral Science*, **2018**, 26, e20170313	3.3	5
175	Effect of grinding and aging on subcritical crack growth of a Y-TZP ceramic. *Brazilian Oral Research*, **2018**, 32, e32	2.6	9
174	Internal adjustments decrease the fatigue failure load of bonded simplified lithium disilicate restorations. *Dental Materials*, **2018**, 34, e225-e235	5.7	16
173	A Multicenter Randomized Double-blind Controlled Clinical Trial of Fiber Post Cementation Strategies. *Operative Dentistry*, **2018**, 43, 128-135	2.9	8
172	Fatigue Failure Load of Restored Premolars: Effect of Etching the Intaglio Surface of Ceramic Inlays With Hydrofluoric Acid at Different Concentrations. *Operative Dentistry*, **2018**, 43, E81-E91	2.9	0

171	Effect of Grinding and Multi-Stimuli Aging on the Fatigue Strength of a Y-TZP Ceramic. *Brazilian Dental Journal*, **2018**, 29, 60-67	1.9	8
170	Endodontic Sealers Affect the Bond Strength of Fiber Posts and the Degree of Conversion of Two Resin Cements. *Journal of Adhesive Dentistry*, **2018**, 20, 165-172	3	5
169	Ceramic Surface Treatment with a Single-component Primer: Resin Adhesion to Glass Ceramics. *Journal of Adhesive Dentistry*, **2018**, 20, 99-105	3	17
168	The Influence of Ceramic Re-pressing on Surface Properties, Bond Strength, and Color Stability of Leucite Ceramic. *Journal of Adhesive Dentistry*, **2018**, 20, 389-395	3	4
167	Polishing of Ground Y-TZP Ceramic is Mandatory for Improving the Mechanical Behavior. *Brazilian Dental Journal*, **2018**, 29, 483-491	1.9	9
166	Adhesion to a Lithium Disilicate Glass Ceramic Etched with Hydrofluoric Acid at Distinct Concentrations. *Brazilian Dental Journal*, **2018**, 29, 492-499	1.9	15
165	Effect of Post-Space Irrigation with NaOCl And CaOCl at Different Concentrations on the Bond Strength of Posts Cemented with a Self-Adhesive Resin Cement. *Brazilian Dental Journal*, **2018**, 29, 446-451	1.9	7
164	Mechanical reliability, fatigue strength and survival analysis of new polycrystalline translucent zirconia ceramics for monolithic restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, **2018**, 85, 57-65	4.1	85
163	Fatigue failure load of an adhesively-cemented lithium disilicate glass-ceramic: Conventional ceramic etching vs etch & prime one-step primer. *Dental Materials*, **2018**, 34, 1134-1143	5.7	21
162	Effect of the bonding strategy on the tensile retention of full-contour zirconia crowns. *International Journal of Adhesion and Adhesives*, **2018**, 85, 106-112	3.4	1
161	Does the fatigue loading frequency affect the lithium disilicate glass ceramic inlay-dentin bond strength?. *International Journal of Adhesion and Adhesives*, **2018**, 84, 301-306	3.4	
160	Does Luting Strategy Affect the Fatigue Behavior of Bonded Y-TZP Ceramic?. *Journal of Adhesive Dentistry*, **2018**, 20, 307-315	3	2
159	Effect of etching with distinct hydrofluoric acid concentrations on the flexural strength of a lithium disilicate-based glass ceramic. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2017**, 105, 885-891	3.5	20
158	Effects of two grading techniques of zirconia material on the fatigue limit of full-contour 3-unit fixed dental prostheses. *Dental Materials*, **2017**, 33, e155-e164	5.7	28
157	Influence of zirconia surface treatments on resin cement bonding and phase transformation. *Journal of Adhesion Science and Technology*, **2017**, 31, 1671-1682	2	3
156	Endodontic Irrigation Protocols: Effects on Bonding of Adhesive Systems to Coronal Enamel and Dentin. *Journal of Esthetic and Restorative Dentistry*, **2017**, 29, 222-228	3.5	3
155	Different Methods for Inlay Production: Effect on Internal and Marginal Adaptation, Adjustment Time, and Contact Point. *Operative Dentistry*, **2017**, 42, 436-444	2.9	14
154	Adhesive Cementation Promotes Higher Fatigue Resistance to Zirconia Crowns. *Operative Dentistry* , **2017**, 42, 215-224	2.9	43

153	Bonding strategies to full-contour zirconia: Zirconia pretreatment with piranha solution, glaze and airborne-particle abrasion. *International Journal of Adhesion and Adhesives*, **2017**, 77, 151-156	3.4	3
152	Fatigue strength of yttria-stabilized zirconia polycrystals: Effects of grinding, polishing, glazing, and heat treatment. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 75, 512-520	4.1	22
151	Mechanical behavior of yttria-stabilized tetragonal zirconia polycrystalline ceramic after different zirconia surface treatments. *Materials Science and Engineering C*, **2017**, 77, 828-835	8.3	27
150	Fatigue limit of monolithic Y-TZP three-unit-fixed dental prostheses: Effect of grinding at the gingival zone of the connector. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 72, 159-162	4.1	4
149	CAD/CAM machining Vs pre-sintering in-lab fabrication techniques of Y-TZP ceramic specimens: Effects on their mechanical fatigue behavior. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 71, 201-208	4.1	15
148	Effect of operator experience and cementation strategies on the bond strength between fiber post and root dentin. *Journal of Adhesion Science and Technology*, **2017**, 31, 1-7	2	12
147	Influence of Endodontic Treatment and Retreatment on the Fatigue Failure Load, Numbers of Cycles for Failure, and Survival Rates of Human Canine Teeth. *Journal of Endodontics*, **2017**, 43, 2081-2087	4.7	13
146	Mechanical behavior of yttria-stabilized tetragonal zirconia polycrystal: Effects of different aging regimens. *Brazilian Oral Research*, **2017**, 31, e94	2.6	14
145	Longevity of metal-ceramic crowns cemented with self-adhesive resin cement: a prospective clinical study. *Brazilian Oral Research*, **2017**, 31, e22	2.6	8
144	Effect of ceramic thickness, grinding, and aging on the mechanical behavior of a polycrystalline zirconia. *Brazilian Oral Research*, **2017**, 31, e82	2.6	15
143	Retentive Strength of Y-TZP Crowns: Comparison of Different Silica Coating Methods on the Intaglio Surfaces. *Operative Dentistry*, **2017**, 42, E121-E133	2.9	13
142	Impact of machining on the flexural fatigue strength of glass and polycrystalline CAD/CAM ceramics. *Dental Materials*, **2017**, 33, 1286-1297	5.7	32
141	Surface micro-morphology, phase transformation, and mechanical reliability of ground and aged monolithic zirconia ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 65, 849-858	4.1	40
140	Clinical performance and failure modes of pulpless teeth restored with posts: a systematic review. *Brazilian Oral Research*, **2017**, 31, e64	2.6	40
139	Grinding With Diamond Burs and Hydrothermal Aging of a Y-TZP Material: Effect on the Material Surface Characteristics and Bacterial Adhesion. *Operative Dentistry*, **2017**, 42, 669-678	2.9	11
138	Resin push-out bonding strength to root canal dentin: effect of the irrigation solution application prior to post cementation. *Brazilian Dental Science*, **2017**, 20, 85	1.2	2
137	Resin Bonding to a Hybrid Ceramic: Effects of Surface Treatments and Aging. *Operative Dentistry*, **2016**, 41, 171-8	2.9	46
136	Bacterial Colonization in the Marginal Region of Ceramic Restorations: Effects of Different Cement Removal Methods and Polishing. *Operative Dentistry*, **2016**, 41, 642-654	2.9	11

135	Comparison of methanol/hydrochloric, ferric chloride acid versus tribochemical silica coating for adhesion of resin cement to zirconium dioxide. *Journal of Adhesion Science and Technology*, **2016**, 30, 2690-2698	2	1
134	Effects of different particle deposition parameters on adhesion of resin cement to zirconium dioxide and phase transformation. *Journal of Adhesion Science and Technology*, **2016**, 30, 412-421	2	5
133	Comparison of different low-temperature aging protocols: its effects on the mechanical behavior of Y-TZP ceramics. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 60, 324-330	4.1	33
132	Effect of the frequency of mechanical pulses for fatigue aging testing on push-out bond strength between glass fiber posts and root dentin. *Journal of Adhesion Science and Technology*, **2016**, 30, 1243-1252	2	1
131	Fatigue limit of polycrystalline zirconium oxide ceramics: Effect of grinding and low-temperature aging. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 61, 45-54	4.1	39
130	Loading frequencies up to 20Hz as an alternative to accelerate fatigue strength tests in a Y-TZP ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 61, 79-86	4.1	41
129	Fatigue Resistance of Y-TZP/Porcelain Crowns is Not Influenced by the Conditioning of the Intaglio Surface. *Operative Dentistry*, **2016**, 41, E1-12	2.9	29
128	Mechanical behavior of a Y-TZP ceramic for monolithic restorations: effect of grinding and low-temperature aging. *Materials Science and Engineering C*, **2016**, 63, 70-7	8.3	50
127	Effects of Surface Treatments on the Bond Strength Between Resin Cement and a New Zirconia-reinforced Lithium Silicate Ceramic. *Operative Dentistry*, **2016**, 41, 284-92	2.9	34
126	Fatigue behavior of Y-TZP ceramic after surface treatments. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 57, 149-56	4.1	32
125	Effect of grinding and heat treatment on the mechanical behavior of zirconia ceramic. *Brazilian Oral Research*, **2016**, 30,	2.6	23
124	Low-Fusing Porcelain Glaze Application on 3Y-TZP Surfaces can Enhance Zirconia-Porcelain Adhesion. *Brazilian Dental Journal*, **2016**, 27, 543-547	1.9	11
123	The effect of grinding on the mechanical behavior of Y-TZP ceramics: A systematic review and meta-analyses. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 63, 417-442	4.1	50
122	Are posts necessary for the restoration of root filled teeth with limited tissue loss? A structured review of laboratory and clinical studies. *International Endodontic Journal*, **2016**, 49, 827-835	5.4	17
121	Effect of Intracanal Irrigants on Bond Strength of Fiber Posts Cemented With a Self-adhesive Resin Cement. *Operative Dentistry*, **2016**, 41, e159-e167	2.9	20
120	Fractographical Analysis and Biomechanical Considerations of a Tooth Restored With Intracanal Fiber Post: Report of the Fracture and Importance of the Fiber Arrangements. *Operative Dentistry*, **2016**, 41, E149-E158	2.9	5
119	Ceramic Inlays: Effect of Mechanical Cycling and Ceramic Type on Restoration-dentin Bond Strength. *Operative Dentistry*, **2016**, 41, E102-17	2.9	10
118	Tribochemical Glass Ceramic Coating as a New Approach for Resin Adhesion to Zirconia. *Journal of Adhesive Dentistry*, **2016**, 18, 435-440	3	5

117	Inlays made from a hybrid material: adaptation and bond strengths. *Operative Dentistry*, **2015**, 40, E83-91	2.9	32
116	Fiber-matrix integrity, micromorphology and flexural strength of glass fiber posts: Evaluation of the impact of rotary instruments. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 48, 192-199	4.1	8
115	Influence of hydrofluoric acid concentration on the flexural strength of a feldspathic ceramic. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 48, 241-248	4.1	15
114	A critical evaluation of bond strength tests for the assessment of bonding to Y-TZP. *Dental Materials*, **2015**, 31, 648-56	5.7	23
113	Heat treatment of silanized feldspathic ceramic: Effect on the bond strength to resin after thermocycling. *International Journal of Adhesion and Adhesives*, **2015**, 63, 96-101	3.4	3
112	Surface Treatments of Zirconia to Enhance Bonding Durability. *Operative Dentistry*, **2015**, 40, 636-43	2.9	31
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