

# Rodrigo Souza

## List of Publications by Year in descending order

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86  
papers

1,590  
citations

377584

21  
h-index

388640

36  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Which surface treatment promotes higher bond strength for the repair of resin nanoceramics and polymer-infiltrated ceramics? A systematic review and meta-analysis. <i>Journal of Prosthetic Dentistry</i> , 2022, 128, 139-149.	1.1	14
2	Can enamel etching with the Er:YAG laser be an alternative to the conventional phosphoric acid for bracket bonding? A systematic review and meta-analysis. <i>Journal of Adhesion Science and Technology</i> , 2022, 36, 685-700.	1.4	1
3	Bond strength and Weibull analysis of fiber posts luted with different cement types and mechanically aged. <i>Journal of Adhesion Science and Technology</i> , 2022, 36, 762-773.	1.4	0
4	Effect of finishing/polishing techniques and aging on topography, <i>C. albicans</i> adherence, and flexural strength of ultra-translucent zirconia: an in situ study. <i>Clinical Oral Investigations</i> , 2022, 26, 889-900.	1.4	10
5	Can the type of preheated resin composite influence the microtensile bond strength of ceramic restoration to human dentin?. <i>Journal of Adhesion Science and Technology</i> , 2022, 36, 1557-1571.	1.4	2
6	Fatigue strength of 5Y-FSZ: glazing and polishing effects. <i>Clinical Oral Investigations</i> , 2022, 26, 4479-4486.	1.4	1
7	Which Zirconia Surface-cleaning Strategy Improves Adhesion of Resin Composite Cement after Saliva Contamination? A Systematic Review and Meta-Analysis.. <i>Journal of Adhesive Dentistry</i> , 2022, 24, 175-186.	0.3	0
8	Effect of different surface treatments on the micro tensile bond strength to dentin, biaxial flexural strength and roughness of CAD/CAM resin composite and polymer infiltrated ceramic. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 131, 105257.	1.5	3
9	Dentin/composite bond strength: effect of aging and experimental unit. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 536-546.	1.4	8
10	Effect of different surface treatments on the biaxial flexure strength, Weibull characteristics, roughness, and surface topography of bonded CAD/CAM silica-based ceramics. <i>Dental Materials</i> , 2021, 37, e151-e161.	1.6	13
11	Effect of Consecutive Firings on the Optical and Mechanical Properties of Silicate and Lithium Disilicate Based Glass-Ceramics. <i>Journal of Prosthodontics</i> , 2021, 30, 776-782.	1.7	11
12	The number of specimens in a furnace affects the biaxial flexural strength of veneered zirconia specimens after sintering. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 663-672.	1.4	0
13	Mechanical properties of low and regular viscosity bulk fill composites in a 3D dentin cavity model. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 325-335.	1.4	4
14	Effects of ionizing radiation on surface properties of current restorative dental materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 69.	1.7	5
15	Does the glaze application on Y-TZP surface improve the bond strength to pressed veneering ceramic?. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 1459-1471.	1.4	1
16	CAD-FEA modeling and fracture resistance of bilayer zirconia crowns manufactured by the rapid layer technology. <i>Brazilian Dental Journal</i> , 2021, 32, 44-55.	0.5	2
17	Vulnerability of Cerrado threatened mammals: an integrative landscape and climate modeling approach. <i>Biodiversity and Conservation</i> , 2020, 29, 1637-1658.	1.2	25
18	Effect of different repair methods on the bond strength of resin composite to CAD/CAM materials and microorganisms adhesion: An in situ study. <i>Journal of Dentistry</i> , 2020, 93, 103266.	1.7	15

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19	Effect of finishing/polishing techniques and low temperature degradation on the surface topography, phase transformation and flexural strength of ultra-translucent ZrO <sub>2</sub> ceramic. <i>Dental Materials</i> , 2020, 36, e126-e139.	1.6	40
20	MgSO <sub>4</sub> carbothermic reductive decomposition to produce a highly reactive MgO powder. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1847-1855.	2.6	9
21	Silica infiltration in partially stabilized zirconia: Effect of hydrothermal aging on mechanical properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 109, 103774.	1.5	12
22	Influence of Acid Etching and Universal Adhesives on the Bond Strength to Dentin. <i>Brazilian Dental Journal</i> , 2020, 31, 272-280.	0.5	4
23	Effect of glazing application side and mechanical cycling on the biaxial flexural strength and Weibull characteristics of a Y-TZP ceramic. <i>Journal of Applied Oral Science</i> , 2020, 28, e20200438.	0.7	5
24	Hydrofluoric acid concentration, time and use of phosphoric acid on the bond strength of feldspathic ceramics. <i>Brazilian Oral Research</i> , 2020, 34, e018.	0.6	17
25	Effect of different surface treatments and multimode adhesive application on the Weibull characteristics, wettability, surface topography and adhesion to CAD/CAM lithium disilicate ceramic. <i>Journal of Applied Oral Science</i> , 2020, 28, e20200122.	0.7	6
26	Repair Bond Strength of a CAD/CAM Nanoceramic Resin and Direct Composite Resin: Effect of Aging and Surface Conditioning Methods. <i>Journal of Adhesive Dentistry</i> , 2020, 22, 275-283.	0.3	6
27	Potassium alum thermal decomposition study under non-reductive and reductive conditions. <i>Journal of Materials Research and Technology</i> , 2019, 8, 745-751.	2.6	12
28	Short communication: Influence of retainer configuration and loading direction on the stress distribution of lithium disilicate resin-bonded fixed dental prostheses: 3D finite element analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 100, 103389.	1.5	14
29	Effect of hydrofluoric acid concentration and etching time on resin-bond strength to different glass ceramics. <i>Brazilian Oral Research</i> , 2019, 33, e041.	0.6	32
30	Effect of extrinsic pigmentation and surface treatments on biaxial flexure strength after cyclic loading of a translucent ZrO <sub>2</sub> ceramic. <i>Dental Materials</i> , 2019, 35, 1644-1653.	1.6	11
31	Effect of temporary cement removal methods from human dentin on zirconia-dentin adhesion. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 2112-2127.	1.4	7
32	Effect of different loading pistons on stress distribution of a CAD/CAM silica-based ceramic: CAD-FEA modeling and fatigue survival analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 94, 207-212.	1.5	10
33	Pyrometallurgical processing of a low copper content concentrate based on a thermodynamic assessment. <i>Minerals Engineering</i> , 2019, 130, 156-164.	1.8	8
34	Interfacial Properties and Bottom/Top Hardness Ratio Produced by Bulk Fill Composites in Dentin Cavities. <i>Brazilian Dental Journal</i> , 2019, 30, 476-483.	0.5	7
35	The effect of air-particle abrasion and a zirconia primer application on resin cement bonding strength to zirconia. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2019, 68, 89-94.	1.3	4
36	Resin bond strength to zirconia: effects of surface treatments and resin cements. <i>General Dentistry</i> , 2019, 67, 71-77.	0.4	2

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37	Ultrathin Monolithic Zirconia Veneers: Reality or Future? Report of a Clinical Case and One-year Follow-up. Operative Dentistry, 2018, 43, 3-11.	0.6	39
38	Can heat-pressed feldspathic ceramic be submitted to multiple heat-pressing?. Brazilian Oral Research, 2018, 32, e106.	0.6	3
39	Mechanical Behavior of Different Micro Conical Abutments in Fixed Prosthesis. International Journal of Oral and Maxillofacial Implants, 2018, 33, 1199-1205.	0.6	8
40	Bond and topography evaluation of a Y-TZP ceramic with a superficial low-fusing porcelain glass layer after different hydrofluoric acid etching protocols. Universidade Estadual Paulista Revista De Odontologia, 2018, 47, 348-353.	0.3	1
41	A Powdering Technique for Veneering Zirconia and Its Effect on the Flexural Strength of Ceramic Bilayers. International Journal of Periodontics and Restorative Dentistry, 2018, 38, 865-871.	0.4	1
42	Can the Application of Multi-Mode Adhesive be a Substitute to Silicized/Silanized Y-TZP Ceramics?. Brazilian Dental Journal, 2018, 29, 275-281.	0.5	22
43	Can low-fusing glass application affect the marginal misfit and bond strength of Y-TZP crowns?. Brazilian Oral Research, 2018, 32, e34.	0.6	10
44	Effect of primer-cement systems with different functional phosphate monomers on the adhesion of zirconia to dentin. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 69-77.	1.5	12
45	Effect of different bonding protocols on degree of monomer conversion and bond strength between orthodontic brackets and enamel. Brazilian Oral Research, 2018, 32, e58.	0.6	9
46	CAD-FEA modeling and analysis of different full crown monolithic restorations. Dental Materials, 2018, 34, 1342-1350.	1.6	87
47	Influence of testing parameters on the load-bearing capacity of prosthetic materials used for fixed dental prosthesis: A systematic review and meta-analysis. Brazilian Dental Science, 2018, 21, 470.	0.1	3
48	Y-TZP surface behavior under two different milling systems and three different accelerated aging protocols. Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery, 2018, 67, 237-245.	1.3	8
49	Do Mechanical Advantages Exist in Relining Fiber Posts with Composite Prior to its Cementation?. Journal of Adhesive Dentistry, 2018, 20, 511-518.	0.3	10
50	Monoclinic phase transformation and mechanical durability of zirconia ceramic after fatigue and autoclave aging. , 2017, 105, 1972-1977.		21
51	Effect of intra-oral aging on tãt'm phase transformation, microstructure, and mechanical properties of Y-TZP dental ceramics. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 14-21.	1.5	32
52	Influence of Alveolar Bone Loss and Cement Layer Thickness on the Biomechanical Behavior of Endodontically Treated Maxillary Incisors: A 3-dimensional Finite Element Analysis. Journal of Endodontics, 2017, 43, 791-795.	1.4	39
53	Influence of ceramic thickness and light-curing time on the long-term ÆuTBS of silica-based ceramic to human dentin. Journal of Adhesion Science and Technology, 2017, 31, 1700-1710.	1.4	2
54	Effect of Cervical Collar Removal on the Fracture Load of Anterior Zirconia Crowns. International Journal of Periodontics and Restorative Dentistry, 2017, 37, 241-247.	0.4	2

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55	Resin push-out bonding strength to root canal dentin: effect of the irrigation solution application prior to post cementation. <i>Brazilian Dental Science</i> , 2017, 20, 85-92.	0.1	2
56	Which low-fusing porcelain glaze treatment technique is better to promote a vitreous surface on Y-TZP ceramic?. <i>Revista Odonto Ciencia</i> , 2017, 32, 174.	0.0	1
57	Fracture Strength, Failure Types, and Weibull Characteristics of Three-Unit Zirconia Fixed Dental Prostheses After Cyclic Loading: Effects of Veneering and Air-Abrasion Protocols. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2016, 36, 901-908.	0.4	6
58	Bonding of the Polymer Polyetheretherketone (PEEK) to Human Dentin: Effect of Surface Treatments. <i>Brazilian Dental Journal</i> , 2016, 27, 693-699.	0.5	27
59	Bacterial Colonization in the Marginal Region of Ceramic Restorations: Effects of Different Cement Removal Methods and Polishing. <i>Operative Dentistry</i> , 2016, 41, 642-654.	0.6	18
60	Effect of aging type and aged unit on the repair strength of resin composite to feldspathic porcelain in testing microtensile bond strength. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 434-442.	1.4	5
61	Effect of Adhesive Cementation Strategies on the Bonding of Y-TZP to Human Dentin. <i>Operative Dentistry</i> , 2016, 41, 276-283.	0.6	36
62	Surface roughness and bond strength between Y-TZP and self-adhesive resin cement after air particle abrasion protocols. <i>General Dentistry</i> , 2016, 64, 50-5.	0.4	4
63	Effect of Air-Abrasion Regimens and Fine Diamond Bur Grinding on Flexural Strength, Weibull Modulus and Phase Transformation of Zirconium Dioxide. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015, 13, 266-273.	0.7	10
64	Surface Treatments of Zirconia to Enhance Bonding Durability. <i>Operative Dentistry</i> , 2015, 40, 636-643.	0.6	47
65	Durability and Weibull Characteristics of Lithium Disilicate Crowns Bonded on Abutments with Knife-Edge and Large Chamfer Finish Lines after Cyclic Loading. <i>Journal of Prosthodontics</i> , 2015, 24, 615-619.	1.7	14
66	Can application of universal primers alone be a substitute for airborne-particle abrasion to improve adhesion of resin cement to zirconia?. <i>Journal of Adhesive Dentistry</i> , 2015, 17, 169-74.	0.3	40
67	Marginal and internal discrepancies of zirconia copings: Effects of milling system and finish line design. <i>Indian Journal of Dental Research</i> , 2015, 26, 15.	0.1	6
68	Effect of Thickness, Processing Technique and Cooling Rate Protocol on the $\frac{1}{4}$ TBS of a Bilayer Ceramic System. <i>Journal of Adhesive Dentistry</i> , 2015, 17, 307-12.	0.3	0
69	Influence of air-particle deposition protocols on the surface topography and adhesion of resin cement to zirconia. <i>Acta Odontologica Scandinavica</i> , 2014, 72, 346-353.	0.9	30
70	Effects of aging procedures on the topographic surface, structural stability, and mechanical strength of a ZrO <sub>2</sub> -based dental ceramic. <i>Dental Materials</i> , 2014, 30, e396-e404.	1.6	73
71	Bonding of Y-TZP to Dentin: Effects of Y-TZP Surface Conditioning, Resin Cement Type, and Aging. <i>Operative Dentistry</i> , 2014, 39, 291-300.	0.6	42
72	Air-Particle abrasion on zirconia ceramic using different protocols: Effects on biaxial flexural strength after cyclic loading, phase transformation and surface topography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 26, 155-163.	1.5	114

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73	Low-temperature degradation of a Y-TZP ceramic after surface treatments. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101, 1387-1392.	1.6	97
74	Effects of thickness, processing technique, and cooling rate protocol on the flexural strength of a bilayer ceramic system. <i>Dental Materials</i> , 2013, 29, 1063-1072.	1.6	48
75	Effect of air-particle abrasion protocols on the biaxial flexural strength, surface characteristics and phase transformation of zirconia after cyclic loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 20, 19-28.	1.5	100
76	Effects of cement-curing mode and light-curing unit on the bond durability of ceramic cemented to dentin. <i>Brazilian Oral Research</i> , 2013, 27, 169-175.	0.6	4
77	Efeito da aplicação típica de um verniz de TiF4 quimicamente estável na desmineralização do esmalte dentário bovino: estudo in vitro. <i>Universidade Estadual Paulista Revista De Odontologia</i> , 2013, 42, 372-377.	0.3	0
78	Influence of polishing procedures on the surface roughness of dental ceramics made by different techniques. <i>General Dentistry</i> , 2013, 61, e4-8.	0.4	11
79	Morphology and bacterial colonisation of tooth/ceramic restoration interface after different cement excess removal techniques. <i>Journal of Dentistry</i> , 2012, 40, 742-749.	1.7	55
80	Marginal and Internal Discrepancies Related to Margin Design of Ceramic Crowns Fabricated by a CAD/CAM System. <i>Journal of Prosthodontics</i> , 2012, 21, 94-100.	1.7	82
81	Deposition of SiOx thin films on Y-TZP by reactive magnetron sputtering: influence of plasma parameters on the adhesion properties between Y-TZP and resin cement for application in dental prosthesis. <i>Materials Research</i> , 2011, 14, 212-216.	0.6	31
82	Durability of microtensile bond to nonetched and etched feldspar ceramic: self-adhesive resin cements vs conventional resin. <i>Journal of Adhesive Dentistry</i> , 2011, 13, 155-62.	0.3	10
83	Shear bond strength of orthodontic brackets bonded using halogen light and light-emitting diode at different debond times. <i>Brazilian Oral Research</i> , 2010, 24, 64-69.	0.6	6
84	Mechanical and Thermal Cycling Effects on the Flexural Strength of Glass Ceramics Fused to Titanium. <i>Dental Materials Journal</i> , 2008, 27, 7-15.	0.8	41
85	Does the zirconia cleaning protocol followed by vitrification increase the resin-bond strength to zirconia?. <i>Journal of Adhesion Science and Technology</i> , 0, , 1-14.	1.4	0
86	Different surface treatment protocols of a Y-TZP ceramic with a superficial glaze layer. <i>Brazilian Journal of Oral Sciences</i> , 0, 18, e191504.	0.1	0