

# Felipe Gonçalves Belladonna

## List of Publications by Year in descending order

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75  
papers

2,636  
citations

147801

31  
h-index

206112

48  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Does sodium thiosulphate avoid the formation of the brown-coloured precipitate as an intermediate irrigant between NaOCl and chlorhexidine?. Australian Endodontic Journal, 2022, 48, 72-76.	1.5	4
2	A critical analysis of research methods and experimental models to study dentinal microcracks. International Endodontic Journal, 2022, 55, 178-226.	5.0	23
3	Comparison of five rotary systems regarding design, metallurgy, mechanical performance, and canal preparation—a multimethod research. Clinical Oral Investigations, 2022, 26, 3299-3310.	3.0	9
4	Present status and future directions — Minimal endodontic access cavities. International Endodontic Journal, 2022, 55, 531-587.	5.0	29
5	A critical analysis of research methods and experimental models to study root canal fillings. International Endodontic Journal, 2022, 55, 384-445.	5.0	15
6	Micro-CT assessment of gap-containing areas along the gutta-percha sealer interface in oval-shaped canals. International Endodontic Journal, 2022, 55, 795-807.	5.0	5
7	Micro-computed Tomographic Evaluation of Dentinal Microcracks after Preparation of Curved Root Canals with ProTaper Gold, WaveOne Gold, and ProTaper Next Instruments. Journal of Endodontics, 2021, 47, 309-314.	3.1	12
8	Glide Path with Reciprocating Driven Pathfinding Instrument: Performance and Fracture Rate. Journal of Endodontics, 2021, 47, 100-104.	3.1	8
9	Contrast-enhanced micro-CT to assess dental pulp tissue debridement in root canals of extracted teeth: a series of cascading experiments towards method validation. International Endodontic Journal, 2021, 54, 279-293.	5.0	13
10	Root groove depth and inter-orifice canal distance as anatomical predictive factors for danger zone in the mesial root of mandibular first molars. Clinical Oral Investigations, 2021, 25, 3641-3649.	3.0	9
11	Comparison of design, metallurgy, mechanical performance and shaping ability of replica-like and counterfeit instruments of the ProTaper Next system. International Endodontic Journal, 2021, 54, 780-792.	5.0	18
12	Design, metallurgical features, mechanical performance and canal preparation of six reciprocating instruments. International Endodontic Journal, 2021, 54, 1623-1637.	5.0	39
13	Is canal overinstrumentation able to produce apical root dentinal microcracks in extracted teeth?. International Endodontic Journal, 2021, 54, 1647-1652.	5.0	4
14	Methodological proposal for evaluation of adhesion of root canal sealers to gutta-percha. International Endodontic Journal, 2021, 54, 1653-1658.	5.0	5
15	Minimally Invasive Root Canal Instrumentation. , 2021, , 67-92.		0
16	Does ultraconservative access affect the efficacy of root canal treatment and the fracture resistance of two-rooted maxillary premolars?. International Endodontic Journal, 2020, 53, 265-275.	5.0	53
17	Arrowhead design ultrasonic tip as a supplementary tool for canal debridement. International Endodontic Journal, 2020, 53, 410-420.	5.0	16
18	Dentinal microcracks on freshly extracted teeth: the impact of the extraction technique. International Endodontic Journal, 2020, 53, 440-446.	5.0	19

#	ARTICLE	IF	CITATIONS
19	Root dentinal microcracks: a post-extraction experimental phenomenon?. International Endodontic Journal, 2020, 53, 137-142.	5.0	4
20	Response to the letter to the editor: Is EDTA the protagonist for the enhancement of accumulated hard tissue debris removal from root canals?. International Endodontic Journal, 2020, 53, 1456-1457.	5.0	0
21	Influence of minimally invasive endodontic access cavities on root canal shaping and filling ability, pulp chamber cleaning and fracture resistance of extracted human mandibular incisors. International Endodontic Journal, 2020, 53, 1530-1539.	5.0	32
22	Effect of access cavity design on gaps and void formation in resin composite restorations following root canal treatment on extracted teeth. International Endodontic Journal, 2020, 53, 1540-1548.	5.0	12
23	Do pre-existing microcracks play a role in the fracture resistance of roots in a laboratory setting?. International Endodontic Journal, 2020, 53, 1506-1515.	5.0	9
24	Current status on minimal access cavity preparations: a critical analysis and a proposal for a universal nomenclature. International Endodontic Journal, 2020, 53, 1618-1635.	5.0	59
25	The Apical Root Canal System of Teeth with Posttreatment Apical Periodontitis: Correlating Microbiologic, Tomographic, and Histopathologic Findings. Journal of Endodontics, 2020, 46, 1195-1203.	3.1	28
26	Creation of well-balanced experimental groups for comparative endodontic laboratory studies: a new proposal based on micro-CT and <i>in silico</i> methods. International Endodontic Journal, 2020, 53, 974-985.	5.0	38
27	The influence of the addition of surfactants to sodium hypochlorite on the removal of hard tissue debris. International Endodontic Journal, 2020, 53, 1131-1139.	5.0	12
28	Influence of autoclave sterilization procedures on the cyclic fatigue resistance of heat-treated nickel-titanium instruments: a systematic review. Restorative Dentistry & Endodontics, 2020, 45, e25.	1.5	7
29	Shaping efficiency as a function of time of a new heat-treated instrument. International Endodontic Journal, 2019, 52, 337-342.	5.0	33
30	Effectiveness of Reciproc Blue in removing canal filling material and regaining apical patency. International Endodontic Journal, 2019, 52, 250-257.	5.0	33
31	Micro-CT evaluation of different final irrigation protocols on the removal of hard-tissue debris from isthmus-containing mesial root of mandibular molars. Clinical Oral Investigations, 2019, 23, 681-687.	3.0	48
32	Effectiveness of passive ultrasonic irrigation on periapical healing and root canal disinfection: a systematic review. British Dental Journal, 2019, 227, 228-234.	0.6	22
33	3-dimensional Ability Assessment in Removing Root Filling Material from Pair-matched Oval-shaped Canals Using Thermal-treated Instruments. Journal of Endodontics, 2019, 45, 1135-1141.	3.1	34
34	XP-endo Finisher R instrument optimizes the removal of root filling remnants in oval-shaped canals. International Endodontic Journal, 2019, 52, 899-907.	5.0	52
35	Performance of Reciproc Blue R25 Instruments in Shaping the Canal Space without Glide Path. Journal of Endodontics, 2019, 45, 194-198.	3.1	13
36	Anatomical danger zone reconsidered: a micro-CT study on dentine thickness in mandibular molars. International Endodontic Journal, 2019, 52, 1501-1507.	5.0	42

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37	Volume and/or Time of NaOCl Influences the Fracture Strength of Endodontically Treated Bovine Teeth. Brazilian Dental Journal, 2019, 30, 31-35.	1.1	11
38	Root dentinal microcracks: a post-extraction experimental phenomenon?. International Endodontic Journal, 2019, 52, 857-865.	5.0	44
39	Micro-CT comparison of XP-endo Finisher and passive ultrasonic irrigation as final irrigation protocols on the removal of accumulated hard-tissue debris from oval shaped-canals. Clinical Oral Investigations, 2019, 23, 3087-3093.	3.0	56
40	Effectiveness of XP-endo Finisher and XP-endo Finisher R in removing root filling remnants: a micro-CT study. International Endodontic Journal, 2018, 51, 86-91.	5.0	89
41	Micro-CT assessment of the shaping ability of four root canal instrumentation systems in oval-shaped canals. International Endodontic Journal, 2018, 51, 564-571.	5.0	82
42	Cyclic and Torsional Fatigue Resistance of XP-endo Shaper and TRUShape Instruments. Journal of Endodontics, 2018, 44, 168-172.	3.1	56
43	Untouched canal areas and debris accumulation after root canal preparation with rotary and adaptive systems. Australian Endodontic Journal, 2018, 44, 260-266.	1.5	27
44	Impact of contracted endodontic cavities on fracture resistance of endodontically treated teeth: a systematic review of in vitro studies. Clinical Oral Investigations, 2018, 22, 109-118.	3.0	59
45	Endodontic management of type II dens invaginatus with open apex and large periradicular lesion using the XP-endo Finisher: A case report. Journal of Clinical and Experimental Dentistry, 2018, 10, 0-0.	1.2	7
46	Micro-computed Tomography Shaping Ability Assessment of the New Blue Thermal Treated Reciproc Instrument. Journal of Endodontics, 2018, 44, 1146-1150.	3.1	35
47	Micro-computed tomographic evaluation of canal retreatments performed by undergraduate students using different techniques. Restorative Dentistry & Endodontics, 2018, 43, e5.	1.5	9
48	Dissolution, dislocation and dimensional changes of endodontic sealers after a solubility challenge: a micro-CT approach. International Endodontic Journal, 2017, 50, 407-414.	5.0	59
49	Impact of needle insertion depth on the removal of hard-tissue debris. International Endodontic Journal, 2017, 50, 560-568.	5.0	41
50	Microcomputed tomographic evaluation of canal transportation and centring ability of ProTaper Next and Twisted File Adaptive systems. International Endodontic Journal, 2017, 50, 694-699.	5.0	28
51	Blue Thermomechanical Treatment Optimizes Fatigue Resistance and Flexibility of the Reciproc Files. Journal of Endodontics, 2017, 43, 462-466.	3.1	203
52	Micro-computed Tomography Assessment of Dentinal Micro-cracks after Root Canal Preparation with TRUShape and Self-adjusting File Systems. Journal of Endodontics, 2017, 43, 619-622.	3.1	39
53	Dentinal Microcrack Development after Canal Preparation: A Longitudinal in Situ Micro-computed Tomography Study Using a Cadaver Model. Journal of Endodontics, 2017, 43, 1553-1558.	3.1	53
54	Influence of Access Cavity Design on Root Canal Detection, Instrumentation Efficacy, and Fracture Resistance Assessed in Maxillary Molars. Journal of Endodontics, 2017, 43, 1657-1662.	3.1	107

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55	Micro-CT assessment of dentinal microcracks after root canal filling procedures. <i>International Endodontic Journal</i> , 2017, 50, 895-901.	5.0	23
56	Quantitative transportation assessment in simulated curved canals after large apical preparations. <i>Brazilian Journal of Oral Sciences</i> , 2017, 15, 221.	0.1	0
57	Quantitative transportation assessment in curved canals prepared with an off-centered rectangular design system. <i>Brazilian Oral Research</i> , 2016, 30, e43.	1.4	12
58	On the Causality Between Dentinal Defects and Root Canal Preparation: A Micro-CT Assessment. <i>Brazilian Dental Journal</i> , 2016, 27, 664-669.	1.1	36
59	Comparison of canal transportation in simulated curved canals prepared with ProTaper Universal and ProTaper Gold systems. <i>Restorative Dentistry &amp; Endodontics</i> , 2016, 41, 1.	1.5	29
60	Comparison of apically extruded debris after large apical preparations by full-sequence rotary and single-file reciprocating systems. <i>International Endodontic Journal</i> , 2016, 49, 700-705.	5.0	55
61	Bending resistance and cyclic fatigue of a new heat-treated reciprocating instrument. <i>Scanning</i> , 2016, 38, 837-841.	1.5	16
62	Cytotoxic effect of the debris apically extruded during three different retreatment procedures. <i>Journal of Oral Science</i> , 2016, 58, 211-217.	1.7	5
63	Effectiveness of three methods for evaluating root canal anatomy of mandibular incisors. <i>Journal of Oral Science</i> , 2016, 58, 347-351.	1.7	2
64	Scouting Ability of 4 Pathfinding Instruments in Moderately Curved Molar Canals. <i>Journal of Endodontics</i> , 2016, 42, 1540-1544.	3.1	30
65	Critical appraisal of some methodological aspects of using micro-CT technology in the study of dentinal microcracks in endodontics. <i>International Endodontic Journal</i> , 2016, 49, 216-219.	5.0	14
66	Micro-CT Evaluation of Non-instrumented Canal Areas with Different Enlargements Performed by NiTi Systems. <i>Brazilian Dental Journal</i> , 2015, 26, 624-629.	1.1	70
67	Postoperative Pain after Foraminal Instrumentation with a Reciprocating System and Different Irrigating Solutions. <i>Brazilian Dental Journal</i> , 2015, 26, 216-221.	1.1	13
68	Accumulated Hard Tissue Debris Produced during Reciprocating and Rotary Nickel-Titanium Canal Preparation. <i>Journal of Endodontics</i> , 2015, 41, 676-681.	3.1	81
69	Quantitative Transportation Assessment in Simulated Curved Canals Prepared with an Adaptive Movement System. <i>Journal of Endodontics</i> , 2015, 41, 1125-1129.	3.1	34
70	Micro-computed Tomographic Assessment on the Effect of ProTaper Next and Twisted File Adaptive Systems on Dentinal Cracks. <i>Journal of Endodontics</i> , 2015, 41, 1116-1119.	3.1	109
71	Exploiting the potential of free software to evaluate root canal biomechanical preparation outcomes through micro-CT images. <i>International Endodontic Journal</i> , 2015, 48, 1033-1042.	5.0	45
72	Reciprocating Versus Rotary Systems for Root Filling Removal: Assessment of the Apically Extruded Material. <i>Journal of Endodontics</i> , 2014, 40, 2077-2080.	3.1	86

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73	Lack of Causal Relationship between Dentinal Microcracks and Root Canal Preparation with Reciprocation Systems. Journal of Endodontics, 2014, 40, 1447-1450.	3.1	153
74	Assessment of Apically Extruded Debris Produced by the Self-Adjusting File System. Journal of Endodontics, 2014, 40, 526-529.	3.1	44
75	Biocompatibility of a Self-adhesive Gutta-percha-based Material in Subcutaneous Tissue of Mice. Journal of Endodontics, 2014, 40, 1869-1873.	3.1	15