

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
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75
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75
docs citations

75
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue Thermomechanical Treatment Optimizes Fatigue Resistance and Flexibility of the Reciproc Files. <i>Journal of Endodontics</i> , 2017, 43, 462-466.	3.1	203
2	Lack of Causal Relationship between Dentinal Microcracks and Root Canal Preparation with Reciprocation Systems. <i>Journal of Endodontics</i> , 2014, 40, 1447-1450.	3.1	153
3	Micro-CT assessment of 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
4	Influence of Access Cavity Design on Root Canal Detection, Instrumentation Efficacy, and Fracture Resistance Assessed in Maxillary Molars. <i>Journal of Endodontics</i> , 2017, 43, 1657-1662.	3.1	107
5	Effectiveness of XP-endo Finisher and XP-endo Finisher R in removing root filling remnants: a micro-CT study. <i>International Endodontic Journal</i> , 2018, 51, 86-91.	5.0	89
6	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
7	Micro-CT assessment of the shaping ability of four root canal instrumentation systems in oval-shaped canals. <i>International Endodontic Journal</i> , 2018, 51, 564-571.	5.0	82
8	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
9	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
10	Dissolution, dislocation and dimensional changes of endodontic sealers after a solubility challenge: a micro-CT approach. <i>International Endodontic Journal</i> , 2017, 50, 407-414.	5.0	59
11	Impact of contracted endodontic cavities on fracture resistance of endodontically treated teeth: a systematic review of in vitro studies. <i>Clinical Oral Investigations</i> , 2018, 22, 109-118.	3.0	59
12	Current status on minimal access cavity preparations: a critical analysis and a proposal for a universal nomenclature. <i>International Endodontic Journal</i> , 2020, 53, 1618-1635.	5.0	59
13	Cyclic and Torsional Fatigue Resistance of XP-endo Shaper and TRUShape Instruments. <i>Journal of Endodontics</i> , 2018, 44, 168-172.	3.1	56
14	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. <i>Clinical Oral Investigations</i> , 2019, 23, 3087-3093.	3.0	56
15	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
16	Dentinal Microcrack Development after Canal Preparation: A Longitudinal in Situ Micro-CT Tomography Study Using a Cadaver Model. <i>Journal of Endodontics</i> , 2017, 43, 1553-1558.	3.1	53
17	Does ultraconservative access affect the efficacy of root canal treatment and the fracture resistance of two-rooted maxillary premolars?. <i>International Endodontic Journal</i> , 2020, 53, 265-275.	5.0	53
18	XP-endo Finisher R instrument optimizes the removal of root filling remnants in oval-shaped canals. <i>International Endodontic Journal</i> , 2019, 52, 899-907.	5.0	52

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19	Micro-CT evaluation of different final irrigation protocols on the removal of hard-tissue debris from isthmus-containing mesial root of mandibular molars. <i>Clinical Oral Investigations</i> , 2019, 23, 681-687.	3.0	48
20	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
21	Assessment of Apically Extruded Debris Produced by the Self-Adjusting File System. <i>Journal of Endodontics</i> , 2014, 40, 526-529.	3.1	44
22	Root dentinal microcracks: a post-extraction experimental phenomenon?. <i>International Endodontic Journal</i> , 2019, 52, 857-865.	5.0	44
23	Anatomical danger zone reconsidered: a micro-CT study on dentine thickness in mandibular molars. <i>International Endodontic Journal</i> , 2019, 52, 1501-1507.	5.0	42
24	Impact of needle insertion depth on the removal of hard-tissue debris. <i>International Endodontic Journal</i> , 2017, 50, 560-568.	5.0	41
25	Micro-computed Tomography Assessment of Dentinal Micro-cracks after Root Canal Preparation with TRUShape and Self-adjusting File Systems. <i>Journal of Endodontics</i> , 2017, 43, 619-622.	3.1	39
26	Design, metallurgical features, mechanical performance and canal preparation of six reciprocating instruments. <i>International Endodontic Journal</i> , 2021, 54, 1623-1637.	5.0	39
27	Creation of well-balanced experimental groups for comparative endodontic laboratory studies: a new proposal based on micro-CT and <i>in silico</i> methods. <i>International Endodontic Journal</i> , 2020, 53, 974-985.	5.0	38
28	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
29	Micro-computed Tomography Shaping Ability Assessment of the New Blue Thermal Treated Reciproc Instrument. <i>Journal of Endodontics</i> , 2018, 44, 1146-1150.	3.1	35
30	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
31	3-dimensional Ability Assessment in Removing Root-Filling Material from Pair-matched Oval-shaped Canals Using Thermal-treated Instruments. <i>Journal of Endodontics</i> , 2019, 45, 1135-1141.	3.1	34
32	Shaping efficiency as a function of time of a new heat-treated instrument. <i>International Endodontic Journal</i> , 2019, 52, 337-342.	5.0	33
33	Effectiveness of Reciproc Blue in removing canal filling material and regaining apical patency. <i>International Endodontic Journal</i> , 2019, 52, 250-257.	5.0	33
34	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. <i>International Endodontic Journal</i> , 2020, 53, 1530-1539.	5.0	32
35	Scouting Ability of 4 Pathfinding Instruments in Moderately Curved Molar Canals. <i>Journal of Endodontics</i> , 2016, 42, 1540-1544.	3.1	30
36	Comparison of canal transportation in simulated curved canals prepared with ProTaper Universal and ProTaper Gold systems. <i>Restorative Dentistry & Endodontics</i> , 2016, 41, 1.	1.5	29

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37	Present status and future directions of Minimal endodontic access cavities. International Endodontic Journal, 2022, 55, 531-587.	5.0	29
38	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
39	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
40	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
41	Micro-CT assessment of dentinal microcracks after root canal filling procedures. International Endodontic Journal, 2017, 50, 895-901.	5.0	23
42	A critical analysis of research methods and experimental models to study dentinal microcracks. International Endodontic Journal, 2022, 55, 178-226.	5.0	23
43	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
44	Dentinal microcracks on freshly extracted teeth: the impact of the extraction technique. International Endodontic Journal, 2020, 53, 440-446.	5.0	19
45	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
46	Bending resistance and cyclic fatigue of a new heat-treated reciprocating instrument. Scanning, 2016, 38, 837-841.	1.5	16
47	Arrowhead design ultrasonic tip as a supplementary tool for canal debridement. International Endodontic Journal, 2020, 53, 410-420.	5.0	16
48	Biocompatibility of a Self-adhesive Gutta-percha-based Material in Subcutaneous Tissue of Mice. Journal of Endodontics, 2014, 40, 1869-1873.	3.1	15
49	A critical analysis of research methods and experimental models to study root canal fillings. International Endodontic Journal, 2022, 55, 384-445.	5.0	15
50	Critical appraisal of some methodological aspects of using micro-CT technology in the study of dentinal microcracks in endodontics. International Endodontic Journal, 2016, 49, 216-219.	5.0	14
51	Postoperative Pain after Foraminal Instrumentation with a Reciprocating System and Different Irrigating Solutions. Brazilian Dental Journal, 2015, 26, 216-221.	1.1	13
52	Performance of Reciproc Blue R25 Instruments in Shaping the Canal Space without Glide Path. Journal of Endodontics, 2019, 45, 194-198.	3.1	13
53	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
54	Quantitative transportation assessment in curved canals prepared with an off-centered rectangular design system. Brazilian Oral Research, 2016, 30, e43.	1.4	12

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55	Effect of access cavity design on gaps and void formation in resin composite restorations following root canal treatment on extracted teeth. <i>International Endodontic Journal</i> , 2020, 53, 1540-1548.	5.0	12
56	The influence of the addition of surfactants to sodium hypochlorite on the removal of hard tissue debris. <i>International Endodontic Journal</i> , 2020, 53, 1131-1139.	5.0	12
57	Micro-computed Tomographic Evaluation of Dentinal Microcracks after Preparation of Curved Root Canals with ProTaper Gold, WaveOne Gold, and ProTaper Next Instruments. <i>Journal of Endodontics</i> , 2021, 47, 309-314.	3.1	12
58	Volume and/or Time of NaOCl Influences the Fracture Strength of Endodontically Treated Bovine Teeth. <i>Brazilian Dental Journal</i> , 2019, 30, 31-35.	1.1	11
59	Micro-computed tomographic evaluation of canal retreatments performed by undergraduate students using different techniques. <i>Restorative Dentistry & Endodontics</i> , 2018, 43, e5.	1.5	9
60	Do pre-existing microcracks play a role in the fracture resistance of roots in a laboratory setting?. <i>International Endodontic Journal</i> , 2020, 53, 1506-1515.	5.0	9
61	Root groove depth and inter-orifice canal distance as anatomical predictive factors for danger zone in the mesial root of mandibular first molars. <i>Clinical Oral Investigations</i> , 2021, 25, 3641-3649.	3.0	9
62	Comparison of five rotary systems regarding design, metallurgy, mechanical performance, and canal preparation—a multimethod research. <i>Clinical Oral Investigations</i> , 2022, 26, 3299-3310.	3.0	9
63	Glide Path with Reciprocating Driven Pathfinding Instrument: Performance and Fracture Rate. <i>Journal of Endodontics</i> , 2021, 47, 100-104.	3.1	8
64	Endodontic management of type II dens invaginatus with open apex and large periradicular lesion using the XP-endo Finisher: A case report. <i>Journal of Clinical and Experimental Dentistry</i> , 2018, 10, 0-0.	1.2	7
65	Influence of autoclave sterilization procedures on the cyclic fatigue resistance of heat-treated nickel-titanium instruments: a systematic review. <i>Restorative Dentistry & Endodontics</i> , 2020, 45, e25.	1.5	7
66	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
67	Methodological proposal for evaluation of adhesion of root canal sealers to gutta-percha. <i>International Endodontic Journal</i> , 2021, 54, 1653-1658.	5.0	5
68	Micro-CT assessment of gap-containing areas along the gutta-percha-sealer interface in oval-shaped canals. <i>International Endodontic Journal</i> , 2022, 55, 795-807.	5.0	5
69	Root dentinal microcracks: a post-extraction experimental phenomenon?. <i>International Endodontic Journal</i> , 2020, 53, 137-142.	5.0	4
70	Is canal overinstrumentation able to produce apical root dentinal microcracks in extracted teeth?. <i>International Endodontic Journal</i> , 2021, 54, 1647-1652.	5.0	4
71	Does sodium thiosulphate avoid the formation of the brown-coloured precipitate as an intermediate irrigant between NaOCl and chlorhexidine?. <i>Australian Endodontic Journal</i> , 2022, 48, 72-76.	1.5	4
72	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

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73	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
74	Quantitative transportation assessment in simulated curved canals after large apical preparations. Brazilian Journal of Oral Sciences, 2017, 15, 221.	0.1	0
75	Minimally Invasive Root Canal Instrumentation. , 2021, , 67-92.		0