

Frederico C Martinho

List of Publications by Year in descending order

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84
papers

1,850
citations

185998

28
h-index

301761

39
g-index

86
all docs

86
docs citations

86
times ranked

1689
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of Endotoxins and Cultivable Bacteria in Root Canal Infection before and after Chemomechanical Preparation with 2.5% Sodium Hypochlorite. <i>Journal of Endodontics</i> , 2008, 34, 268-272.	1.4	93
2	Comparison of 2.5% Sodium Hypochlorite and 2% Chlorhexidine Gel on Oral Bacterial Lipopolysaccharide Reduction from Primarily Infected Root Canals. <i>Journal of Endodontics</i> , 2009, 35, 1350-1353.	1.4	88
3	Correlation between Clinical/Radiographic Features and Inflammatory Cytokine Networks Produced by Macrophages Stimulated with Endodontic Content. <i>Journal of Endodontics</i> , 2012, 38, 740-745.	1.4	75
4	Antigenic Activity of Bacterial Endodontic Contents from Primary Root Canal Infection with Periapical Lesions against Macrophage in the Release of Interleukin-1 β and Tumor Necrosis Factor α . <i>Journal of Endodontics</i> , 2010, 36, 1467-1474.	1.4	59
5	Comparison of Endotoxin Levels Found in Primary and Secondary Endodontic Infections. <i>Journal of Endodontics</i> , 2012, 38, 1082-1086.	1.4	59
6	One-Visit Versus Two-Visit Root Canal Treatment: Effectiveness in the Removal of Endotoxins and Cultivable Bacteria. <i>Journal of Endodontics</i> , 2013, 39, 959-964.	1.4	57
7	Clinical Comparison of the Effectiveness of Single-file Reciprocating Systems and Rotary Systems for Removal of Endotoxins and Cultivable Bacteria from Primarily Infected Root Canals. <i>Journal of Endodontics</i> , 2014, 40, 625-629.	1.4	52
8	Comparison of Different Dentin Pretreatment Protocols on the Bond Strength of Glass Fiber Post Using Self-etching Adhesive. <i>Journal of Endodontics</i> , 2015, 41, 83-87.	1.4	52
9	Increased Root Canal Endotoxin Levels are Associated with Chronic Apical Periodontitis, Increased Oxidative and Nitrosative Stress, Major Depression, Severity of Depression, and a Lowered Quality of Life. <i>Molecular Neurobiology</i> , 2018, 55, 2814-2827.	1.9	50
10	Comparison of Endotoxin Levels in Previous Studies on Primary Endodontic Infections. <i>Journal of Endodontics</i> , 2011, 37, 163-167.	1.4	49
11	Effect of GaAlAs low-level laser therapy on the healing of human palate mucosa after connective tissue graft harvesting: randomized clinical trial. <i>Lasers in Medical Science</i> , 2015, 30, 1695-1702.	1.0	49
12	Clinical Investigation of the Efficacy of Chemomechanical Preparation with Rotary Nickel-Titanium Files for Removal of Endotoxin from Primarily Infected Root Canals. <i>Journal of Endodontics</i> , 2010, 36, 1766-1769.	1.4	48
13	Quantification of Endotoxins in Infected Root Canals and Acute Apical Abscess Exudates: Monitoring the Effectiveness of Root Canal Procedures in the Reduction of Endotoxins. <i>Journal of Endodontics</i> , 2014, 40, 177-181.	1.4	43
14	Clinical comparison of the effectiveness of 7- and 14-day intracanal medications in root canal disinfection and inflammatory cytokines. <i>Clinical Oral Investigations</i> , 2018, 22, 523-530.	1.4	42
15	Colonization of oropharynx and lower respiratory tract in critical patients: Risk of ventilator-associated pneumonia. <i>Archives of Oral Biology</i> , 2018, 85, 64-69.	0.8	42
16	Does supplemental photodynamic therapy optimize the disinfection of bacteria and endotoxins in one-visit and two-visit root canal therapy? A randomized clinical trial. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 19, 205-211.	1.3	40
17	Quantification of cultivable bacteria and endotoxin in post-treatment apical periodontitis before and after chemo-mechanical preparation. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2012, 31, 2575-2583.	1.3	38
18	Endodontic retreatment: clinical comparison of reciprocating systems versus rotary system in disinfecting root canals. <i>Clinical Oral Investigations</i> , 2015, 19, 1411-1417.	1.4	37

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19	Correlation between Volume of Apical Periodontitis Determined by Cone-beam Computed Tomography Analysis and Endotoxin Levels Found in Primary Root Canal Infection. <i>Journal of Endodontics</i> , 2015, 41, 1015-1019.	1.4	36
20	Clinical Investigation of Matrix Metalloproteinases, Tissue Inhibitors of Matrix Metalloproteinases, and Matrix Metalloproteinase/Tissue Inhibitors of Matrix Metalloproteinase Complexes and Their Networks in Apical Periodontitis. <i>Journal of Endodontics</i> , 2016, 42, 1082-1088.	1.4	36
21	Does the Reciproc file remove root canal bacteria and endotoxins as effectively as multife rotary systems?. <i>International Endodontic Journal</i> , 2015, 48, 542-548.	2.3	35
22	Influence of the apical enlargement size on the endotoxin level reduction of dental root canals. <i>Journal of Applied Oral Science</i> , 2012, 20, 661-666.	0.7	34
23	Accuracy and efficiency of guided root resection using a dynamic navigation system: a human cadaver study. <i>International Endodontic Journal</i> , 2021, 54, 793-801.	2.3	34
24	Antigenicity of Primary Endodontic Infection against Macrophages by the Levels of PGE2 Production. <i>Journal of Endodontics</i> , 2011, 37, 602-607.	1.4	32
25	Microbiological Profile Resistant to Different Intracanal Medications in Primary Endodontic Infections. <i>Journal of Endodontics</i> , 2015, 41, 824-830.	1.4	32
26	Participation of endotoxin in root canal infections: A systematic review and meta-analysis. <i>European Journal of Dentistry</i> , 2017, 11, 398-406.	0.8	31
27	Clinical investigation of bacterial species and endotoxin in endodontic infection and evaluation of root canal content activity against macrophages by cytokine production. <i>Clinical Oral Investigations</i> , 2014, 18, 2095-2102.	1.4	30
28	Clinical Influence of Different Intracanal Medications on Th1-type and Th2-type Cytokine Responses in Apical Periodontitis. <i>Journal of Endodontics</i> , 2015, 41, 169-175.	1.4	30
29	Signaling Pathways Activation by Primary Endodontic Infectious Contents and Production of Inflammatory Mediators. <i>Journal of Endodontics</i> , 2014, 40, 484-489.	1.4	29
30	Clinical efficacy of EDTA ultrasonic activation in the reduction of endotoxins and cultivable bacteria. <i>International Endodontic Journal</i> , 2017, 50, 933-940.	2.3	27
31	Comparison between inflammation-related markers in peri-implant crevicular fluid and clinical parameters during osseointegration in edentulous jaws. <i>Clinical Oral Investigations</i> , 2018, 22, 531-543.	1.4	24
32	Accuracy and Efficiency of 3-dimensional Dynamic Navigation System for Removal of Fiber Post from Root Canal Treated Teeth. <i>Journal of Endodontics</i> , 2021, 47, 1453-1460.	1.4	24
33	Real-time 3-dimensional Dynamic Navigation System in Endodontic Microsurgery: A Cadaver Study. <i>Journal of Endodontics</i> , 2022, 48, 922-929.	1.4	24
34	Monitoring the effectiveness of root canal procedures on endotoxin levels found in teeth with chronic apical periodontitis. <i>Journal of Applied Oral Science</i> , 2014, 22, 490-495.	0.7	23
35	Healing of Apical Periodontitis after Nonsurgical Root Canal Treatment: The Role of Statin Intake. <i>Journal of Endodontics</i> , 2018, 44, 1355-1360.	1.4	23
36	S. mutans gene-modification and antibacterial resin composite as dual strategy to suppress biofilm acid production and inhibit caries. <i>Journal of Dentistry</i> , 2020, 93, 103278.	1.7	23

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37	Proinflammatory Activity of Primarily Infected Endodontic Content against Macrophages after Different Phases of the Root Canal Therapy. <i>Journal of Endodontics</i> , 2015, 41, 817-823.	1.4	22
38	Comparison of cytotoxicity, genotoxicity and immunological inflammatory biomarker activity of several endodontic sealers against immortalized human pulp cells. <i>International Endodontic Journal</i> , 2018, 51, 41-57.	2.3	22
39	Comparison of <i>Fusobacterium nucleatum</i> and <i>Porphyromonas gingivalis</i> Lipopolysaccharides Clinically Isolated from Root Canal Infection in the Induction of Pro-Inflammatory Cytokines Secretion. <i>Brazilian Dental Journal</i> , 2016, 27, 202-207.	0.5	20
40	Prospects on Nano-Based Platforms for Antimicrobial Photodynamic Therapy Against Oral Biofilms. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2020, 38, 481-496.	0.7	18
41	A Cross-sectional Survey on the Impact of Coronavirus Disease 2019 on the Clinical Practice of Endodontists across the United States. <i>Journal of Endodontics</i> , 2021, 47, 28-38.	1.4	18
42	Tooth sealing formulation with bacteria-killing surface and on-demand ion release/recharge inhibits early childhood caries key pathogens. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 3217-3227.	1.6	16
43	Aerosols Generated during Endodontic Treatment: A Special Concern during the Coronavirus Disease 2019 Pandemic. <i>Journal of Endodontics</i> , 2021, 47, 732-739.	1.4	15
44	Comparison of the effectiveness of single- and multiple-sessions disinfection protocols against endotoxins in root canal infections: systematic review and meta-analysis. <i>Scientific Reports</i> , 2021, 11, 1226.	1.6	14
45	Light Energy Dose and Photosensitizer Concentration Are Determinants of Effective Photo-Killing against Caries-Related Biofilms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7612.	1.8	13
46	Influence of Bacterial Profiles in Cytokine and Clinical Features of Endodontic Disease. <i>Journal of Endodontics</i> , 2021, 47, 1265-1271.	1.4	13
47	Macrophage Cell Activation with Acute Apical Abscess Contents Determined by Interleukin-1 Beta and Tumor Necrosis Factor Alpha Production. <i>Journal of Endodontics</i> , 2014, 40, 1752-1757.	1.4	12
48	Prevalence of <i>Treponema</i> Species Detected in Endodontic Infections: Systematic Review and Meta-regression Analysis. <i>Journal of Endodontics</i> , 2015, 41, 579-587.	1.4	10
49	Effect of EDTA and QMIX Ultrasonic Activation on the Reduction of Microorganisms and Endotoxins in Ex Vivo Human Root Canals. <i>Brazilian Dental Journal</i> , 2019, 30, 220-226.	0.5	10
50	Relationship between patient's education level and knowledge on oral health preventive measures. <i>International Dental & Medical Journal of Advanced Research - VOLUME 2015</i> , 2015, 1, 1-7.	0.2	10
51	<i>Treponema</i> diversity in root canals with endodontic failure. <i>European Journal of Dentistry</i> , 2013, 07, 061-068.	0.8	9
52	Microbial Profile and Endotoxin Levels in Primary Periodontal Lesions with Secondary Endodontic Involvement. <i>Brazilian Dental Journal</i> , 2019, 30, 356-362.	0.5	9
53	Clinical influence of calcium hydroxide and N-acetylcysteine on the levels of resolvins E1 and D2 in apical periodontitis. <i>International Endodontic Journal</i> , 2021, 54, 61-73.	2.3	9
54	Nonsurgical endodontic management of dens invaginatus: a report of two cases. <i>F1000Research</i> , 2019, 8, 2039.	0.8	9

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55	Comparison of Different Irrigants in the Removal of Endotoxins and Cultivable Microorganisms from Infected Root Canals. <i>Scientific World Journal, The</i> , 2015, 2015, 1-6.	0.8	8
56	Advancing Photodynamic Therapy for Endodontic Disinfection with Nanoparticles: Present Evidence and Upcoming Approaches. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4759.	1.3	8
57	Investigation of <i>in vivo</i> of <i>Enterococcus faecalis</i> in endodontic retreatment by phenotypic and genotypic methods. <i>Acta Scientiarum - Health Sciences</i> , 2015, 37, 95.	0.2	7
58	Culture and molecular analysis of <i>Enterococcus faecalis</i> and antimicrobial susceptibility of clinical isolates from patients with failure endodontic treatment. <i>Brazilian Dental Science</i> , 2014, 17, 83-91.	0.1	7
59	Investigation of Bacterial Contents From Persistent Endodontic Infection and Evaluation of Their Inflammatory Potential. <i>Brazilian Dental Journal</i> , 2016, 27, 412-418.	0.5	6
60	Low shrinkage stress nanocomposite: An insight into shrinkage stress, antibacterial, and ion release properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 1124-1134.	1.6	6
61	Efficacy of GentleWave System and Passive Ultrasonic Irrigation with Minimally Invasive and Conventional Instrumentation Technique against <i>Enterococcus faecalis</i> Lipoteichoic Acid in Infected Root Canals. <i>Journal of Endodontics</i> , 2022, 48, 768-774.	1.4	6
62	Correlation Between Volume of Root Canal, Cultivable Bacteria, Bacterial Complexes and Endotoxins in Primary Infection. <i>Brazilian Dental Journal</i> , 2019, 30, 117-122.	0.5	5
63	Dental Abscess to Septic Shock: A Case Report and Literature Review. <i>Journal of Endodontics</i> , 2021, 47, 663-670.	1.4	5
64	Effects of Calcium Hydroxide Intracanal Medications on T Helper (Th1, Th2, Th9, Th17, and Tfh) and Regulatory T (Treg) Cell Cytokines in Apical Periodontitis: A CONSORT RCT. <i>Journal of Endodontics</i> , 2022, 48, 975-984.	1.4	5
65	Comparison of two rotary systems in bacteria/lps removal from endodontic infections: randomized clinical trial. <i>Brazilian Oral Research</i> , 2019, 33, e039.	0.6	4
66	Resolution of Nasal Sinus Tract after Endodontic Therapy: A Case Report with Microbial Analysis. <i>Journal of Endodontics</i> , 2021, 47, 327-334.	1.4	4
67	Three Dimensional mapping of the root apex: distances between apexes and anatomical structures and external cortical plates. <i>Brazilian Oral Research</i> , 2021, 35, e022.	0.6	4
68	PCR identification of endodontic pathogens and DNA quantification in samples from teeth with posttreatment apical periodontitis. <i>Clinical and Laboratorial Research in Dentistry</i> , 2014, 20, 197.	0.1	4
69	<i>Treponema</i> diversity in root canals with endodontic failure. <i>European Journal of Dentistry</i> , 2013, 7, 61-8.	0.8	4
70	Comparison of GentleWave system and passive ultrasonic irrigation with minimally invasive and conventional instrumentation against LPS in infected root canals. <i>Scientific Reports</i> , 2022, 12, 4894.	1.6	4
71	Impact of N-acetylcysteine (NAC) and calcium hydroxide intracanal medications in primary endodontic infection: a randomized clinical trial. <i>Clinical Oral Investigations</i> , 2023, 27, 817-826.	1.4	4
72	OSCE online teaching in predoctoral endodontics. <i>Journal of Dental Education</i> , 2020, 85, 1032.	0.7	2

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73	Clinical influence of calcium hydroxide intracanal medications on matrix metalloproteinases and tissue inhibitors of metalloproteinases in apical periodontitis. <i>Clinical Oral Investigations</i> , 2022, 26, 643-650.	1.4	2
74	Evaluation of 0.5% peracetic acid and 2.5% sodium hypochlorite on smear layer removal of root canal instrumented by three rotary systems. <i>Brazilian Dental Science</i> , 2014, 17, 62-71.	0.1	1
75	Evaluation of the Influence of the Nd:YAG Laser and Different Irrigants on the Bond Strength of the Adhesion of the Fiber Posts to Root Dentin using a Self-etching Adhesive System. <i>World Journal of Dentistry</i> , 2013, 4, 170-174.	0.1	1
76	Positively Charged Polyvinylidene Fluoride (PVDF) Membrane: A Potential Alternative for Absorbent Paper Points in Endodontics. <i>Journal of Endodontics</i> , 2021, , .	1.4	1
77	Comparison of the effectiveness of 3 irrigation devices for the cleaning of root canal walls instrumented with oscillatory and rotary techniques. <i>General Dentistry</i> , 2015, 63, 71-4.	0.4	1
78	REABSORÇÃO RADICULAR INTERNA E EXTERNA: DIAGNÓSTICO E CONDUTA CLÍNICA. <i>Arquivos Do Mudi</i> , 2016, 19, 43.	0.1	0
79	Anticoagulant effects of phytotherapeutic drugs and their importance in surgical dental procedures. <i>Rgo</i> , 2017, 65, 148-150.	0.2	0
80	Efficacy of chemo-mechanical preparation with different substances and the use of a root canal medication in dog's teeth with induced periapical lesion. <i>Dental Press Endodontics</i> , 2011, 1, 37-45.	0.0	0
81	Effect of root perforations on the bond strength of fiberglass post using different adhesive systems and resin cement. <i>Brazilian Dental Science</i> , 2013, 16, 84.	0.1	0
82	Investigation of virulence factors of <i>Enterococcus faecalis</i> strains isolated in secondary/ persistent infections. <i>Brazilian Dental Science</i> , 2014, 17, 32-38.	0.1	0
83	Cone-beam Computed Tomographic Analysis: Comparison of the Efficacy of Two Rotary Retreatment Systems for Removal of Filling Material from Primary Teeth Obturated with Contemporary Endodontic Sealers. <i>World Journal of Dentistry</i> , 2015, 6, 129-137.	0.1	0
84	Diversidade bacteriana nas infecções endodônticas primárias e secundárias/persistentes através da técnica de Checkerboard DNA-DNA Hybridization. <i>Dental Press Endodontics</i> , 2017, 7, 61-66.	0.0	0