Giulio Gavini

List of Publications by Year
in descending order

69 papers	1,851 citations	279487 23 h-index	276539 41 g-index
69 all docs	69 docs citations	69 times ranked	2148 citing authors

#	Article	IF	Citations
1	Evaluation of Radiopacity, pH, Release of Calcium Ions, and Flow of a Bioceramic Root Canal Sealer. Journal of Endodontics, 2012, 38, 842-845.	1.4	248
2	Nickelâ€“titanium instruments in endodontics: a concise review of the state of the art. Brazilian Oral Research, 2018, 32, e67.	0.6	140
3	Resistance to Flexural Fatigue of Reciproc R25 Files under Continuous Rotation and Reciprocating Movement. Journal of Endodontics, 2012, 38, 684-687.	1.4	130
4	Cytotoxicity, genotoxicity and antibacterial effectiveness of a bioceramic endodontic sealer. International Endodontic Journal, 2016, 49, 858-864.	2.3	85
5	Effect of the Combination of Sodium Hypochlorite and Chlorhexidine on Dentinal Permeability and Scanning Electron Microscopy Precipitate Observation. Journal of Endodontics, 2010, 36, 847-850.	1.4	68
6	Cytotoxicity analysis of EDTA and citric acid applied on murine resident macrophages culture. International Endodontic Journal, 2007, 40, 338-343.	2.3	63
7	Microâ€“Computed Tomographic Evaluation of Hard Tissue Debris Removal after Different Irrigation Methods andÂItsÂInfluence on the Filling of Curved Canals. Journal of Endodontics, 2015, 41, 1660-1666.	1.4	61
8	In Vitro Evaluation of the Cytotoxic Effects of Acid Solutions Used as Canal Irrigants. Journal of Endodontics, 2005, 31, 746-748.	1.4	55
9	Determination of pulp vitality in vivo with pulse oximetry. International Endodontic Journal, 2008, 41, 741-746.	2.3	54
10	Photobiomodulation enhancement of cell proliferation at 660â€¯nm does not require cytochrome c oxidase. Journal of Photochemistry and Photobiology B: Biology, 2019, 194, 71-75.	1.7	51
11	Micro-Computed Tomographic Evaluation of 2 Nickel-Titanium Instrument Systems in Shaping Root Canals. Journal of Endodontics, 2016, 42, 496-499.	1.4	50
12	Presence of Voids after Continuous Wave of Condensation and Single-cone Obturation in Mandibular Molars: A Micro-computed Tomography Analysis. Journal of Endodontics, 2017, 43, 638-642.	1.4	50
13	A microâ€computed tomography evaluation of longâ€oval canal preparation using reciprocating or rotary systems. International Endodontic Journal, 2015, 48, 1001-1006.	2.3	45
14	Micropushâ€out dentine bond strength of a new guttaâ€percha and niobium phosphate glass composite. International Endodontic Journal, 2015, 48, 451-459.	2.3	39
15	Pulp Vitality in Patients with Intraoral and Oropharyngeal Malignant Tumors Undergoing Radiation Therapy Assessed by Pulse Oximetry. Journal of Endodontics, 2011, 37, 1197-1200.	1.4	35
16	Cyclic Fatigue Resistance of Rotary Nickel-Titanium Instruments Submitted to Nitrogen Ion Implantation. Journal of Endodontics, 2010, 36, 1183-1186.	1.4	32
17	Effect of ultrasonic activation on the reduction of bacteria and endotoxins in root canals: a randomized clinical trial. International Endodontic Journal, 2018, 51, e12-e22.	2.3	32
18	Micro Push-out Bond Strength and Bioactivity Analysis of a Bioceramic Root Canal Sealer. Iranian Endodontic Journal, 2017, 12, 343-348.	0.8	31

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19	Ex vivo evaluation of the effects of several root canal preparation techniques and irrigation regimens on a mixed microbial infection. International Endodontic Journal, 2013, 46, 217-224.	2.3	29
20	Influence of pulp vitality on length determination by using the elements diagnostic unit and apex locator. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 104, e129-e132.	1.6	28
21	Microscopic computerized tomographic evaluation of root canal transportation prepared with twisted or ground nickel-titanium rotary instruments. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2011, 112, e143-e148.	1.6	28
22	Apical Root Canal Transportation and Remaining Dentin Thickness Associated with ProTaper Universal with and without PathFile. Journal of Endodontics, 2014, 40, 688-693.	1.4	28
23	Assessing apical transportation in curved canals: comparison between cross-sections and micro-computed tomography. Brazilian Oral Research, 2012, 26, 222-227.	0.6	25
24	Ions Release and pH of Calcium Hydroxide-, Chlorhexidine- and Bioactive Glass-Based Endodontic Medicaments. Brazilian Dental Journal, 2016, 27, 325-331.	0.5	25
25	In vivo experimental model of orthotopic dental pulp regeneration under the influence of photobiomodulation therapy. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 180-186.	1.7	25
26	Pulse oximetry: a useful test for evaluating pulp vitality in traumatized teeth. Dental Traumatology, 2016, 32, 385-389.	0.8	24
27	Cyclic Fatigue Resistance of Rotary NiTi Instruments after Simulated Clinical Use in Curved Root Canals. Brazilian Dental Journal, 2013, 24, 117-120.	0.5	23
28	Late Effects of Head and Neck Radiotherapy on Pulp Vitality Assessed by Pulse Oximetry. Journal of Endodontics, 2016, 42, 886-889.	1.4	23
29	Counterclockwise or clockwise reciprocating motion for oval root canal preparation: a microâ€<scp>CT</scp> analysis. International Endodontic Journal, 2018, 51, 541-548.	2.3	23
30	Comparative analyses of ion release, pH and multispecies biofilm formation between conventional and bioactive gutta-percha. International Endodontic Journal, 2016, 49, 1048-1056.	2.3	22
31	Influence of dentin on pH of 2% chlorhexidine gel and calcium hydroxide alone or in combination. Dental Traumatology, 2010, 26, 276-280.	0.8	21
32	RNA-based Assay Demonstrated Enterococcus faecalis Metabolic Activity after Chemomechanical Procedures. Journal of Endodontics, 2015, 41, 1441-1444.	1.4	21
33	Microâ€“computed Tomography versus the Cross-sectioning Method to Evaluate Dentin Defects Induced by Different Mechanized Instrumentation Techniques. Journal of Endodontics, 2017, 43, 2102-2107.	1.4	21
34	Not All Electronic Foramen Locators Are Accurate in Teeth with Enlarged Apical Foramina: An InÂVitro Comparison of 5 Brands. Journal of Endodontics, 2014, 40, 109-112.	1.4	19
35	Influence of pulp condition on the accuracy of an electronic foramen locator in posterior teeth: an in vivo study. Brazilian Oral Research, 2012, 26, 106-111.	0.6	18
36	Influence of Apical Patency and Cleaning of the Apical Foramen on Periapical Extrusion in Retreatment. Brazilian Dental Journal, 2013, 24, 482-486.	0.5	16

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37	Effects of Contemporary Irrigant Activation Schemes and Subsequent Placement of an Interim Dressing on Bacterial Presence and Activity in Root Canals Associated with Asymptomatic Apical Periodontitis. Journal of Clinical Medicine, 2020, 9, 854.	1.0	15
38	Ex vivo evaluation of three instrumentation techniques on E. faecalis biofilm within oval shaped root canals. Brazilian Oral Research, 2015, 29, 1-7.	0.6	13
39	Assessment of Mechanical Root Canal Preparation with Centric Reciprocating or Eccentric Rotary Kinematics: A Microâ€“computed Tomographic Study. Journal of Endodontics, 2020, 46, 1309-1316.	1.4	12
40	Blooming artifact reduction using different cone-beam computed tomography software to analyze endodontically treated teeth with intracanal posts. Computers in Biology and Medicine, 2021, 136, 104679.	3.9	11
41	Synthesis and characterization of experimental endodontic sealers containing bioactive glasses particles of NbG or 45S5. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104971.	1.5	11
42	Eight-year follow-up of autogenous tooth transplantation involving multidisciplinary treatment. Journal of Oral Science, 2015, 57, 273-276.	0.7	9
43	Torsional fatigue strength of reciprocating and rotary pathfinding instruments manufactured from different NiTi alloys. Brazilian Oral Research, 2019, 33, e097.	0.6	9
44	Effect of chemical and Er:YAG laser treatment on bond strength of root canal resin-based sealers. Lasers in Medical Science, 2013, 28, 253-258.	1.0	8
45	Penetration of bioceramic and epoxy-resin endodontic cements into lateral canals. Brazilian Oral Research, 2019, 33, e049.	0.6	8
46	Analysis of Active Bacteria Persisting after Chemomechanical Procedures: An RNA- and DNA-based Molecular Study. Journal of Endodontics, 2020, 46, 1570-1576.	1.4	8
47	Effect of Nitrogen Ion Implantation on the Flexibility of Rotary Nickel-Titanium Instruments. Journal of Endodontics, 2012, 38, 673-675.	1.4	6
48	The Influence of Dentine on the pH of Calcium Hydroxide, Chlorhexidine Gel, and Experimental Bioactive Glass-Based Root Canal Medicament. Scientific World Journal, The, 2015, 2015, 1-5.	0.8	6
49	Effect of different torques in cyclic fatigue resistance of K3 rotary instruments. Brazilian Journal of Oral Sciences, 2015, 14, 122-125.	0.1	5
50	Effect of rewetting solutions on micropush-out dentin bond strength of new bioceramic endodontic material. Brazilian Oral Research, 2017, 31, e76.	0.6	5
51	Diffusion of calcitonin through the wall of the root canal. Brazilian Oral Research, 2004, 18, 59-62.	0.6	5
52	Nature and Prevalence of Bacterial Taxa Persisting after Root Canal Chemomechanical Preparation in Permanent Teeth: A Systematic Review and Meta-analysis. Journal of Endodontics, 2022, 48, 572-596.	1.4	5
53	Cytotoxic Effect of Niobium Phosphate Glassâ€“based Gutta-Percha Points on Periodontal Ligament Fibroblasts InÂVitro. Journal of Endodontics, 2020, 46, 1297-1301.	1.4	4
54	Micro-CT Evaluation of Gutta-Percha Removal by Two Retreatment Systems. Iranian Endodontic Journal, 2018, 13, 221-227.	0.8	4

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55	Comparison of rRNA-based reverse transcription PCR and rDNA-based PCR for the detection of streptococci in root canal infections. Journal of Applied Oral Science, 2019, 27, e20180256.	0.7	3
56	Optimum glide path motion is safer than continuous rotation of files in glide path preparation. Australian Endodontic Journal, 2021, , .	0.6	3
57	Knowledge about Coronavirus disease 19 (COVID-19) and its professional repercussions among Brazilian endodontists. Brazilian Oral Research, 2020, 34, e117.	0.6	3
58	Influence of pulp condition on the accuracy of an electronic foramen locator in posterior teeth: an in vivo study. Brazilian Oral Research, 2012, 26, 106-11.	0.6	3
59	FE-SEM Evaluation of Dental Specimens Prepared by Different Methods forIn VitroContamination. International Journal of Dentistry, 2012, 2012, 1-5.	0.5	2
60	Analysis of Demineralized Chemical Substances for Disinfecting Gutta-percha Cones. Iranian Endodontic Journal, 2018, 13, 318-322.	0.8	2
61	<title>CO<formula><inf><roman>2</roman></inf></formula> laser on apical seal of retrofilled teeth</title>. , 1997, 2973, 168.		1
62	Association of Er:YAG and Nd:YAG irradiation for apicoectomy and retrofilling cavity preparation compared to conventional technique: a permeability study. , 1999, 3593, 2.		1
63	Retrospective study of endodontic treatment performed by undergraduate students using reciprocating instrumentation and singleâ€cone obturation. Journal of Dental Education, 2022, 86, 751-758.	0.7	1
64	In-vitro evaluation of Er:YAG laser irradiation in apicoectomy and retrofilling cavity preparation compared to two other techniques. , 1998, , .		0
65	Morphological analysis of the retrofilled apical dentin surfaces irradiated with CO 2 laser. , 1998, , .		0
66	AvaliaÃ§Ã£o, por meio da microtomografia computadorizada, do acÃºmulo de debris dentinÃ¡rios apÃ³s o preparo do canal com um instrumento Ãºnico reciprocante. Clinical and Laboratorial Research in Dentistry, 2014, 20, 209.	0.1	0
67	Effectiveness of18F-sodium fluoride positron emission tomography/computed tomography scan in the early detection of periradicular lesions. Journal of Oral and Maxillofacial Radiology, 2014, 2, 82.	0.2	0
68	Influence of cross-section and number of use in cyclic fatigue resistance of rotary instruments. Brazilian Journal of Oral Sciences, 0, 18, e191208.	0.1	0
69	Retratamento endodÃ´ntico seletivo de molar inferior com periodontite apical â€“ relato de caso. Research, Society and Development, 2022, 11, e46411125211.	0.0	0