Christos Boutsioukis

List of Publications by Year
in descending order

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40 papers	2,210 citations	236925 25 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	1168 citing authors

#	Article	IF	Citations
1	Methodological quality assessment criteria for the evaluation of laboratoryâ€based studies included in systematic reviews within the specialty of Endodontology: A development protocol. International Endodontic Journal, 2022, 55, 326-333.	5.0	3
2	A critical analysis of research methods and experimental models to study irrigants and irrigation systems. International Endodontic Journal, 2022, 55, 295-329.	5.0	28
3	The Effect of the Ultrasonic Irrigant Activation Protocol on the Removal of a Dual-species Biofilm from Artificial Lateral Canals. Journal of Endodontics, 2022, 48, 775-780.	3.1	13
4	Need for criteria to appraise the methodological quality of laboratoryâ€based studies included in systematic reviews within the speciality of Endodontology. International Endodontic Journal, 2022, 55, 278-281.	5.0	0
5	Present status and future directions â€“ irrigants and irrigation methods. International Endodontic Journal, 2022, 55, 588-612.	5.0	72
6	Irrigant flow in the root canal during ultrasonic activation: A numerical fluidâ€“structure interaction model and its validation. International Endodontic Journal, 2022, 55, 938-949.	5.0	3
7	Biofilm removal from a simulated isthmus and lateral canal during syringe irrigation at various flow rates: a combined experimental and Computational Fluid Dynamics approach. International Endodontic Journal, 2021, 54, 427-438.	5.0	23
8	PRILE 2021 guidelines for reporting laboratory studies in Endodontology: A consensusâ€based development. International Endodontic Journal, 2021, 54, 1482-1490.	5.0	153
9	Syringe Irrigation in Minimally Shaped Root Canals Using 3 Endodontic Needles: A Computational Fluid Dynamics Study. Journal of Endodontics, 2021, 47, 1487-1495.	3.1	24
10	Internal Tooth Anatomy and Root Canal Irrigation. , 2019, , 303-321.		5
11	Subcutaneous emphysema in patients undergoing root canal treatment: a systematic review of the factors affecting its development and management. International Endodontic Journal, 2019, 52, 1586-1604.	5.0	11
12	Ultrasonic Irrigant Activation during Root Canal Treatment: A Systematic Review. Journal of Endodontics, 2019, 45, 31-44.e13.	3.1	91
13	Cleaning of used rotary nickelâ€titanium files in an ultrasonic bath by locally intensified acoustic cavitation. International Endodontic Journal, 2018, 51, 457-468.	5.0	8
14	Observer variation in the assessment of root canal curvature. International Endodontic Journal, 2017, 50, 167-176.	5.0	13
15	Apical negative pressure irrigation versus syringe irrigation: a systematic review of cleaning and disinfection of the root canal system. International Endodontic Journal, 2017, 50, 1034-1054.	5.0	26
16	Uncontrolled Removal of Dentin during InÂVitro Ultrasonic Irrigant Activation inÂCurvedÂRoot Canals. Journal of Endodontics, 2016, 42, 1545-1549.	3.1	25
17	Uncontrolled Removal of Dentin during InÂVitro Ultrasonic Irrigant Activation. Journal of Endodontics, 2016, 42, 289-293.	3.1	29
18	Porosity distribution in root canals filled with gutta percha and calcium silicate cement. Dental Materials, 2015, 31, 1100-1108.	3.5	43

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19	Syringe Irrigation: Blending Endodontics and Fluid Dynamics. , 2015, , 45-64.		13
20	Root Canal Irrigation. Springer Series on Biofilms, 2015, , 259-301.	0.1	8
21	Acoustic streaming induced by an ultrasonically oscillating endodontic file. Journal of the Acoustical Society of America, 2014, 135, 1717-1730.	1.1	37
22	The effect of flow rate and agitation technique on irrigant extrusion ex vivo. International Endodontic Journal, 2014, 47, 487-496.	5.0	52
23	Formation and removal of apical vapor lock during syringe irrigation: a combined experimental and Computational Fluid Dynamics approach. International Endodontic Journal, 2014, 47, 191-201.	5.0	53
24	Effect of Needle Insertion Depth and Root Canal Curvature on Irrigant Extrusion ExÂVivo. Journal of Endodontics, 2013, 39, 521-524.	3.1	70
25	Measurement and visualization of fileâ€toâ€wall contact during ultrasonically activated irrigation in simulated canals. International Endodontic Journal, 2013, 46, 1046-1055.	5.0	58
26	Factors affecting irrigant extrusion during root canal irrigation: a systematic review. International Endodontic Journal, 2013, 46, 599-618.	5.0	73
27	A new method for realâ€time quantification of irrigant extrusion during root canal irrigation ex vivo. International Endodontic Journal, 2013, 46, 619-631.	5.0	47
28	Irrigant transport into dental microchannels. Microfluidics and Nanofluidics, 2013, 16, 1165.	2.2	7
29	Role of the confinement of a root canal on jet impingement during endodontic irrigation. Experiments in Fluids, 2012, 53, 1841-1853.	2.4	37
30	Irrigant flow in the root canal: experimental validation of an unsteady Computational Fluid Dynamics model using highâ€speed imaging. International Endodontic Journal, 2010, 43, 393-403.	5.0	56
31	The effect of apical preparation size on irrigant flow in root canals evaluated using an unsteady Computational Fluid Dynamics model. International Endodontic Journal, 2010, 43, 874-881.	5.0	124
32	The effect of root canal taper on the irrigant flow: evaluation using an unsteady Computational Fluid Dynamics model. International Endodontic Journal, 2010, 43, 909-916.	5.0	104
33	Evaluation of Irrigant Flow in the Root Canal Using Different Needle Types by an Unsteady Computational Fluid Dynamics Model. Journal of Endodontics, 2010, 36, 875-879.	3.1	167
34	The Effect of Needle-insertion Depth on the Irrigant Flow in the Root Canal: Evaluation Using an Unsteady Computational Fluid Dynamics Model. Journal of Endodontics, 2010, 36, 1664-1668.	3.1	141
35	Irrigant flow within a prepared root canal using various flow rates: a Computational Fluid Dynamics study. International Endodontic Journal, 2009, 42, 144-155.	5.0	188
36	Exâ€vivo areaâ€metric analysis of root canal obturation using guttaâ€percha cones of different taper. International Endodontic Journal, 2009, 42, 491-498.	5.0	28

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37	Ex Vivo Study of the Efficiency of Two Techniques for the Removal of Mineral Trioxide Aggregate Used as a Root Canal Filling Material. Journal of Endodontics, 2008, 34, 1239-1242.	3.1	110
38	Measurement of pressure and flow rates during irrigation of a root canal ex vivo with three endodontic needles. International Endodontic Journal, 2007, 40, 504-513.	5.0	127
39	Clinical relevance of standardization of endodontic irrigation needle dimensions according to the ISO 9626:1991 and 9626:1991/Amd 1:2001 specification. International Endodontic Journal, 2007, 40, 700-706.	5.0	27
40	Removal efficacy of various calcium hydroxide/chlorhexidine medicaments from the root canal. International Endodontic Journal, 2006, 39, 55-61.	5.0	110