H F Duncan

List of Publications by Year
in descending order

89 papers	3,182 citations	201674 27 h-index	168389 53 g-index
95 all docs	95 docs citations	95 times ranked	2442 citing authors

#	Article	IF	Citations
1	Histological, ultrastructural and quantitative investigations on the response of healthy human pulps to experimental capping with mineral trioxide aggregate: a randomized controlled trial. International Endodontic Journal, 2008, 41, 128-150.	5.0	310
2	European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal, 2019, 52, 923-934.	5.0	268
3	Management of deep caries and the exposed pulp. International Endodontic Journal, 2019, 52, 949-973.	5.0	203
4	Histone Acetylation as a Regenerative Target in the Dentine-Pulp Complex. Frontiers in Genetics, 2020, 11, 1.	2.3	173
5	Exploiting the Bioactive Properties of the Dentin-Pulp Complex in Regenerative Endodontics. Journal of Endodontics, 2016, 42, 47-56.	3.1	144
6	Minimally invasive endodontics: a new diagnostic system for assessing pulpitis and subsequent treatment needs. International Endodontic Journal, 2017, 50, 825-829.	5.0	138
7	YouTube as a patientâ€information source for root canal treatment. International Endodontic Journal, 2016, 49, 1194-1200.	5.0	106
8	Pulpotomy for mature carious teeth with symptoms of irreversible pulpitis: A systematic review. Journal of Dentistry, 2019, 88, 103158.	4.1	103
9	Endodontic instrument fracture: causes and prevention. British Dental Journal, 2013, 214, 341-348.	0.6	88
10	Efficacy of direct pulp capping for management of cariously exposed pulps in permanent teeth: a systematic review and metaâ€analysis. International Endodontic Journal, 2021, 54, 556-571.	5.0	84
11	Clinical decision-making after endodontic instrument fracture. British Dental Journal, 2013, 214, 395-400.	0.6	63
12	Present status and future directionsâ€”Vital pulp treatment and pulp preservation strategies. International Endodontic Journal, 2022, 55, 497-511.	5.0	63
13	PRIRATE 2020 guidelines for reporting randomized trials in Endodontics: a consensusâ€based development. International Endodontic Journal, 2020, 53, 764-773.	5.0	58
14	Histone Deacetylase Inhibitors Induced Differentiation and Accelerated Mineralization of Pulp-derived Cells. Journal of Endodontics, 2012, 38, 339-345.	3.1	57
15	Histological, ultrastructural and quantitative investigations on the response of healthy human pulps to experimental capping with Mineral Trioxide Aggregate: a randomized controlled trial^{Â¶}. International Endodontic Journal, 2009, 42, 422-444.	5.0	55
16	The impact of fractured endodontic instruments on treatment outcome. British Dental Journal, 2013, 214, 285-289.	0.6	55
17	The potential association between smoking and endodontic disease. International Endodontic Journal, 2006, 39, 843-854.	5.0	53
18	Histone deacetylase inhibitors epigenetically promote reparative events in primary dental pulp cells. Experimental Cell Research, 2013, 319, 1534-1543.	2.6	49

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19	Dissecting dentineâ€“pulp injury and wound healing responses: consequences for regenerative endodontics. International Endodontic Journal, 2019, 52, 261-266.	5.0	46
20	Association between cardiovascular diseases and apical periodontitis: an umbrella review. International Endodontic Journal, 2020, 53, 1374-1386.	5.0	43
21	HDACi. Journal of Dental Research, 2011, 90, 1377-1388.	5.2	42
22	Removal of root filling materials. Endodontic Topics, 2008, 19, 33-57.	0.5	41
23	A prospective clinical study investigating the effectiveness of partial pulpotomy after relating preoperative symptoms to a new and established classification of pulpitis. International Endodontic Journal, 2021, 54, 2156-2172.	5.0	39
24	Growth Factors and Cell Homing in Dental Tissue Regeneration. Current Oral Health Reports, 2018, 5, 276-285.	1.6	37
25	Epigenetic Approaches to the Treatment of Dental Pulp Inflammation and Repair: Opportunities and Obstacles. Frontiers in Genetics, 2018, 9, 311.	2.3	36
26	Epigenetic modulation of dental pulp stem cells: implications for regenerative endodontics. International Endodontic Journal, 2016, 49, 431-446.	5.0	35
27	Outcome measures to assess the effectiveness of endodontic treatment for pulpitis and apical periodontitis for use in the development of European Society of Endodontology (ESE) S3 level clinical practice guidelines: a protocol. International Endodontic Journal, 2021, 54, 646-654.	5.0	31
28	Outcome measures to assess the effectiveness of endodontic treatment for pulpitis and apical periodontitis for use in the development of European Society of Endodontology S3â€level clinical practice guidelines: A consensusâ€based development. International Endodontic Journal, 2021, 54, 2184-2194.	5.0	30
29	Release of bioâ€active dentine extracellular matrix components by histone deacetylase inhibitors (<scp>HDAC</scp>i). International Endodontic Journal, 2017, 50, 24-38.	5.0	29
30	Glossary for systematic reviews and metaâ€analyses. International Endodontic Journal, 2020, 53, 232-249.	5.0	29
31	The Histoneâ€Deacetylaseâ€Inhibitor Suberoylanilide Hydroxamic Acid Promotes Dental Pulp Repair Mechanisms Through Modulation of Matrix Metalloproteinaseâ€13 Activity. Journal of Cellular Physiology, 2016, 231, 798-816.	4.1	27
32	Is articaine more effective than lidocaine in patients with irreversible pulpitis? An umbrella review. International Endodontic Journal, 2020, 53, 200-213.	5.0	27
33	Root canal filling using Resilon: a review. British Dental Journal, 2011, 211, 81-88.	0.6	26
34	Sodium Hypochlorite Reduces Postoperative Discomfort and Painful Early Failure after Carious Exposure and Direct Pulp Cappingâ€”Initial Findings of a Randomized Controlled Trial. Journal of Clinical Medicine, 2020, 9, 2408.	2.4	26
35	A bibliometric analysis of the dental scientific literature on COVID-19. Clinical Oral Investigations, 2021, 25, 6171-6183.	3.0	26
36	Influence of resin-based composite restoration technique and endodontic access on cuspal deflection and cervical microleakage scores. Journal of Dentistry, 2013, 41, 216-222.	4.1	25

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37	The association between apical periodontitis and adverse pregnancy outcomes: a systematic review. International Endodontic Journal, 2021, 54, 1527-1537.	5.0	24
38	MMP-9 Levels and NaOCl Lavage in Randomized Trial on Direct Pulp Capping. Journal of Dental Research, 2022, 101, 414-419.	5.2	24
39	PRIRATE 2020 guidelines for reporting randomized trials in Endodontics: explanation and elaboration. International Endodontic Journal, 2020, 53, 774-803.	5.0	22
40	Pulp Innate Immune Defense: Translational Opportunities. Journal of Endodontics, 2020, 46, S10-S18.	3.1	21
41	A reâ€audit of the technical quality of undergraduate root canal treatment after the introduction of new technology and teaching practices. International Endodontic Journal, 2017, 50, 941-950.	5.0	20
42	The management of deep carious lesions and the exposed pulp amongst members of two European endodontic societies: a questionnaireâ€based study. International Endodontic Journal, 2021, 54, 366-376.	5.0	20
43	Preferred Reporting Items for RAndomized Trials in Endodontics (<scp>PRIRATE</scp>) guidelines: a development protocol. International Endodontic Journal, 2019, 52, 974-978.	5.0	18
44	Preferred reporting items for systematic reviews and metaâ€analyses for abstracts: best practice for reporting abstracts of systematic reviews in Endodontology. International Endodontic Journal, 2019, 52, 1096-1107.	5.0	18
45	An analysis of effective dose optimization and its impact on image quality and diagnostic efficacy relating to dental cone beam computed tomography (CBCT). Swiss Dental Journal, 2018, 128, 297-316.	0.1	18
46	The development of European Society of Endodontology S3â€level guidelines for the treatment of pulpal and apical disease. International Endodontic Journal, 2021, 54, 643-645.	5.0	17
47	A micro-computed tomographic (micro-CT) analysis of the root canal morphology of maxillary third molar teeth. Annals of Anatomy, 2018, 215, 83-92.	1.9	16
48	How does the pulpal response to Biodentine and ProRoot mineral trioxide aggregate compare in the laboratory and clinic?. British Dental Journal, 2018, 225, 743-749.	0.6	16
49	Preferred Reporting items for OBservational studies in Endodontics (PROBE) guidelines: a development protocol. International Endodontic Journal, 2020, 53, 1199-1203.	5.0	16
50	Preferred Reporting Items for study Designs in Endodontology (PRIDE): guiding authors to identify and correct reporting deficiencies in their manuscripts prior to peer review. International Endodontic Journal, 2020, 53, 589-590.	5.0	14
51	Pulpotomy for treatment of complicated crown fractures in permanent teeth: A systematic review. International Endodontic Journal, 2022, 55, 290-311.	5.0	14
52	Outcomes reporting in systematic reviews on vital pulp treatment: A scoping review for the development of a core outcome set. International Endodontic Journal, 2022, 55, 891-909.	5.0	14
53	The management of deep caries in UK primary care: A nationwide questionnaireâ€based study. International Endodontic Journal, 2021, 54, 1804-1818.	5.0	13
54	How is carious pulp exposure and symptomatic irreversible pulpitis managed in UK primary dental care?. International Endodontic Journal, 2021, 54, 2256-2275.	5.0	13

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55	Research that matters â€“ clinical studies. International Endodontic Journal, 2016, 49, 224-226.	5.0	12
56	Effects of histone deacetylase inhibitors on regenerative cell responses in human dental pulp cells. International Endodontic Journal, 2018, 51, 767-778.	5.0	12
57	Environmental sustainability in endodontics. A life cycle assessment (LCA) of a root canal treatment procedure. BMC Oral Health, 2020, 20, 348.	2.3	12
58	Frightened of the pulp? A qualitative analysis of undergraduate student confidence and stress during the management of deep caries and the exposed pulp. International Endodontic Journal, 2021, 54, 130-146.	5.0	11
59	Critical analysis of the reporting quality of randomized trials within Endodontics using the Preferred Reporting Items for RAndomized Trials in Endodontics (PRIRATE) 2020 quality standard checklist. International Endodontic Journal, 2021, 54, 1083-1104.	5.0	11
60	A protocol for the Development of Core Outcome Sets for Endodontic Treatment modalities (COSET): an international consensus process. Trials, 2021, 22, 812.	1.6	11
61	Deciphering Reparative Processes in the Inflamed Dental Pulp. Frontiers in Dental Medicine, 2021, 2, .	1.4	10
62	Radiographic evaluation of the technical quality of undergraduate endodontic 'competence' cases in the Dublin Dental University Hospital: an audit. Journal of the Irish Dental Association, 2012, 58, 162-6.	0.1	10
63	Outcomes reporting in systematic reviews on surgical endodontics: A scoping review for the development of a core outcome set. International Endodontic Journal, 2022, 55, 811-832.	5.0	10
64	Comparison of two case difficulty assessment methods on cohorts of undergraduate dental students â€“ a multiâ€centre study. International Endodontic Journal, 2020, 53, 1569-1580.	5.0	8
65	Ezh2 knockout in mesenchymal cells causes enamel hyper-mineralization. Biochemical and Biophysical Research Communications, 2021, 567, 72-78.	2.1	8
66	Preclinical <scp>3D</scp>â€printed laboratory simulation of deep caries and the exposed pulp reduced student anxiety and stress, while increasing confidence and knowledge in vital pulp treatment. International Endodontic Journal, 2022, 55, 844-857.	5.0	8
67	InternationalEndodonticJournal policy on mandatory prospective (a priori) protocol registration for clinical trials and systematic reviews. International Endodontic Journal, 2021, 54, 1685-1686.	5.0	7
68	Establishing a Core Outcome Set for Endodontic Treatment modalities. International Endodontic Journal, 2022, 55, 696-699.	5.0	7
69	Improving the quality of randomized trials in Endodontics. International Endodontic Journal, 2020, 53, 731-732.	5.0	5
70	An investigation into dose optimisation for imaging root canal anatomy using cone beam CT. Dentomaxillofacial Radiology, 2020, 49, 20200072.	2.7	5
71	Preferred Reporting Items for Diagnostic Accuracy Studies in â€‹Endodontics (PRIDASE): Guidance to improve manuscripts assessing the diagnostic accuracy of procedures, techniques and devices. International Endodontic Journal, 2021, 54, 1005-1007.	5.0	5
72	Dental pain. BMJ, The, 2013, 347, f6539-f6539.	6.0	4

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73	Transcriptional profiling of suberoylanilide hydroxamic acid (SAHA) regulated genes in mineralizing dental pulp cells at early and late time points. Genomics Data, 2015, 5, 391-393.	1.3	4
74	Pulp exposure management. Clinical Dentistry Reviewed, 2019, 3, 1.	0.4	4
75	Glossary for randomized clinical trials. International Endodontic Journal, 2021, 54, 354-365.	5.0	4
76	Endodontic position statements in deep caries management highlight need for clarification and consensus for patient benefit. International Endodontic Journal, 2021, 54, 2145-2149.	5.0	4
77	The Critical Role of MMP13 in Regulating Tooth Development and Reactionary Dentinogenesis Repair Through the Wnt Signaling Pathway. Frontiers in Cell and Developmental Biology, 2022, 10, 883266.	3.7	4
78	Diabetes Mellitus May Negatively Influence the Outcome of Conventional Nonsurgical Root Canal Treatment. Journal of Evidence-based Dental Practice, 2020, 20, 101467.	1.5	3
79	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
80	Periapical status in patients affected by osteoporosis: A retrospective clinical study. Clinical and Experimental Dental Research, 2022, 8, 1068-1075.	1.9	3
81	Current and Future Views on Pulp Exposure Management and Epigenetic Influences. , 2019, , 55-75.		2
82	Research that matters: systematic reviews and metaâ€analyses. International Endodontic Journal, 2020, 53, 437-439.	5.0	2
83	Reducing Intervention in the COVID-19 Era: Opportunities for Vital Pulp Treatment. Frontiers in Dental Medicine, 2021, 2, .	1.4	2
84	Preferred Reporting Items for Diagnostic Accuracy Studies in Endodontics (PRIDASE) guidelines: a development protocol. International Endodontic Journal, 2021, 54, 1051-1055.	5.0	1
85	International Endodontic Journal 2022 â€“ The beginning of a new era. International Endodontic Journal, 2022, 55, 3-4.	5.0	1
86	Blatant ignorance. British Dental Journal, 2016, 220, 90-91.	0.6	0
87	Epigenetics of Dental Stem Cells. Pancreatic Islet Biology, 2016, , 73-84.	0.3	0
88	New associate editors and consultant statistical advisor. International Endodontic Journal, 2022, 55, 143-144.	5.0	0
89	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