

Hagay Shemesh

List of Publications by Year in descending order

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69
papers

3,329
citations

172207

29
h-index

149479

56
g-index

71
all docs

71
docs citations

71
times ranked

2079
citing authors

#	ARTICLE	IF	CITATIONS
1	Cone beam computed tomography in endodontics – a review. International Endodontic Journal, 2015, 48, 3-15.	2.3	281
2	The Ability of Different Nickel-Titanium Rotary Instruments To Induce Dentinal Damage During Canal Preparation. Journal of Endodontics, 2009, 35, 236-238.	1.4	264
3	The effects of canal preparation and filling on the incidence of dentinal defects. International Endodontic Journal, 2009, 42, 208-213.	2.3	223
4	European Society of Endodontology position statement: The use of CBCT in Endodontics. International Endodontic Journal, 2014, 47, 502-504.	2.3	211
5	The Incidence of Root Microcracks Caused by 3 Different Single-file Systems versus the ProTaper System. Journal of Endodontics, 2013, 39, 1054-1056.	1.4	176
6	Limitations of previously published systematic reviews evaluating the outcome of endodontic treatment. International Endodontic Journal, 2009, 42, 656-666.	2.3	160
7	Diagnosis of Vertical Root Fractures with Optical Coherence Tomography. Journal of Endodontics, 2008, 34, 739-742.	1.4	111
8	Incidence of Apical Root Cracks and Apical Dentinal Detachments after Canal Preparation with Hand and Rotary Files at Different Instrumentation Lengths. Journal of Endodontics, 2013, 39, 129-132.	1.4	106
9	Effects of Self-Adjusting File, Mtwo, and ProTaper on the Root Canal Wall. Journal of Endodontics, 2013, 39, 262-264.	1.4	102
10	Damage to Root Dentin During Retreatment Procedures. Journal of Endodontics, 2011, 37, 63-66.	1.4	95
11	Diagnosis of Vertical Root Fractures in Restored Endodontically Treated Teeth: A Time-dependent Retrospective Cohort Study. Journal of Endodontics, 2016, 42, 1175-1180.	1.4	95
12	Outcome of Direct Pulp Capping with Mineral Trioxide Aggregate: A Prospective Study. Journal of Endodontics, 2015, 41, 1026-1031.	1.4	91
13	Influence of Irrigation Sequence on the Adhesion of Root Canal Sealers to Dentin: A Fourier Transform Infrared Spectroscopy and Push-out Bond Strength Analysis. Journal of Endodontics, 2015, 41, 1108-1111.	1.4	89
14	Leakage along apical root fillings with and without smear layer using two different leakage models: a two-month longitudinal ex vivo study. International Endodontic Journal, 2006, 39, 968-976.	2.3	86
15	The Use of Cone-beam Computed Tomography and Digital Periapical Radiographs to Diagnose Root Perforations. Journal of Endodontics, 2011, 37, 513-516.	1.4	83
16	Detection and measurement of artificial periapical lesions by cone-beam computed tomography. International Endodontic Journal, 2014, 47, 332-338.	2.3	66
17	Incidence of dentinal defects after root canal filling procedures. International Endodontic Journal, 2010, 43, 995-1000.	2.3	64
18	The Ability of Optical Coherence Tomography to Characterize the Root Canal Walls. Journal of Endodontics, 2007, 33, 1369-1373.	1.4	60

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19	Identification of root filling interfaces by microscopy and tomography methods. International Endodontic Journal, 2011, 44, 395-401.	2.3	60
20	Glucose reactivity with filling materials as a limitation for using the glucose leakage model. International Endodontic Journal, 2008, 41, 869-872.	2.3	48
21	An evaluation of the influence of passive ultrasonic irrigation on the seal of root canal fillings. International Endodontic Journal, 2007, 40, 356-361.	2.3	45
22	Porosity distribution in root canals filled with gutta percha and calcium silicate cement. Dental Materials, 2015, 31, 1100-1108.	1.6	43
23	The association between complete absence of post-treatment periapical lesion and quality of root canal filling. Clinical Oral Investigations, 2012, 16, 1619-1626.	1.4	42
24	Dehydration Induces Cracking in Root Dentin Irrespective of Instrumentation: A Two-dimensional and Three-dimensional Study. Journal of Endodontics, 2018, 44, 120-125.	1.4	41
25	Area and 3-dimensional Volumetric Changes of Periapical Lesions after Root Canal Treatments. Journal of Endodontics, 2013, 39, 1245-1249.	1.4	39
26	Preexisting Dentinal Microcracks in Nonendodontically Treated Teeth: An Ex Vivo Micro-computed Tomographic Analysis. Journal of Endodontics, 2017, 43, 896-900.	1.4	37
27	New terms for categorizing the outcome of root canal treatment. International Endodontic Journal, 2011, 44, 1079-1080.	2.3	33
28	The Validity of Cone-beam Computed Tomography in Measuring Root Canal Length Using a Gold Standard. Journal of Endodontics, 2013, 39, 1607-1610.	1.4	33
29	Bisphosphonates and their clinical implications in endodontic therapy. International Endodontic Journal, 2013, 46, 391-398.	2.3	32
30	Diagnosis of Vertical Root Fractures by Cone-beam Computed Tomography in Root-filled Teeth with Confirmation by Direct Visualization: A Systematic Review and Meta-Analysis. Journal of Endodontics, 2021, 47, 1198-1214.	1.4	32
31	Accuracy of Cone-beam Computed Tomography in the Detection of a Second Mesio Buccal Root Canal in Endodontically Treated Teeth: An Ex Vivo Study. Journal of Endodontics, 2015, 41, 1678-1681.	1.4	31
32	Glucose penetration and fluid transport through coronal root structure and filled root canals. International Endodontic Journal, 2007, 40, 866-872.	2.3	29
33	The effect of root dentin conditioning protocols on the push-out bond strength of three calcium silicate sealers. International Journal of Adhesion and Adhesives, 2015, 60, 104-108.	1.4	27
34	Removal of Gutta-percha from Root Canals Using the Self-Adjusting File. Journal of Endodontics, 2012, 38, 1004-1006.	1.4	26
35	Mercury release from dental amalgam after treatment with 10% carbamide peroxide in vitro. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2000, 89, 216-219.	1.6	25
36	Comparability of results from two leakage models. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2008, 106, 309-313.	1.6	24

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37	Development of Periapical Lesions in Endodontically Treated Teeth with and without Periodontal Involvement: A Retrospective Cohort Study. <i>Journal of Endodontics</i> , 2017, 43, 1246-1249.	1.4	22
38	Root Canal Preparation Does Not Induce Dentinal Microcracks In Vivo. <i>Journal of Endodontics</i> , 2019, 45, 1258-1264.	1.4	21
39	Interference of Electronic Apex Locators with Implantable Cardioverter Defibrillators. <i>Journal of Endodontics</i> , 2014, 40, 277-280.	1.4	19
40	Outcome of secondary root canal treatment filled with Thermafil: a 5-year follow-up of retrospective cohort study. <i>Clinical Oral Investigations</i> , 2018, 22, 1363-1373.	1.4	19
41	High frequency ultrasound imaging of a single-species biofilm. <i>Journal of Dentistry</i> , 2007, 35, 673-678.	1.7	16
42	The ability of cone-beam computed tomography to detect simulated buccal and lingual recesses in root canals. <i>International Endodontic Journal</i> , 2012, 45, 724-729.	2.3	16
43	Feasibility of Cone-beam Computed Tomography in Detecting Lateral Canals before and after Root Canal Treatment: An Ex Vivo Study. <i>Journal of Endodontics</i> , 2017, 43, 1014-1017.	1.4	16
44	Acidic and alkaline chemicals' influence on a tricalcium silicate-based dental biomaterial. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 377-387.	1.6	15
45	Reliability of assessing dye penetration along root canal fillings using methylene blue. <i>Australian Endodontic Journal</i> , 2009, 35, 158-163.	0.6	14
46	Synchrotron-based Phase Contrast-enhanced Micro-Computed Tomography Reveals Delaminations and Material Tearing in Water-expandable Root Fillings Ex Vivo. <i>Journal of Endodontics</i> , 2016, 42, 776-781.	1.4	13
47	Protective effect of Copalite surface coating on mercury release from dental amalgam following treatment with carbamide peroxide. <i>Dental Traumatology</i> , 2000, 16, 107-110.	0.8	12
48	Endodontic instrumentation and root filling procedures: effect on mechanical integrity of dentin. <i>Endodontic Topics</i> , 2015, 33, 43-49.	0.5	12
49	Editorial. <i>International Endodontic Journal</i> , 2011, 44, 887-888.	2.3	11
50	Ultrasound Examination to Visualize and Trace Sinus Tracts of Endodontic Origin. <i>Journal of Endodontics</i> , 2019, 45, 1184-1191.	1.4	11
51	The effect of photodynamic therapy on postoperative pain in teeth with primary endodontic infection. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102700.	1.3	11
52	Porosity Distribution in Apically Perforated Curved Root Canals Filled with Two Different Calcium Silicate Based Materials and Techniques: A Micro-Computed Tomography Study. <i>Materials</i> , 2019, 12, 1729.	1.3	10
53	The correlation between fluid transport and push-out strength in root canals filled with a methacrylate-based filling material. <i>International Endodontic Journal</i> , 2015, 48, 193-198.	2.3	9
54	Ultrasound examination with color power Doppler to assess the early response of apical periodontitis to the endodontic treatment. <i>Clinical Oral Investigations</i> , 2018, 22, 131-140.	1.4	9

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55	Reduction of dual-species biofilm after sonic or ultrasonic activated irrigation protocols: A laboratory study. <i>International Endodontic Journal</i> , 2021, 54, 2219-2228.	2.3	9
56	Clinical applications of cone beam computed tomography in endodontics: A comprehensive review. <i>Quintessence International</i> , 2015, 46, 465-80.	0.3	9
57	The Invasion of Bacterial Biofilms into the Dentinal Tubules of Extracted Teeth Retrofilled with Fluorescently Labeled Retrograde Filling Materials. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6996.	1.3	6
58	Porosity Distribution in Single Cone Root Canal Fillings Performed by Operators with Different Clinical Experience: A microCT Assessment. <i>Journal of Clinical Medicine</i> , 2021, 10, 2569.	1.0	5
59	A Central Incisor with 4 Independent Root Canals: A Case Report. <i>Journal of Endodontics</i> , 2015, 41, 1903-1906.	1.4	4
60	Establishing the research agenda for oral healthcare using the Dialogue Model" patient involvement in a joint research agenda with practitioners. <i>European Journal of Oral Sciences</i> , 2022, 130, e12842.	0.7	4
61	Effect of a two-step placement procedure on the dislocation resistance of a methacrylate resin-based root canal sealer: a proof of concept. <i>Journal of Adhesive Dentistry</i> , 2014, 16, 567-74.	0.3	4
62	To the Editor:. <i>Journal of Endodontics</i> , 2008, 34, 512.	1.4	3
63	Microcomputed Tomographic Assessment of the Single Cone Root Canal Fillings Performed by Undergraduate Student, Postgraduate Student and Specialist Endodontist. <i>Journal of Clinical Medicine</i> , 2021, 10, 1080.	1.0	3
64	Research priorities for oral healthcare: agenda setting from the practitioners' perspective. <i>Acta Odontologica Scandinavica</i> , 2021, 79, 451-457.	0.9	3
65	Bacterial Colonization and Proliferation in Furcal Perforations Repaired by Different Materials: A Confocal Laser Scanning Microscopy Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3403.	1.3	3
66	Clinical applications of cone beam computed tomography in endodontics: A comprehensive review. <i>Quintessence International</i> , 2015, 46, 657-68.	0.3	3
67	Limitations of the glucose leakage model due to reactivity of glucose with MTA. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 106, 626.	1.6	2
68	Intra-manufacture Diameter Variability of Rotary Files and Their Corresponding Gutta-Percha Cones Using Laser Scan Micrometre. <i>Iranian Endodontic Journal</i> , 2018, 13, 159-162.	0.8	1
69	Multimodular Assessment of a Traumatic Bone Cyst Overlapped with Apical Periodontitis. <i>Case Reports in Dentistry</i> , 2020, 2020, 1-7.	0.2	0