Hagay Shemesh

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Cone beam computed tomography in <scp>E</scp> ndodontics – a review. International Endodontic Journal, 2015, 48, 3-15.	5.0	281
2	The Ability of Different Nickel-Titanium Rotary Instruments To Induce Dentinal Damage During Canal Preparation. Journal of Endodontics, 2009, 35, 236-238.	3.1	264
3	The effects of canal preparation and filling on the incidence of dentinal defects. International Endodontic Journal, 2009, 42, 208-213.	5.0	223
4	European Society of Endodontology position statement: The use of CBCT in Endodontics. International Endodontic Journal, 2014, 47, 502-504.	5.0	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.	3.1	176
6	Limitations of previously published systematic reviews evaluating the outcome of endodontic treatment. International Endodontic Journal, 2009, 42, 656-666.	5.0	160
7	Diagnosis of Vertical Root Fractures with Optical Coherence Tomography. Journal of Endodontics, 2008, 34, 739-742.	3.1	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.	3.1	106
9	Effects of Self-Adjusting File, Mtwo, and ProTaper on the Root Canal Wall. Journal of Endodontics, 2013, 39, 262-264.	3.1	102
10	Damage to Root Dentin During Retreatment Procedures. Journal of Endodontics, 2011, 37, 63-66.	3.1	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.	3.1	95
12	Outcome of Direct Pulp Capping with Mineral Trioxide Aggregate: A Prospective Study. Journal of Endodontics, 2015, 41, 1026-1031.	3.1	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.	3.1	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.	5.0	86
15	The Use of Cone-beam Computed Tomography and Digital Periapical Radiographs to Diagnose Root Perforations. Journal of Endodontics, 2011, 37, 513-516.	3.1	83
16	Detection and measurement of artificial periapical lesions by coneâ€beam computed tomography. International Endodontic Journal, 2014, 47, 332-338.	5.0	66
17	Incidence of dentinal defects after root canal filling procedures. International Endodontic Journal, 2010, 43, 995-1000.	5.0	64
18	The Ability of Optical Coherence Tomography to Characterize the Root Canal Walls. Journal of Endodontics, 2007, 33, 1369-1373.	3.1	60

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19	Identification of root filling interfaces by microscopy and tomography methods. International Endodontic Journal, 2011, 44, 395-401.	5.0	60
20	Glucose reactivity with filling materials as a limitation for using the glucose leakage model. International Endodontic Journal, 2008, 41, 869-872.	5.0	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.	5.0	45
22	Porosity distribution in root canals filled with gutta percha and calcium silicate cement. Dental Materials, 2015, 31, 1100-1108.	3.5	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.	3.0	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.	3.1	41
25	Area and 3-dimensional Volumetric Changes of Periapical Lesions after Root Canal Treatments. Journal of Endodontics, 2013, 39, 1245-1249.	3.1	39
26	Preexisting Dentinal Microcracks in Nonendodontically Treated Teeth: An ExÂVivo Micro–computed Tomographic Analysis. Journal of Endodontics, 2017, 43, 896-900.	3.1	37
27	New terms for categorizing the outcome of root canal treatment. International Endodontic Journal, 2011, 44, 1079-1080.	5.0	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.	3.1	33
29	Bisphosphonates and their clinical implications in endodontic therapy. International Endodontic Journal, 2013, 46, 391-398.	5.0	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.	3.1	32
31	Accuracy of Cone-beam Computed Tomography inÂtheÂDetection of a Second Mesiobuccal Root Canal inÂEndodontically Treated Teeth: An ExÂVivo Study. Journal of Endodontics, 2015, 41, 1678-1681.	3.1	31
32	Glucose penetration and fluid transport through coronal root structure and filled root canals. International Endodontic Journal, 2007, 40, 866-872.	5.0	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.	2.9	27
34	Removal of Gutta-percha from Root Canals Using the Self-Adjusting File. Journal of Endodontics, 2012, 38, 1004-1006.	3.1	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.	1.4	25
36	Comparability of results from two leakage models. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2008, 106, 309-313.	1.4	24

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37	Development of Periapical Lesions in Endodontically Treated Teeth with and without Periodontal Involvement: A Retrospective Cohort Study. Journal of Endodontics, 2017, 43, 1246-1249.	3.1	22
38	Root Canal Preparation Does Not Induce Dentinal Microcracks InÂVivo. Journal of Endodontics, 2019, 45, 1258-1264.	3.1	21
39	Interference of Electronic Apex Locators with Implantable Cardioverter Defibrillators. Journal of Endodontics, 2014, 40, 277-280.	3.1	19
40	Outcome of secondary root canal treatment filled with Thermafil: a 5-year follow-up of retrospective cohort study. Clinical Oral Investigations, 2018, 22, 1363-1373.	3.0	19
41	High frequency ultrasound imaging of a single-species biofilm. Journal of Dentistry, 2007, 35, 673-678.	4.1	16
42	The ability of coneâ€beam computed tomography to detect simulated buccal and lingual recesses in root canals. International Endodontic Journal, 2012, 45, 724-729.	5.0	16
43	Feasibility of Cone-beam Computed Tomography in Detecting Lateral Canals before and after Root Canal Treatment: An ExÂVivo Study. Journal of Endodontics, 2017, 43, 1014-1017.	3.1	16
44	Acidic and alkaline chemicals' influence on a tricalcium silicateâ€based dental biomaterial. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 377-387.	3.4	15
45	Reliability of assessing dye penetration along root canal fillings using methylene blue. Australian Endodontic Journal, 2009, 35, 158-163.	1.5	14
46	Synchrotron-based Phase Contrast-enhanced Micro–Computed Tomography Reveals Delaminations and Material Tearing in Water-expandable Root Fillings ExÂVivo. Journal of Endodontics, 2016, 42, 776-781.	3.1	13
47	Protective effect of Copalite surface coating on mercury release from dental amalgam following treatment with carbamide peroxide. Dental Traumatology, 2000, 16, 107-110.	2.0	12
48	Endodontic instrumentation and root filling procedures: effect on mechanical integrity of dentin. Endodontic Topics, 2015, 33, 43-49.	0.5	12
49	Editorial. International Endodontic Journal, 2011, 44, 887-888.	5.0	11
50	Ultrasound Examination to Visualize and Trace Sinus Tracts of Endodontic Origin. Journal of Endodontics, 2019, 45, 1184-1191.	3.1	11
51	The effect of photodynamic therapy on postoperative pain in teeth with primary endodontic infection. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102700.	2.6	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. Materials, 2019, 12, 1729.	2.9	10
53	The correlation between fluid transport and pushâ€out strength in root canals filled with a methacrylateâ€based filling material. International Endodontic Journal, 2015, 48, 193-198.	5.0	9
54	Ultrasound examination with color power Doppler to assess the early response of apical periodontitis to the endodontic treatment. Clinical Oral Investigations, 2018, 22, 131-140.	3.0	9

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55	Reduction of dualâ€species biofilm after sonic―or ultrasonicâ€activated irrigation protocols: A laboratory study. International Endodontic Journal, 2021, 54, 2219-2228.	5.0	9
56	Clinical applications of cone beam computed tomography in endodontics: A comprehensive review. Quintessence International, 2015, 46, 465-80.	0.4	9
57	The Invasion of Bacterial Biofilms into the Dentinal Tubules of Extracted Teeth Retrofilled with Fluorescently Labeled Retrograde Filling Materials. Applied Sciences (Switzerland), 2020, 10, 6996.	2.5	6
58	Porosity Distribution in Single Cone Root Canal Fillings Performed by Operators with Different Clinical Experience: A microCT Assessment. Journal of Clinical Medicine, 2021, 10, 2569.	2.4	5
59	A Central Incisor with 4 Independent Root Canals: A Case Report. Journal of Endodontics, 2015, 41, 1903-1906.	3.1	4
60	Establishing the research agenda for oral healthcare using the Dialogue Model—patient involvement in a joint research agenda with practitioners. European Journal of Oral Sciences, 2022, 130, e12842.	1.5	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. Journal of Adhesive Dentistry, 2014, 16, 567-74.	0.5	4
62	To the Editor:. Journal of Endodontics, 2008, 34, 512.	3.1	3
63	Microcomputed Tomographic Assessment of the Single Cone Root Canal Fillings Performed by Undergraduate Student, Postgraduate Student and Specialist Endodontist. Journal of Clinical Medicine, 2021, 10, 1080.	2.4	3
64	Research priorities for oral healthcare: agenda setting from the practitioners' perspective. Acta Odontologica Scandinavica, 2021, 79, 451-457.	1.6	3
65	Bacterial Colonization and Proliferation in Furcal Perforations Repaired by Different Materials: A Confocal Laser Scanning Microscopy Study. Applied Sciences (Switzerland), 2021, 11, 3403.	2.5	3
66	Clinical applications of cone beam computed tomography in endodontics: A comprehensive review. Quintessence International, 2015, 46, 657-68.	0.4	3
67	Limitations of the glucose leakage model due to reactivity of glucose with MTA. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2008, 106, 626.	1.4	2
68	Intra-manufacture Diameter Variability of Rotary Files and Their Corresponding Gutta-Percha Cones Using Laser Scan Micrometre. Iranian Endodontic Journal, 2018, 13, 159-162.	0.8	1
69	Multimodular Assessment of a Traumatic Bone Cyst Overlapped with Apical Periodontitis. Case Reports in Dentistry, 2020, 2020, 1-7.	0.5	0