

Anil Kishen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183
papers

5,065
citations

41
h-index

65
g-index

238
ext. papers

6,063
ext. citations

4.3
avg, IF

6.14
L-index

#	Paper	IF	Citations
183	Eggshell derived nano-hydroxyapatite incorporated carboxymethyl chitosan scaffold for dentine regeneration: A laboratory investigation. <i>International Endodontic Journal</i> , 2022 , 55, 89-102	5.4	2
182	Proteomic profiling reveals engineered chitosan nanoparticles mediated cellular crosstalk and immunomodulation for therapeutic application in apical periodontitis.. <i>Bioactive Materials</i> , 2022 , 11, 77-89	16.7	0
181	Engineering a novel stem cells from apical papilla - macrophages organoid for regenerative endodontics.. <i>Journal of Endodontics</i> , 2022 ,	4.7	1
180	Promoting mineralization at biological interfaces with novel amelotin-based bio-nano complexes.. <i>Materials Today Bio</i> , 2022 , 14, 100255	9.9	0
179	Effect of taxifolin and epigallocatechin-3-gallate on biomineralization potential of stem cells from dental apical papilla.. <i>Archives of Oral Biology</i> , 2022 , 138, 105413	2.8	2
178	Insights into the June 2022 Issue of the Journal of Endodontics. <i>Journal of Endodontics</i> , 2022 , 48, 685-687	4.7	0
177	The Role of Modern Technologies for Dentin Preservation in Root Canal Treatment 2021 , 1-32		
176	PRIASE 2021 guidelines for reporting animal studies in Endodontology: explanation and elaboration. <i>International Endodontic Journal</i> , 2021 , 54, 858-886	5.4	4
175	Drug-Silica Coassembled Particles Improve Antimicrobial Properties of Endodontic Sealers. <i>Journal of Endodontics</i> , 2021 , 47, 793-799	4.7	2
174	Effectiveness of Commercial Software-Enhanced Image Artifact Reduction Software. <i>Journal of Endodontics</i> , 2021 , 47, 820-826	4.7	1
173	A Novel Self-Mineralizing Antibacterial Tissue Repair Varnish to Condition Root-end Dentin in Endodontic Microsurgery. <i>Journal of Endodontics</i> , 2021 , 47, 939-946	4.7	0
172	Optimizing Methods for Bovine Dental Pulp Decellularization. <i>Journal of Endodontics</i> , 2021 , 47, 62-68	4.7	5
171	PRIASE 2021 guidelines for reporting animal studies in Endodontology: a consensus-based development. <i>International Endodontic Journal</i> , 2021 , 54, 848-857	5.4	10
170	Maxillary Anterior Teeth With Extensive Root Resorption Treated With Low-level Light-activated Engineered Chitosan Nanoparticles. <i>Journal of Endodontics</i> , 2021 , 47, 1182-1190	4.7	2
169	Assessment of Root Canal Sealers Loaded with Drug-Silica Coassembled Particles Using an In Vitro Tooth Model. <i>Journal of Endodontics</i> , 2021 , 47, 1775-1782	4.7	0
168	Engineered Chitosan-based Nanoparticles Modulate Macrophage-Periodontal Ligament Fibroblast Interactions in Biofilm-mediated Inflammation. <i>Journal of Endodontics</i> , 2021 , 47, 1435-1444	4.7	2
167	Biofilm formation following chitosan-based varnish or chlorhexidine-fluoride varnish application in patients undergoing fixed orthodontic treatment: a double blinded randomised controlled trial. <i>BMC Oral Health</i> , 2021 , 21, 465	3.7	1

166	Interaction of epigallocatechin-gallate and chlorhexidine with Streptococcus mutans stimulated odontoblast-like cells: Cytotoxicity, Interleukin-1 α and co-species proteomic analyses. <i>Archives of Oral Biology</i> , 2021 , 131, 105268	2.8	2
165	The effects of sequential and continuous chelation on dentin. <i>Dental Materials</i> , 2020 , 36, 1655-1665	5.7	5
164	Electrokinetic transport and distribution of antibacterial nanoparticles for endodontic disinfection. <i>International Endodontic Journal</i> , 2020 , 53, 1120-1130	5.4	4
163	Preferred Reporting Items for Epidemiologic Cross-sectional Studies on Root and Root Canal Anatomy Using Cone-beam Computed Tomographic Technology: A Systematized Assessment. <i>Journal of Endodontics</i> , 2020 , 46, 915-935	4.7	6
162	Middle Mesial Canal Preparation Enhances the Risk of Fracture in Mesial Root of Mandibular Molars. <i>Journal of Endodontics</i> , 2020 , 46, 1323-1329	4.7	5
161	Bioactive molecule carrier systems in endodontics. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 1093-1112	8	5
160	Antibiofilm and Immune Response of Engineered Bioactive Nanoparticles for Endodontic Disinfection. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4
159	Microtissue Engineering Root Dentin with Photodynamically Cross-linked Nanoparticles Improves Fatigue Resistance of Endodontically Treated Teeth. <i>Journal of Endodontics</i> , 2020 , 46, 668-674	4.7	5
158	Efficacy of bioactive nanoparticles on tissue-endotoxin induced suppression of stem cell viability, migration and differentiation. <i>International Endodontic Journal</i> , 2020 , 53, 859-870	5.4	5
157	Effect of Crosslinked Chitosan Nanoparticles on the Bonding Quality of Fiber Posts in Root Canals. <i>Journal of Adhesive Dentistry</i> , 2020 , 22, 321-330	3	2
156	The effect of root canal irrigants on dentin: a focused review. <i>Restorative Dentistry & Endodontics</i> , 2020 , 45, e39	1.5	5
155	Effect of protease inhibitor specificity on dentin matrix properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 109, 103861	4.1	1
154	The effects of physical photostimulable phosphor plate artifacts on the radiologic interpretation of periapical inflammatory disease. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020 , 129, 621-628	2	4
153	Pulp ECM-derived macroporous scaffolds for stimulation of dental-pulp regeneration process. <i>Dental Materials</i> , 2020 , 36, 76-87	5.7	19
152	Potential of Treated Dentin Matrix Xenograft for Dentin-Pulp Tissue Engineering. <i>Journal of Endodontics</i> , 2020 , 46, 57-64.e1	4.7	6
151	In Vivo Strain Alterations in Mandibular Molars after Root Canal Treatment Procedures. <i>Journal of Endodontics</i> , 2020 , 46, 1849-1855	4.7	1
150	A chitosan-based irrigant improves the dislocation resistance of a mineral trioxide aggregate-resin hybrid root canal sealer. <i>Clinical Oral Investigations</i> , 2020 , 24, 151-156	4.2	3
149	A CAD/CAM-based strategy for concurrent endodontic and restorative treatment. <i>Restorative Dentistry & Endodontics</i> , 2019 , 44, e27	1.5	

148	Impact of Dentin Substrate Modification with Chitosan-Hydroxyapatite Precursor Nanocomplexes on Sealer Penetration and Tensile Strength. <i>Journal of Endodontics</i> , 2019 , 45, 935-942	4.7	8
147	Free Water Loss-induced Heterogeneous Residual Strain and Reduced Fatigue Resistance in Root Dentin: A 3-dimensional Digital Image Correlation Analysis. <i>Journal of Endodontics</i> , 2019 , 45, 742-749	4.7	5
146	Preferred Reporting Items for Animal Studies in Endodontology: a development protocol. <i>International Endodontic Journal</i> , 2019 , 52, 1290-1296	5.4	9
145	Impact of apical extent of root canal filling on vertical root fracture: a case-control study. <i>International Endodontic Journal</i> , 2019 , 52, 1283-1289	5.4	4
144	Temporal-controlled bioactive molecules releasing core-shell nano-system for tissue engineering strategies in endodontics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 18, 11-20	6	6
143	Novel Activated Microbubbles-based Strategy to Coat Nanoparticles on Root Canal Dentin: Fluid Dynamical Characterization. <i>Journal of Endodontics</i> , 2019 , 45, 797-802	4.7	2
142	Inflammatory potential of monospecies biofilm matrix components. <i>International Endodontic Journal</i> , 2019 , 52, 1020-1027	5.4	15
141	Root Canal Preparation Does Not Induce Dentinal Microcracks In Vivo. <i>Journal of Endodontics</i> , 2019 , 45, 1258-1264	4.7	15
140	Insights into the July 2019 Issue of the Journal of Endodontics. <i>Journal of Endodontics</i> , 2019 , 45, 829-830	4.7	
139	Alternative model for cathepsin K activation in human dentin. <i>Dental Materials</i> , 2019 , 35, 1630-1636	5.7	1
138	Interfacial Characterization of Dentin Conditioned with Chitosan Hydroxyapatite Precursor Nanocomplexes Using Time-of-flight Secondary Ion Mass Spectrometry. <i>Journal of Endodontics</i> , 2019 , 45, 1513-1521	4.7	4
137	Effect of two desensitizing agents on dentin hypersensitivity: A randomized split-mouth clinical trial. <i>Journal of Conservative Dentistry</i> , 2019 , 22, 522-528	0.9	2
136	Deciphering dentin tissue biomechanics using digital moiré Interferometry: A narrative review. <i>Optics and Lasers in Engineering</i> , 2018 , 107, 273-280	4.6	5
135	Microtissue engineering root canal dentine with crosslinked biopolymeric nanoparticles for mechanical stabilization. <i>International Endodontic Journal</i> , 2018 , 51, 1171-1180	5.4	9
134	Whole-field macro- and micro-deformation characteristic of unbound water-loss in dentin hard tissue. <i>Journal of Biophotonics</i> , 2018 , 11, e201700368	3.1	5
133	Biomechanical Effects of Bonding Pericervical Dentin in Maxillary Premolars. <i>Journal of Endodontics</i> , 2018 , 44, 659-664	4.7	8
132	Nanoparticles for endodontic disinfection. <i>Clinical Dentistry Reviewed</i> , 2018 , 2, 1	0.4	1
131	A Novel Method for Characterizing Beam Hardening Artifacts in Cone-beam Computed Tomographic Images. <i>Journal of Endodontics</i> , 2018 , 44, 869-874	4.7	12

130	Constitutive Activation of β Catenin in Differentiated Osteoclasts Induces Bone Loss in Mice. <i>Cellular Physiology and Biochemistry</i> , 2018 , 48, 2091-2102	3.9	7
129	Biomechanical studies on the effect of iatrogenic dentin removal on vertical root fractures. <i>Journal of Conservative Dentistry</i> , 2018 , 21, 290-296	0.9	14
128	Validation of Biofilm Assays to Assess Antibiofilm Efficacy in Instrumented Root Canals after Syringe Irrigation and Sonic Agitation. <i>Journal of Endodontics</i> , 2018 , 44, 292-298	4.7	15
127	Bioactivity of Photoactivated Functionalized Nanoparticles Assessed in Lipopolysaccharide-contaminated Root Canals In Vivo. <i>Journal of Endodontics</i> , 2018 , 44, 104-110	4.7	7
126	Oriented and Ordered Biomimetic Remineralization of the Surface of Demineralized Dental Enamel Using HAP@ACP Nanoparticles Guided by Glycine. <i>Scientific Reports</i> , 2017 , 7, 40701	4.9	40
125	Topical Antimicrobials in Endodontics 2017 , 287-309		
124	Preexisting Dentinal Microcracks in Nonendodontically Treated Teeth: An Ex Vivo Micro-computed Tomographic Analysis. <i>Journal of Endodontics</i> , 2017 , 43, 896-900	4.7	24
123	Antibacterial Properties of Chitosan Nanoparticles and Propolis Associated with Calcium Hydroxide against Single- and Multispecies Biofilms: An In Vitro and In Situ Study. <i>Journal of Endodontics</i> , 2017 , 43, 1332-1336	4.7	33
122	Bioactive Molecule Delivery Systems for Dentin-pulp Tissue Engineering. <i>Journal of Endodontics</i> , 2017 , 43, 733-744	4.7	14
121	Vertical Root Fractures: Radiological Diagnosis 2017 , 235-250		
120	5 Microbial biofilms and antimicrobial photodynamic therapy. <i>Series in Cellular and Clinical Imaging</i> , 2017 , 89-102		
119	Impacts of Contracted Endodontic Cavities on Instrumentation Efficacy and Biomechanical Responses in Maxillary Molars. <i>Journal of Endodontics</i> , 2016 , 42, 1779-1783	4.7	75
118	Residual Microstrain in Root Dentin after Canal Instrumentation Measured with Digital Moiré Interferometry. <i>Journal of Endodontics</i> , 2016 , 42, 1397-402	4.7	15
117	Zinc Oxide Nanoparticles Enhance Physicochemical Characteristics of Grossman Sealer. <i>Journal of Endodontics</i> , 2016 , 42, 1804-1810	4.7	22
116	Characterizing the collagen stabilizing effect of crosslinked chitosan nanoparticles against collagenase degradation. <i>Dental Materials</i> , 2016 , 32, 968-77	5.7	41
115	Diagnosis of Vertical Root Fractures in Restored Endodontically Treated Teeth: A Time-dependent Retrospective Cohort Study. <i>Journal of Endodontics</i> , 2016 , 42, 1175-80	4.7	42
114	Dentin Conditioning with Bioactive Molecule Releasing Nanoparticle System Enhances Adherence, Viability, and Differentiation of Stem Cells from Apical Papilla. <i>Journal of Endodontics</i> , 2016 , 42, 717-23	4.7	11
113	Assessment of Apical Extrusion during Root Canal Irrigation with the Novel GentleWave System in a Simulated Apical Environment. <i>Journal of Endodontics</i> , 2016 , 42, 135-9	4.7	35

112	Comparison of the Incidence of Postoperative Pain after Using 2 Reciprocating Systems and a Continuous Rotary System: A Prospective Randomized Clinical Trial. <i>Journal of Endodontics</i> , 2016 , 42, 171-6	4.7	73
111	Advances in endodontics: Potential applications in clinical practice. <i>Journal of Conservative Dentistry</i> , 2016 , 19, 199-206	0.9	27
110	Biom mineralization and Biomaterial Considerations in Dentin Remineralization. <i>Journal of Operative Dentistry & Endodontics</i> , 2016 , 1, 7-12	0	2
109	Effects of a Bioactive Scaffold Containing a Sustained Transforming Growth Factor- β -releasing Nanoparticle System on the Migration and Differentiation of Stem Cells from the Apical Papilla. <i>Journal of Endodontics</i> , 2016 , 42, 1385-92	4.7	24
108	Antibacterial Nanoparticles in Endodontics: A Review. <i>Journal of Endodontics</i> , 2016 , 42, 1417-26	4.7	110
107	Photoactivated polycationic bioactive chitosan nanoparticles inactivate bacterial endotoxins. <i>Journal of Endodontics</i> , 2015 , 41, 686-91	4.7	35
106	Antibacterial Properties Associated with Chitosan Nanoparticle Treatment on Root Dentin and 2 Types of Endodontic Sealers. <i>Journal of Endodontics</i> , 2015 , 41, 1353-8	4.7	49
105	Temporal-controlled Dexamethasone Releasing Chitosan Nanoparticle System Enhances Odontogenic Differentiation of Stem Cells from Apical Papilla. <i>Journal of Endodontics</i> , 2015 , 41, 1253-8	4.7	29
104	Nanoparticles for Endodontic Disinfection 2015 , 97-119		6
103	Nanotechnology in Endodontics 2015 ,		7
102	Nanoparticles for Dentin Tissue Stabilization 2015 , 121-138		
101	Qualitative Time-of-Flight Secondary Ion Mass Spectrometry Analysis of Root Dentin Irrigated with Sodium Hypochlorite, EDTA, or Chlorhexidine. <i>Journal of Endodontics</i> , 2015 , 41, 1672-7	4.7	7
100	Photodynamic Therapy for Root Canal Disinfection 2015 , 237-251		4
99	Photoactivation of curcumin and sodium hypochlorite to enhance antibiofilm efficacy in root canal dentin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015 , 12, 108-14	3.5	40
98	Biomechanics of fractures in endodontically treated teeth. <i>Endodontic Topics</i> , 2015 , 33, 3-13		21
97	ANIL KISHEN, BDS, MDS, PHD, Professor and Head, Discipline of Endodontics, Faculty of Dentistry, University of Toronto, Toronto, Canada. <i>Endodontic Topics</i> , 2015 , 33, 191-191		
96	Contracted endodontic cavities: the foundation for less invasive alternatives in the management of apical periodontitis. <i>Endodontic Topics</i> , 2015 , 33, 169-186		39
95	Chelating and antibacterial properties of chitosan nanoparticles on dentin. <i>Restorative Dentistry & Endodontics</i> , 2015 , 40, 195-201	1.5	46

94	Fluid Dynamics and Biofilm Removal Generated by Syringe-delivered and 2 Ultrasonic-assisted Irrigation Methods: A Novel Experimental Approach. <i>Journal of Endodontics</i> , 2015 , 41, 884-9	4.7	33
93	Biomimetic remineralization of demineralized dentine using scaffold of CMC/ACP nanocomplexes in an in vitro tooth model of deep caries. <i>PLoS ONE</i> , 2015 , 10, e0116553	3.7	67
92	Inter-appointment Medication with Calcium Hydroxide in Routine Cases of Root Canal Therapy. <i>Springer Series on Biofilms</i> , 2015 , 303-325		2
91	Laboratory Models of Biofilms: Development and Assessment. <i>Springer Series on Biofilms</i> , 2015 , 127-154		1
90	Advanced Therapeutic Options to Disinfect Root Canals. <i>Springer Series on Biofilms</i> , 2015 , 327-355		
89	Evaluation of the antibacterial efficacy of silver nanoparticles against <i>Enterococcus faecalis</i> biofilm. <i>Journal of Endodontics</i> , 2014 , 40, 285-90	4.7	182
88	Antibacterial efficacy of photosensitizer functionalized biopolymeric nanoparticles in the presence of tissue inhibitors in root canal. <i>Journal of Endodontics</i> , 2014 , 40, 566-70	4.7	32
87	Bioactive chitosan nanoparticles and photodynamic therapy inhibit collagen degradation in vitro. <i>Journal of Endodontics</i> , 2014 , 40, 703-9	4.7	34
86	Photoactivated rose bengal functionalized chitosan nanoparticles produce antibacterial/biofilm activity and stabilize dentin-collagen. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 491-501	6	115
85	Irrigation dynamics associated with positive pressure, apical negative pressure and passive ultrasonic irrigations: a computational fluid dynamics analysis. <i>Australian Endodontic Journal</i> , 2014 , 40, 54-60	1.7	29
84	Qualitative analysis of precipitate formation on the surface and in the tubules of dentin irrigated with sodium hypochlorite and a final rinse of chlorhexidine or QMiX. <i>Journal of Endodontics</i> , 2014 , 40, 2036-40	4.7	24
83	Biomimetic remineralization of demineralized enamel with nano-complexes of phosphorylated chitosan and amorphous calcium phosphate. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 2619-28	4.5	38
82	Effects of photodynamic therapy on clinical and gingival crevicular fluid inflammatory biomarkers in chronic periodontitis: a split-mouth randomized clinical trial. <i>Journal of Periodontology</i> , 2014 , 85, 1222-9	4.6	51
81	Emerging Technologies in Root Canal Disinfection 2014 , 277-296		
80	Antibiofilm efficacy of photosensitizer-functionalized bioactive nanoparticles on multispecies biofilm. <i>Journal of Endodontics</i> , 2014 , 40, 1604-10	4.7	66
79	Impacts of conservative endodontic cavity on root canal instrumentation efficacy and resistance to fracture assessed in incisors, premolars, and molars. <i>Journal of Endodontics</i> , 2014 , 40, 1160-6	4.7	133
78	Temporal-controlled release of bovine serum albumin from chitosan nanoparticles: effect on the regulation of alkaline phosphatase activity in stem cells from apical papilla. <i>Journal of Endodontics</i> , 2014 , 40, 1349-54	4.7	27
77	Efficacy of bacteriophage treatment on <i>Pseudomonas aeruginosa</i> biofilms. <i>Journal of Endodontics</i> , 2013 , 39, 364-9	4.7	30

76	Biofilm formation within the interface of bovine root dentin treated with conjugated chitosan and sealer containing chitosan nanoparticles. <i>Journal of Endodontics</i> , 2013 , 39, 249-53	4.7	46
75	Lasers in Restorative Dentistry 2013 , 1053		
74	Photodynamic therapy for inactivating endodontic bacterial biofilms and effect of tissue inhibitors on antibacterial efficacy 2013 ,		3
73	Polycationic chitosan-conjugated photosensitizer for antibacterial photodynamic therapy. <i>Photochemistry and Photobiology</i> , 2012 , 88, 577-83	3.6	78
72	Remineralization of partially demineralized dentine substrate based on a biomimetic strategy. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 733-42	4.5	28
71	The effect of tissue inhibitors on the antibacterial activity of chitosan nanoparticles and photodynamic therapy. <i>Journal of Endodontics</i> , 2012 , 38, 1275-8	4.7	70
70	Synergistic effect of microbubble emulsion and sonic or ultrasonic agitation on endodontic biofilm in vitro. <i>Journal of Endodontics</i> , 2012 , 38, 1530-4	4.7	41
69	Characterization of a conjugate between Rose Bengal and chitosan for targeted antibiofilm and tissue stabilization effects as a potential treatment of infected dentin. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 4876-84	5.9	72
68	AuthorsSreply. <i>Journal of Conservative Dentistry</i> , 2012 , 15, 303-4	0.9	
67	Torsional profiles of new and used revo-s rotary instruments: an in vitro study. <i>Journal of Endodontics</i> , 2011 , 37, 989-92	4.7	19
66	Role of efflux pump inhibitors on the antibiofilm efficacy of calcium hydroxide, chitosan nanoparticles, and light-activated disinfection. <i>Journal of Endodontics</i> , 2011 , 37, 1422-6	4.7	44
65	Biomimetic deposition of calcium phosphate minerals on the surface of partially demineralized dentine modified with phosphorylated chitosan. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 98, 150-9	3.5	52
64	Photodynamically crosslinked and chitosan-incorporated dentin collagen. <i>Journal of Dental Research</i> , 2011 , 90, 1346-51	8.1	53
63	Caries-risk assessment with a chairside optical spectroscopic sensor by monitoring bacterial-mediated acidogenic-profile of saliva in children. <i>Journal of Conservative Dentistry</i> , 2011 , 14, 395-400	0.9	3
62	Influence of bacterial growth modes on the susceptibility to light-activated disinfection. <i>International Endodontic Journal</i> , 2010 , 43, 978-87	5.4	41
61	Bioactivity of novel carboxymethyl chitosan scaffold incorporating MTA in a tooth model. <i>International Endodontic Journal</i> , 2010 , 43, 930-9	5.4	13
60	Efflux pump inhibitor potentiates antimicrobial photodynamic inactivation of <i>Enterococcus faecalis</i> biofilm. <i>Photochemistry and Photobiology</i> , 2010 , 86, 1343-9	3.6	85
59	Characterizing bubble dynamics created by high-intensity focused ultrasound for the delivery of antibacterial nanoparticles into a dental hard tissue. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2010 , 224, 1285-96	1.7	11

58	Nanoparticulates for antibiofilm treatment and effect of aging on its antibacterial activity. <i>Journal of Endodontics</i> , 2010 , 36, 1030-5	4.7	176
57	Immunogenic potential of <i>Enterococcus faecalis</i> biofilm under simulated growth conditions. <i>Journal of Endodontics</i> , 2010 , 36, 832-6	4.7	16
56	Possibilities of gutta-percha-centered infection in endodontically treated teeth: an in vitro study. <i>Journal of Endodontics</i> , 2010 , 36, 1241-4	4.7	21
55	Effect of hydration on the strain gradients in dental hard tissues after heat and cold application. <i>Journal of Endodontics</i> , 2010 , 36, 1643-7	4.7	7
54	Monitoring bacterial-demineralization of human dentine by electrochemical impedance spectroscopy. <i>Journal of Dentistry</i> , 2010 , 38, 138-48	4.8	11
53	Advanced therapeutic options for endodontic biofilms. <i>Endodontic Topics</i> , 2010 , 22, 99-123		53
52	Biofilm models and methods of biofilm assessment. <i>Endodontic Topics</i> , 2010 , 22, 58-78		45
51	ANIL KISHEN, BDS, MDS, PHD, Associate Professor and Head, Discipline of Endodontics, Faculty of Dentistry, University of Toronto, Toronto, Canada. <i>Endodontic Topics</i> , 2010 , 22, 126-126		
50	A biomimetic strategy to form calcium phosphate crystals on type I collagen substrate. <i>Materials Science and Engineering C</i> , 2010 , 30, 822-826	8.3	40
49	Delivery of antibacterial nanoparticles into dentinal tubules using high-intensity focused ultrasound. <i>Journal of Endodontics</i> , 2009 , 35, 1028-33	4.7	68
48	Uptake pathways of anionic and cationic photosensitizers into bacteria. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 788-95	4.2	162
47	Comparison of the response of human embryonic stem cells and their differentiated progenies to oxidative stress. <i>Photomedicine and Laser Surgery</i> , 2009 , 27, 669-74		16
46	Light activated disinfection: an alternative endodontic disinfection strategy. <i>Australian Dental Journal</i> , 2009 , 54, 108-114	2.3	59
45	Influence of photosensitizer solvent on the mechanisms of photoactivated killing of <i>Enterococcus faecalis</i> . <i>Photochemistry and Photobiology</i> , 2008 , 84, 734-40	3.6	56
44	Influence of irrigation regimens on the adherence of <i>Enterococcus faecalis</i> to root canal dentin. <i>Journal of Endodontics</i> , 2008 , 34, 850-4	4.7	92
43	Augmenting the antibiofilm efficacy of advanced noninvasive light activated disinfection with emulsified oxidizer and oxygen carrier. <i>Journal of Endodontics</i> , 2008 , 34, 1119-23	4.7	55
42	An investigation on the antibacterial and antibiofilm efficacy of cationic nanoparticulates for root canal disinfection. <i>Journal of Endodontics</i> , 2008 , 34, 1515-20	4.7	173
41	Monitoring acid-demineralization of human dentine by electrochemical impedance spectroscopy (EIS). <i>Journal of Dentistry</i> , 2008 , 36, 1005-12	4.8	25

40	Quenching of fluorescence by crystal violet and its use to differentiate between surface-bound and internalized bacteria 2008 ,		1
39	Influence of endodontic chemical treatment on <i>Enterococcus faecalis</i> adherence to collagen studied with laser scanning confocal microscopy and optical tweezers: a preliminary study. <i>Journal of Biomedical Optics</i> , 2008 , 13, 044017	3.5	13
38	EDTA treatment diminishes the antibacterial and anti-adherence effect of calcium hydroxide on <i>Enterococcus faecalis</i> : an in vitro study. <i>Biofilms</i> , 2008 , 1-10		2
37	Fiber optic backscatter spectroscopic sensor to monitor enamel demineralization and remineralization in vitro. <i>Journal of Conservative Dentistry</i> , 2008 , 11, 63-70	0.9	11
36	Hydromechanics in dentine: role of dentinal tubules and hydrostatic pressure on mechanical stress-strain distribution. <i>Dental Materials</i> , 2007 , 23, 1296-306	5.7	35
35	Advanced noninvasive light-activated disinfection: assessment of cytotoxicity on fibroblast versus antimicrobial activity against <i>Enterococcus faecalis</i> . <i>Journal of Endodontics</i> , 2007 , 33, 599-602	4.7	66
34	Effect of tissue fluids on hydrophobicity and adherence of <i>Enterococcus faecalis</i> to dentin. <i>Journal of Endodontics</i> , 2007 , 33, 1421-5	4.7	24
33	Photophysical, photochemical, and photobiological characterization of methylene blue formulations for light-activated root canal disinfection. <i>Journal of Biomedical Optics</i> , 2007 , 12, 034029	3.5	99
32	<i>Enterococcus faecalis</i> -mediated biomineralized biofilm formation on root canal dentine in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 77, 406-15	5.4	106
31	Investigations on the dynamics of water in the macrostructural dentine. <i>Journal of Biomedical Optics</i> , 2006 , 11, 054018	3.5	14
30	Digital moiré interferometric investigations on the deformation gradients of enamel and dentine: an insight into non-carious cervical lesions. <i>Journal of Dentistry</i> , 2006 , 34, 12-8	4.8	22
29	Tooth structural health monitoring with a fiber optic microbend sensor 2006 , 6137, 127		
28	Mechanisms and risk factors for fracture predilection in endodontically treated teeth. <i>Endodontic Topics</i> , 2006 , 13, 57-83		182
27	DENTAL PHOTO-BIOMECHANICS. <i>Series on Biomaterials and Bioengineering</i> , 2006 , 183-208		
26	FIBER OPTIC DIAGNOSTIC SENSORS. <i>Series on Biomaterials and Bioengineering</i> , 2006 , 301-327		
25	The role of environmental changes on monospecies biofilm formation on root canal wall by <i>Enterococcus faecalis</i> . <i>Journal of Endodontics</i> , 2005 , 31, 867-72	4.7	197
24	Periapical biomechanics and the role of cyclic biting force in apical retrograde fluid movement. <i>International Endodontic Journal</i> , 2005 , 38, 597-603	5.4	17
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