Anil Kishen

List of Publications by Year
in descending order

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231 papers	7,062 citations	43973 48 h-index	71532 76 g-index
238 all docs	238 docs citations	238 times ranked	5684 citing authors

#	Article	IF	Citations
1	Evaluation of the Antibacterial Efficacy of Silver Nanoparticles against Enterococcus faecalis Biofilm. Journal of Endodontics, 2014, 40, 285-290.	1.4	263
2	Mechanisms and risk factors for fracture predilection in endodontically treated teeth. Endodontic Topics, 2006, 13, 57-83.	0.5	254
3	The Role of Environmental Changes on Monospecies Biofilm Formation on Root Canal Wall by Enterococcus faecalis. Journal of Endodontics, 2005, 31, 867-872.	1.4	235
4	An Investigation on the Antibacterial and Antibiofilm Efficacy of Cationic Nanoparticulates for Root Canal Disinfection. Journal of Endodontics, 2008, 34, 1515-1520.	1.4	225
5	Nanoparticulates for Antibiofilm Treatment and Effect of Aging on Its Antibacterial Activity. Journal of Endodontics, 2010, 36, 1030-1035.	1.4	217
6	Uptake pathways of anionic and cationic photosensitizers into bacteria. Photochemical and Photobiological Sciences, 2009, 8, 788-795.	1.6	202
7	Impacts of Conservative Endodontic Cavity on Root Canal Instrumentation Efficacy and Resistance to Fracture Assessed in Incisors, Premolars, and Molars. Journal of Endodontics, 2014, 40, 1160-1166.	1.4	188
8	Antibacterial Nanoparticles in Endodontics: AÂReview. Journal of Endodontics, 2016, 42, 1417-1426.	1.4	170
9	Photoactivated rose bengal functionalized chitosan nanoparticles produce antibacterial/biofilm activity and stabilize dentin-collagen. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 491-501.	1.7	159
10	Enterococcus faecalis-mediated biomineralized biofilm formation on root canal dentinein vitro. Journal of Biomedical Materials Research - Part A, 2006, 77A, 406-415.	2.1	133
11	Photophysical, photochemical, and photobiological characterization of methylene blue formulations for light-activated root canal disinfection. Journal of Biomedical Optics, 2007, 12, 034029.	1.4	114
12	Impacts of Contracted Endodontic Cavities on Instrumentation Efficacy and Biomechanical Responses in Maxillary Molars. Journal of Endodontics, 2016, 42, 1779-1783.	1.4	112
13	Comparison of the Incidence of Postoperative Pain after Using 2 Reciprocating Systems and a Continuous Rotary System: A Prospective Randomized Clinical Trial. Journal of Endodontics, 2016, 42, 171-176.	1.4	100
14	Influence of Irrigation Regimens on the Adherence of Enterococcus faecalis to Root Canal Dentin. Journal of Endodontics, 2008, 34, 850-854.	1.4	99
15	Efflux Pump Inhibitor Potentiates Antimicrobial Photodynamic Inactivation of Enterococcus faecalis Biofilm. Photochemistry and Photobiology, 2010, 86, 1343-1349.	1.3	99
16	Polycationic Chitosanâ€Conjugated Photosensitizer for Antibacterial Photodynamic Therapy^{â€}. Photochemistry and Photobiology, 2012, 88, 577-583.	1.3	96
17	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
18	Characterization of a Conjugate between Rose Bengal and Chitosan for Targeted Antibiofilm and Tissue Stabilization Effects as a Potential Treatment of Infected Dentin. Antimicrobial Agents and Chemotherapy, 2012, 56, 4876-4884.	1.4	90

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19	A strain gauge and photoelastic analysis of in vivo strain and in vitro stress distribution in human dental supporting structures. Archives of Oral Biology, 2000, 45, 543-550.	0.8	89
20	Stress-strain response in human dentine: rethinking fracture predilection in postcore restored teeth. Dental Traumatology, 2004, 20, 90-100.	0.8	89
21	Biomimetic Remineralization of Demineralized Dentine Using Scaffold of CMC/ACP Nanocomplexes in an In Vitro Tooth Model of Deep Caries. PLoS ONE, 2015, 10, e0116553.	1.1	88
22	Antibiofilm Efficacy of Photosensitizer-functionalized Bioactive Nanoparticles on Multispecies Biofilm. Journal of Endodontics, 2014, 40, 1604-1610.	1.4	85
23	PRIASE 2021 guidelines for reporting animal studies in Endodontology: a consensusâ€based development. International Endodontic Journal, 2021, 54, 848-857.	2.3	82
24	Delivery of Antibacterial Nanoparticles into Dentinal Tubules Using High-intensity Focused Ultrasound. Journal of Endodontics, 2009, 35, 1028-1033.	1.4	81
25	The Effect of Tissue Inhibitors on the Antibacterial Activity of Chitosan Nanoparticles and Photodynamic Therapy. Journal of Endodontics, 2012, 38, 1275-1278.	1.4	81
26	Advanced Noninvasive Light-activated Disinfection: Assessment of Cytotoxicity on Fibroblast Versus Antimicrobial Activity Against Enterococcus faecalis. Journal of Endodontics, 2007, 33, 599-602.	1.4	79
27	Chelating and antibacterial properties of chitosan nanoparticles on dentin. Restorative Dentistry & Endodontics, 2015, 40, 195.	0.6	79
28	Photodynamically Crosslinked and Chitosan-incorporated Dentin Collagen. Journal of Dental Research, 2011, 90, 1346-1351.	2.5	76
29	Advanced therapeutic options for endodontic biofilms. Endodontic Topics, 2010, 22, 99-123.	0.5	71
30	Antibacterial Properties Associated with Chitosan Nanoparticle Treatment on Root Dentin and 2ÂTypesÂofÂEndodontic Sealers. Journal of Endodontics, 2015, 41, 1353-1358.	1.4	71
31	Light activated disinfection: an alternative endodontic disinfection strategy. Australian Dental Journal, 2009, 54, 108-114.	0.6	70
32	Biomimetic deposition of calcium phosphate minerals on the surface of partially demineralized dentine modified with phosphorylated chitosan. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 98B, 150-159.	1.6	69
33	Influence of Photosensitizer Solvent on the Mechanisms of Photoactivated Killing of Enterococcus faecalis. Photochemistry and Photobiology, 2008, 84, 734-740.	1.3	66
34	Augmenting the Antibiofilm Efficacy of Advanced Noninvasive Light Activated Disinfection with Emulsified Oxidizer and Oxygen Carrier. Journal of Endodontics, 2008, 34, 1119-1123.	1.4	64
35	Biofilm Formation within the Interface of Bovine Root Dentin Treated with Conjugated Chitosan and Sealer Containing Chitosan Nanoparticles. Journal of Endodontics, 2013, 39, 249-253.	1.4	64
36	Oriented and Ordered Biomimetic Remineralization of the Surface of Demineralized Dental Enamel Using HAP@ACP Nanoparticles Guided by Glycine. Scientific Reports, 2017, 7, 40701.	1.6	64

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37	Experimental studies on the nature of property gradients in the human dentine. Journal of Biomedical Materials Research Part B, 2000, 51, 650-659.	3.0	63
38	Characterizing the collagen stabilizing effect of crosslinked chitosan nanoparticles against collagenase degradation. Dental Materials, 2016, 32, 968-977.	1.6	63
39	Effects of Photodynamic Therapy on Clinical and Gingival Crevicular Fluid Inflammatory Biomarkers in Chronic Periodontitis: A Splitâ€Mouth Randomized Clinical Trial. Journal of Periodontology, 2014, 85, 1222-1229.	1.7	62
40	Biomimetic remineralization of demineralized enamel with nano-complexes of phosphorylated chitosan and amorphous calcium phosphate. Journal of Materials Science: Materials in Medicine, 2014, 25, 2619-2628.	1.7	59
41	Biofilm models and methods of biofilm assessment. Endodontic Topics, 2010, 22, 58-78.	0.5	58
42	Contracted endodontic cavities: the foundation for less invasive alternatives in the management of apical periodontitis. Endodontic Topics, 2015, 33, 169-186.	0.5	54
43	Synergistic Effect of Microbubble Emulsion and Sonic or Ultrasonic Agitation on Endodontic Biofilm inÂVitro. Journal of Endodontics, 2012, 38, 1530-1534.	1.4	53
44	Photoactivation of curcumin and sodium hypochlorite to enhance antibiofilm efficacy in root canal dentin. Photodiagnosis and Photodynamic Therapy, 2015, 12, 108-114.	1.3	53
45	Antibacterial Properties of Chitosan Nanoparticles and Propolis Associated with Calcium Hydroxide against Single- and Multispecies Biofilms: An InÂVitro and In Situ Study. Journal of Endodontics, 2017, 43, 1332-1336.	1.4	52
46	Photoactivated Polycationic Bioactive Chitosan Nanoparticles Inactivate Bacterial Endotoxins. Journal of Endodontics, 2015, 41, 686-691.	1.4	51
47	Irrigation dynamics associated with positive pressure, apical negative pressure and passive ultrasonic irrigations: A computational fluid dynamics analysis. Australian Endodontic Journal, 2014, 40, 54-60.	0.6	50
48	Fluid Dynamics and Biofilm Removal Generated by Syringe-delivered and 2 Ultrasonic-assisted Irrigation Methods: A Novel Experimental Approach. Journal of Endodontics, 2015, 41, 884-889.	1.4	50
49	Role of Efflux Pump Inhibitors on the Antibiofilm Efficacy of Calcium Hydroxide, Chitosan Nanoparticles, and Light-activated Disinfection. Journal of Endodontics, 2011, 37, 1422-1426.	1.4	49
50	Assessment of Apical Extrusion during Root Canal IrrigationÂwith the Novel GentleWave System inÂaÂSimulatedÂApical Environment. Journal of Endodontics, 2016, 42, 135-139.	1.4	49
51	Photomechanical investigations on post endodontically rehabilitated teeth. Journal of Biomedical Optics, 2002, 7, 262.	1.4	48
52	Influence of bacterial growth modes on the susceptibility to lightâ€activated disinfection. International Endodontic Journal, 2010, 43, 978-987.	2.3	48
53	A biomimetic strategy to form calcium phosphate crystals on type I collagen substrate. Materials Science and Engineering C, 2010, 30, 822-826.	3.8	46
54	Advances in endodontics: Potential applications in clinical practice. Journal of Conservative Dentistry, 2016, 19, 199.	0.3	45

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55	Advanced digital photoelastic investigations on the toothâ€“bone interface. Journal of Biomedical Optics, 2001, 6, 224.	1.4	44
56	A fiber optic biosensor (FOBS) to monitor mutans streptococci in human saliva. Biosensors and Bioelectronics, 2003, 18, 1371-1378.	5.3	42
57	Experimental investigation on the role of water in the mechanical behavior of structural dentine. Journal of Biomedical Materials Research - Part A, 2005, 73A, 192-200.	2.1	42
58	Bioactive Chitosan Nanoparticles and Photodynamic Therapy Inhibit Collagen Degradation InÂVitro. Journal of Endodontics, 2014, 40, 703-709.	1.4	42
59	Hydromechanics in dentine: Role of dentinal tubules and hydrostatic pressure on mechanical stressâ€“strain distribution. Dental Materials, 2007, 23, 1296-1306.	1.6	40
60	Antibacterial Efficacy of Photosensitizer Functionalized Biopolymeric Nanoparticles in the Presence of Tissue Inhibitors in Root Canal. Journal of Endodontics, 2014, 40, 566-570.	1.4	39
61	Remineralization of partially demineralized dentine substrate based on a biomimetic strategy. Journal of Materials Science: Materials in Medicine, 2012, 23, 733-742.	1.7	38
62	Analysis on the nature of thermally induced deformation in human dentine by electronic speckle pattern interferometry (ESPI). Journal of Dentistry, 2001, 29, 531-537.	1.7	37
63	Preexisting Dentinal Microcracks in Nonendodontically Treated Teeth: An ExÂVivo Microâ€“computed Tomographic Analysis. Journal of Endodontics, 2017, 43, 896-900.	1.4	37
64	Efficacy of Bacteriophage Treatment on Pseudomonas aeruginosa Biofilms. Journal of Endodontics, 2013, 39, 364-369.	1.4	35
65	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. Journal of Endodontics, 2014, 40, 2036-2040.	1.4	35
66	Temporal-controlled Dexamethasone Releasing Chitosan Nanoparticle System Enhances Odontogenic Differentiation of Stem Cells from Apical Papilla. Journal of Endodontics, 2015, 41, 1253-1258.	1.4	35
67	Pulp ECM-derived macroporous scaffolds for stimulation of dental-pulp regeneration process. Dental Materials, 2020, 36, 76-87.	1.6	35
68	Total protein measurement using a fiber-optic evanescent wave-based biosensor. Biotechnology Letters, 2003, 25, 105-110.	1.1	34
69	Monitoring acid-demineralization of human dentine by electrochemical impedance spectroscopy (EIS). Journal of Dentistry, 2008, 36, 1005-1012.	1.7	34
70	Biomechanics of fractures in endodontically treated teeth. Endodontic Topics, 2015, 33, 3-13.	0.5	34
71	Effects of a Bioactive Scaffold Containing aÂSustained Transforming Growth Factor-Î²1â€“releasing Nanoparticle System onÂtheÂMigration and Differentiation of Stem Cells from the Apical Papilla. Journal of Endodontics, 2016, 42, 1385-1392.	1.4	34
72	Temporal-controlled Release of Bovine Serum Albumin from Chitosan Nanoparticles: Effect on the Regulation of Alkaline Phosphatase Activity in Stem Cells from Apical Papilla. Journal of Endodontics, 2014, 40, 1349-1354.	1.4	33

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73	Zinc Oxide Nanoparticles Enhance Physicochemical Characteristics of Grossman Sealer. Journal of Endodontics, 2016, 42, 1804-1810.	1.4	33
74	Investigations of thermal property gradients in the human dentine. Journal of Biomedical Materials Research Part B, 2001, 55, 121-130.	3.0	30
75	Preferred Reporting Items for Epidemiologic Cross-sectional Studies on Root and Root Canal Anatomy Using Cone-beam Computed Tomographic Technology: AÂSystematized Assessment. Journal of Endodontics, 2020, 46, 915-935.	1.4	29
76	The effect of root canal irrigants on dentin: a focused review. Restorative Dentistry & Endodontics, 2020, 45, e39.	0.6	29
77	Digital moirÃ© interferometric investigations on the deformation gradients of enamel and dentine: An insight into non-carious cervical lesions. Journal of Dentistry, 2006, 34, 12-18.	1.7	27
78	Inflammatory potential of monospecies biofilm matrix components. International Endodontic Journal, 2019, 52, 1020-1027.	2.3	27
79	Effect of Tissue Fluids on Hydrophobicity and Adherence of Enterococcus faecalis to Dentin. Journal of Endodontics, 2007, 33, 1421-1425.	1.4	26
80	Possibilities of Gutta-Perchaâ€“centered Infection in Endodontically Treated Teeth: An In Vitro Study. Journal of Endodontics, 2010, 36, 1241-1244.	1.4	24
81	Torsional Profiles of New and Used Revo-S Rotary Instruments: An In Vitro Study. Journal of Endodontics, 2011, 37, 989-992.	1.4	24
82	Biomechanical studies on the effect of iatrogenic dentin removal on vertical root fractures. Journal of Conservative Dentistry, 2018, 21, 290.	0.3	24
83	Validation of Biofilm Assays to Assess Antibiofilm Efficacy in Instrumented Root Canals after Syringe Irrigation and Sonic Agitation. Journal of Endodontics, 2018, 44, 292-298.	1.4	23
84	Investigations on the dynamics of water in the macrostructural dentine. Journal of Biomedical Optics, 2006, 11, 054018.	1.4	21
85	Root Canal Preparation Does Not Induce Dentinal Microcracks InÂVivo. Journal of Endodontics, 2019, 45, 1258-1264.	1.4	21
86	The effects of sequential and continuous chelation on dentin. Dental Materials, 2020, 36, 1655-1665.	1.6	21
87	Dentin Conditioning with Bioactive Molecule Releasing Nanoparticle System Enhances Adherence, Viability, andÂDifferentiation of Stem Cells from Apical Papilla. Journal of Endodontics, 2016, 42, 717-723.	1.4	20
88	Bioactive Molecule Delivery Systems for Dentin-pulp Tissue Engineering. Journal of Endodontics, 2017, 43, 733-744.	1.4	20
89	Eggshell derived nanoâ€hydroxyapatite incorporated carboxymethyl chitosan scaffold for dentine regeneration: A laboratory investigation. International Endodontic Journal, 2022, 55, 89-102.	2.3	20
90	A Scoping Review of 4 Decades of Outcomes in Nonsurgical Root Canal Treatment, Nonsurgical Retreatment, and Apexification Studiesâ€”Part 2: Outcome Measures. Journal of Endodontics, 2022, 48, 29-39.	1.4	20

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91	Periapical biomechanics and the role of cyclic biting force in apical retrograde fluid movement. International Endodontic Journal, 2005, 38, 597-603.	2.3	19
92	Immunogenic Potential of Enterococcus faecalis Biofilm under Simulated Growth Conditions. Journal of Endodontics, 2010, 36, 832-836.	1.4	19
93	Comparison of the Response of Human Embryonic Stem Cells and Their Differentiated Progenies to Oxidative Stress. Photomedicine and Laser Surgery, 2009, 27, 669-674.	2.1	18
94	Determination of bacterial activity by use of an evanescent-wave fiber-optic sensor. Applied Optics, 2002, 41, 7334.	2.1	17
95	Bioactivity of novel carboxymethyl chitosan scaffold incorporating MTA in a tooth model. International Endodontic Journal, 2010, 43, 930-939.	2.3	17
96	Stress distribution in the dento-alveolar system using digital photoelasticity. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2000, 214, 659-667.	1.0	16
97	A Novel Method for Characterizing Beam Hardening Artifacts in Cone-beam Computed Tomographic Images. Journal of Endodontics, 2018, 44, 869-874.	1.4	16
98	Bioactivity of Photoactivated Functionalized Nanoparticles Assessed in Lipopolysaccharide-contaminated Root Canals InÂVivo. Journal of Endodontics, 2018, 44, 104-110.	1.4	16
99	Preferred Reporting Items for Animal Studies in Endodontology: a development protocol. International Endodontic Journal, 2019, 52, 1290-1296.	2.3	16
100	Optimizing Methods for Bovine Dental Pulp Decellularization. Journal of Endodontics, 2021, 47, 62-68.	1.4	16
101	What We Leave Behind In Root Canals After Endodontic Treatment: Some Issues and Concerns. Australian Endodontic Journal, 2005, 31, 94-100.	0.6	15
102	Residual Microstrain in Root Dentin after Canal Instrumentation Measured with Digital MoirÃ© Interferometry. Journal of Endodontics, 2016, 42, 1397-1402.	1.4	15
103	Impact of Dentin Substrate Modification with Chitosan-Hydroxyapatite Precursor Nanocomplexes on Sealer Penetration and Tensile Strength. Journal of Endodontics, 2019, 45, 935-942.	1.4	15
104	PRIASE 2021 guidelines for reporting animal studies in Endodontology: explanation and elaboration. International Endodontic Journal, 2021, 54, 858-886.	2.3	15
105	Photomechanical investigations on the stress-strain relationship in dentine macrostructure. Journal of Biomedical Optics, 2005, 10, 034010.	1.4	14
106	Monitoring bacterial-demineralization of human dentine by electrochemical impedance spectroscopy. Journal of Dentistry, 2010, 38, 138-148.	1.7	14
107	Temporal-controlled bioactive molecules releasing core-shell nano-system for tissue engineering strategies in endodontics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 18, 11-20.	1.7	14
108	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.	2.3	14

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109	Engineered Chitosan-based Nanoparticles Modulate Macrophageâ€“Periodontal Ligament Fibroblast Interactions in Biofilm-mediated Inflammation. Journal of Endodontics, 2021, 47, 1435-1444.	1.4	14
110	Fiber optic backscatter spectroscopic sensor to monitor enamel demineralization and remineralizationin vitro. Journal of Conservative Dentistry, 2008, 11, 63.	0.3	14
111	Mechanism of strength increase for a hydrothermal porcelain. Dental Materials, 2003, 19, 625-631.	1.6	13
112	Influence of endodontic chemical treatment on Enterococcus faecalis adherence to collagen studied with laser scanning confocal microscopy and optical tweezers: a preliminary study. Journal of Biomedical Optics, 2008, 13, 044017.	1.4	13
113	Electrokinetic transport and distribution of antibacterial nanoparticles for endodontic disinfection. International Endodontic Journal, 2020, 53, 1120-1130.	2.3	13
114	Middle Mesial Canal Preparation Enhances the Risk of Fracture in Mesial Root of Mandibular Molars. Journal of Endodontics, 2020, 46, 1323-1329.	1.4	13
115	Microtissue Engineering Root Dentin with Photodynamically Cross-linked Nanoparticles Improves Fatigue Resistance of Endodontically Treated Teeth. Journal of Endodontics, 2020, 46, 668-674.	1.4	13
116	Characterizing Bubble Dynamics Created by High-Intensity Focused Ultrasound for the Delivery of Antibacterial Nanoparticles into a Dental Hard Tissue. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2010, 224, 1285-1296.	1.0	12
117	Potential of Treated Dentin Matrix Xenograft for Dentin-Pulp Tissue Engineering. Journal of Endodontics, 2020, 46, 57-64.e1.	1.4	12
118	Effect of protease inhibitor specificity on dentin matrix properties. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 109, 103861.	1.5	12
119	Interfacial Characterization of Dentin Conditioned with Chitosan Hydroxyapatite Precursor Nanocomplexes Using Time-of-flight Secondary Ion Mass Spectrometry. Journal of Endodontics, 2019, 45, 1513-1521.	1.4	11
120	Efficacy of bioactive nanoparticles on tissueâ€endotoxin induced suppression of stem cell viability, migration and differentiation. International Endodontic Journal, 2020, 53, 859-870.	2.3	11
121	Local Immunomodulatory Effects of Intracanal Medications in Apical Periodontitis. Journal of Endodontics, 2022, 48, 430-456.	1.4	11
122	Effect of hydrolyzed surface layer on the cytotoxicity and chemical resistance of a low fusing porcelain. Dental Materials, 2003, 19, 353-358.	1.6	10
123	Chairside Sensor for Rapid Monitoring of Enterococcus faecalis Activity. Journal of Endodontics, 2004, 30, 872-875.	1.4	10
124	Deciphering dentin tissue biomechanics using digital moirÃ© interferometry: A narrative review. Optics and Lasers in Engineering, 2018, 107, 273-280.	2.0	10
125	Microtissue engineering root canal dentine with crosslinked biopolymeric nanoparticles for mechanical stabilization. International Endodontic Journal, 2018, 51, 1171-1180.	2.3	10
126	Constitutive Activation of Î²-Catenin in Differentiated Osteoclasts Induces Bone Loss in Mice. Cellular Physiology and Biochemistry, 2018, 48, 2091-2102.	1.1	10

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127	A chitosan-based irrigant improves the dislocation resistance of a mineral trioxide aggregate-resin hybrid root canal sealer. Clinical Oral Investigations, 2020, 24, 151-156.	1.4	10
128	Antibiofilm and Immune Response of Engineered Bioactive Nanoparticles for Endodontic Disinfection. Journal of Clinical Medicine, 2020, 9, 730.	1.0	10
129	Proteomic profiling reveals engineered chitosan nanoparticles mediated cellular crosstalk and immunomodulation for therapeutic application in apical periodontitis. Bioactive Materials, 2022, 11, 77-89.	8.6	10
130	A Scoping Review of 4 Decades of Outcomes in Nonsurgical Root Canal Treatment, Nonsurgical Retreatment, and Apexification Studiesâ€"Part 1: Process and General Results. Journal of Endodontics, 2022, 48, 15-28.	1.4	10
131	Human amniotic membrane extracellular matrix scaffold for dental pulp regeneration in vitro and in vivo. International Endodontic Journal, 2022, 55, 374-390.	2.3	10
132	Qualitative Time-of-Flight Secondary Ion Mass Spectrometry Analysis of Root Dentin Irrigated with Sodium Hypochlorite, EDTA, or Chlorhexidine. Journal of Endodontics, 2015, 41, 1672-1677.	1.4	9
133	Drug-Silica Coassembled Particles Improve Antimicrobial Properties of Endodontic Sealers. Journal of Endodontics, 2021, 47, 793-799.	1.4	9
134	Biofilm formation following chitosan-based varnish or chlorhexidine-fluoride varnish applicationÂin patients undergoing fixed orthodontic treatment: a double blinded randomised controlled trial. BMC Oral Health, 2021, 21, 465.	0.8	9
135	A Scoping Review of Four Decades of Outcomes in Nonsurgical Root Canal Treatment, Nonsurgical Retreatment, and Apexification Studies: Part 3â€"A Proposed Framework for Standardized Data Collection and Reporting of Endodontic Outcome Studies. Journal of Endodontics, 2022, 48, 40-54.	1.4	9
136	Biomechanical Effects of Bonding Pericervical Dentin in Maxillary Premolars. Journal of Endodontics, 2018, 44, 659-664.	1.4	8
137	Free Water Lossâ€"induced Heterogeneous Residual Strain and Reduced Fatigue Resistance in Root Dentin: A 3-dimensional Digital Image Correlation Analysis. Journal of Endodontics, 2019, 45, 742-749.	1.4	8
138	Novel Activated Microbubbles-based Strategy to Coat Nanoparticles on Root Canal Dentin: Fluid Dynamical Characterization. Journal of Endodontics, 2019, 45, 797-802.	1.4	8
139	Digital speckle pattern interferometric (DSPI) and thermo-graphic investigations on the thermal responds in human teeth. Optics and Lasers in Engineering, 2003, 39, 489-500.	2.0	7
140	Effect of Hydration on the Strain Gradients in Dental Hard Tissues after Heat and Cold Application. Journal of Endodontics, 2010, 36, 1643-1647.	1.4	7
141	Impact of apical extent of root canal filling on vertical root fracture: a caseâ€"control study. International Endodontic Journal, 2019, 52, 1283-1289.	2.3	7
142	Bioactive molecule carrier systems in endodontics. Expert Opinion on Drug Delivery, 2020, 17, 1093-1112.	2.4	7
143	Biomechanics of endodontic endosseous implants?a comparative photoelastic evaluation. Dental Traumatology, 1999, 15, 83-87.	0.8	6
144	Nanoparticles for Endodontic Disinfection. , 2015, , 97-119.		6

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145	Wholeâ€field macroâ€and microâ€deformation characteristic of unbound waterâ€loss in dentin hard tissue. Journal of Biophotonics, 2018, 11, e201700368.	1.1	6
146	The effects of physical photostimulable phosphor plate artifacts on the radiologic interpretation of periapical inflammatory disease. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2020, 129, 621-628.	0.2	6
147	InÂVivo Strain Alterations in Mandibular Molars after Root Canal Treatment Procedures. Journal of Endodontics, 2020, 46, 1849-1855.	1.4	6
148	Maxillary Anterior Teeth With Extensive Root Resorption Treated With Low-level Light-activated Engineered Chitosan Nanoparticles. Journal of Endodontics, 2021, 47, 1182-1190.	1.4	6
149	Photodynamic Therapy for Root Canal Disinfection. , 2015, , 237-251.		5
150	Alternative model for cathepsin K activation in human dentin. Dental Materials, 2019, 35, 1630-1636.	1.6	5
151	A Novel Self-Mineralizing Antibacterial Tissue Repair Varnish to Condition Root-end Dentin in Endodontic Microsurgery. Journal of Endodontics, 2021, 47, 939-946.	1.4	5
152	Effect of Crosslinked Chitosan Nanoparticles on the Bonding Quality of Fiber Posts in Root Canals. Journal of Adhesive Dentistry, 2020, 22, 321-330.	0.3	5
153	Effect of two desensitizing agents on dentin hypersensitivity: A randomized split-mouth clinical trial. Journal of Conservative Dentistry, 2019, 22, 522.	0.3	5
154	Assessing Macrophage Polarization in Nanoparticle-Guided Wound Repair Using a Lipopolysaccharide Contaminated Intraosseous Model. Journal of Endodontics, 2022, 48, 109-116.	1.4	5
155	Caries-risk assessment with a chairside optical spectroscopic sensor by monitoring bacterial-mediated acidogenic-profile of saliva in children. Journal of Conservative Dentistry, 2011, 14, 395.	0.3	5
156	Promoting mineralization at biological interfaces Ex vivo with novel amelotin-based bio-nano complexes. Materials Today Bio, 2022, 14, 100255.	2.6	5
157	Photodynamic therapy for inactivating endodontic bacterial biofilms and effect of tissue inhibitors on antibacterial efficacy. , 2013, , .		4
158	Interaction of epigallocatechin-gallate and chlorhexidine with Streptococcus mutans stimulated odontoblast-like cells: Cytotoxicity, Interleukin-1Î² and co-species proteomic analyses. Archives of Oral Biology, 2021, 131, 105268.	0.8	4
159	Biomineralization and Biomaterial Considerations in Dentin Remineralization. Journal of Operative Dentistry & Endodontics, 2016, 1, 7-12.	0.1	4
160	Effect of taxifolin and epigallocatechin-3-gallate on biomineralization potential of stem cells from dental apical papilla. Archives of Oral Biology, 2022, 138, 105413.	0.8	4
161	Impact of Dentin Conditioning and Sealer Modification With Chitosan-Hydroxyapatite Nanocomplexes on the Antibacterial and Mechanical Characteristics of Root Dentin. Journal of Endodontics, 2022, 48, 1319-1326.	1.4	4
162	Scanning electron microscopic and energy dispersive spectrometric investigations on the effect of XeCl excimer laser on human dentin with smear layer. Journal of Oral Rehabilitation, 2002, 29, 1003-1009.	1.3	3

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