## Ya Shen

## List of Publications by Year in descending order

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VA SHEN

#	Article	IF	CITATIONS
1	Irrigation in Endodontics. Dental Clinics of North America, 2010, 54, 291-312.	1.8	423
2	Current Challenges and Concepts of the Thermomechanical Treatment of Nickel-Titanium Instruments. Journal of Endodontics, 2013, 39, 163-172.	3.1	380
3	Physical Properties of 5 Root Canal Sealers. Journal of Endodontics, 2013, 39, 1281-1286.	3.1	298
4	Antibacterial Activity of Endodontic Sealers by Modified Direct Contact Test Against Enterococcus faecalis. Journal of Endodontics, 2009, 35, 1051-1055.	3.1	290
5	Antimicrobial Efficacy of Chlorhexidine against Bacteria in Biofilms at Different Stages of Development. Journal of Endodontics, 2011, 37, 657-661.	3.1	206
6	A New Noninvasive Model to Study the Effectiveness of Dentin Disinfection by Using Confocal Laser Scanning Microscopy. Journal of Endodontics, 2011, 37, 1380-1385.	3.1	202
7	Phase Transformation Behavior and Resistance to Bending and Cyclic Fatigue of ProTaper Gold and ProTaper Universal Instruments. Journal of Endodontics, 2015, 41, 1134-1138.	3.1	189
8	Comparison of Defects in ProFile and ProTaper Systems after Clinical Use. Journal of Endodontics, 2006, 32, 61-65.	3.1	169
9	Biocompatibility of Two Novel Root Repair Materials. Journal of Endodontics, 2011, 37, 793-798.	3.1	156
10	Fatigue Testing of Controlled Memory Wire Nickel-Titanium Rotary Instruments. Journal of Endodontics, 2011, 37, 997-1001.	3.1	149
11	Metallurgical Characterization of Controlled Memory Wire Nickel-Titanium Rotary Instruments. Journal of Endodontics, 2011, 37, 1566-1571.	3.1	144
12	Dental materials with antibiofilm properties. Dental Materials, 2014, 30, e1-e16.	3.5	142
13	Effect of the Source of Biofilm Bacteria, Level of Biofilm Maturation, and Type of Disinfecting Agent on the Susceptibility of Biofilm Bacteria to Antibacterial Agents. Journal of Endodontics, 2013, 39, 473-477.	3.1	135
14	Root Canal Preparation of Mandibular Molars with 3 Nickel-Titanium Rotary Instruments: AÂMicro–Computed Tomographic Study. Journal of Endodontics, 2014, 40, 1860-1864.	3.1	125
15	InÂVitro Cytotoxicity of Calcium Silicate–containing Endodontic Sealers. Journal of Endodontics, 2015, 41, 56-61.	3.1	123
16	Evaluation of the Effect of Two Chlorhexidine Preparations on Biofilm Bacteria In Vitro: A Three-Dimensional Quantitative Analysis. Journal of Endodontics, 2009, 35, 981-985.	3.1	114
17	Bacterial Viability in Starved and Revitalized Biofilms: Comparison of Viability Staining and Direct Culture. Journal of Endodontics, 2010, 36, 1820-1823.	3.1	105
18	Mechanical Properties of Controlled Memory and Superelastic Nickel-Titanium Wires Used in the Manufacture of Rotary Endodontic Instruments. Journal of Endodontics, 2012, 38, 1535-1540.	3.1	96

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19	InÂVitro Efficacy of XP-endo Finisher with 2 Different Protocols on Biofilm Removal from Apical Root Canals. Journal of Endodontics, 2017, 43, 321-325.	3.1	96
20	Tissue Dissolution by a Novel Multisonic Ultracleaning System and Sodium Hypochlorite. Journal of Endodontics, 2014, 40, 1178-1181.	3.1	92
21	Factors associated with the removal of fractured NiTi instruments from root canal systems. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2004, 98, 605-610.	1.4	90
22	Dentin Extends the Antibacterial Effect of Endodontic Sealers against Enterococcus faecalis Biofilms. Journal of Endodontics, 2014, 40, 505-508.	3.1	89
23	Three-dimensional Numeric Simulation of Root Canal Irrigant Flow with Different Irrigation Needles. Journal of Endodontics, 2010, 36, 884-889.	3.1	88
24	Efficacy of ProTaper Universal Rotary Retreatment System forÂGutta-percha Removal from Oval Root Canals: AÂMicro–Computed Tomography Study. Journal of Endodontics, 2012, 38, 1516-1520.	3.1	88
25	The Synergistic Antimicrobial Effect by Mechanical Agitation and Two Chlorhexidine Preparations on Biofilm Bacteria. Journal of Endodontics, 2010, 36, 100-104.	3.1	85
26	Effect of Environment on Fatigue Failure of Controlled Memory Wire Nickel-Titanium Rotary Instruments. Journal of Endodontics, 2012, 38, 376-380.	3.1	84
27	Effect of Long-term Exposure to Endodontic Disinfecting Solutions on Young and Old Enterococcus faecalis Biofilms in Dentin Canals. Journal of Endodontics, 2014, 40, 509-514.	3.1	84
28	Characteristics of Endodontic Emergencies during Coronavirus Disease 2019 Outbreak in Wuhan. Journal of Endodontics, 2020, 46, 730-735.	3.1	80
29	Defects in Nickel-Titanium Instruments after Clinical Use. Part 2: Fractographic Analysis of Fractured Surface in a Cohort Study. Journal of Endodontics, 2009, 35, 133-136.	3.1	75
30	Physical properties and hydration behavior of a fast-setting bioceramic endodontic material. BMC Oral Health, 2016, 16, 23.	2.3	68
31	Defects in Nickel-Titanium Instruments after Clinical Use. Part 1: Relationship between Observed Imperfections and Factors Leading to Such Defects in a Cohort Study. Journal of Endodontics, 2009, 35, 129-132.	3.1	67
32	Treatment of Oral Multispecies Biofilms by an Anti-Biofilm Peptide. PLoS ONE, 2015, 10, e0132512.	2.5	65
33	Reasons for persistent and emerging postâ€ŧreatment endodontic disease. Endodontic Topics, 2008, 18, 31-50.	0.5	64
34	Cytotoxicity and the Effect of Temperature on Physical Properties and Chemical Composition of a New Calcium Silicate–based Root CanalÂSealer. Journal of Endodontics, 2020, 46, 531-538.	3.1	58
35	Cyclic Fatigue of ProFile Vortex and Vortex Blue Nickel-Titanium Files in Single and Double Curvatures. Journal of Endodontics, 2015, 41, 1686-1690.	3.1	55
36	Phase Transformation Behavior and Mechanical Properties ofÂThermomechanically Treated K3XF Nickel-Titanium Instruments. Journal of Endodontics, 2013, 39, 919-923.	3.1	54

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37	InÂVitro Study of Calcium Hydroxide Removal fromÂMandibular Molar Root Canals. Journal of Endodontics, 2015, 41, 553-558.	3.1	53
38	Antibacterial Coatings on Titanium Surfaces: A Comparison Study Between <i>in Vitro</i> Single-Species and Multispecies Biofilm. ACS Applied Materials & Interfaces, 2015, 7, 5992-6001.	8.0	53
39	Experimental and Theoretical Investigation of Multispecies Oral Biofilm Resistance to Chlorhexidine Treatment. Scientific Reports, 2016, 6, 27537.	3.3	51
40	Defects in Nickel-Titanium Instruments after Clinical Use. Part 3: A 4-Year Retrospective Study from an Undergraduate Clinic. Journal of Endodontics, 2009, 35, 193-196.	3.1	50
41	Anti-Biofilm and Immunomodulatory Activities of Peptides That Inhibit Biofilms Formed by Pathogens Isolated from Cystic Fibrosis Patients. Antibiotics, 2014, 3, 509-526.	3.7	49
42	Does Electropolishing Improve the Low-cycle Fatigue Behavior of a Nickel–Titanium Rotary Instrument in Hypochlorite?. Journal of Endodontics, 2007, 33, 1217-1221.	3.1	47
43	Defects in Nickel-Titanium Instruments after Clinical Use. Part 5: Single Use From Endodontic Specialty Practices. Journal of Endodontics, 2009, 35, 1363-1367.	3.1	46
44	Three-dimensional Analysis of Cutting Behavior of Nickel-Titanium Rotary Instruments by Microcomputed Tomography. Journal of Endodontics, 2008, 34, 606-610.	3.1	42
45	Combined Antibacterial Effect of Sodium Hypochlorite and Root Canal Sealers against Enterococcus faecalis Biofilms in Dentin Canals. Journal of Endodontics, 2015, 41, 1294-1298.	3.1	42
46	ProFile Vortex and Vortex Blue Nickel-Titanium Rotary Instruments after Clinical Use. Journal of Endodontics, 2015, 41, 937-942.	3.1	42
47	Evaluation of Root Canal Dentin Erosion after Different Irrigation Methods Using Energy-dispersive X-ray Spectroscopy. Journal of Endodontics, 2016, 42, 1834-1839.	3.1	42
48	Low Environmental Temperature Influences the Fatigue Resistance of Nickel-titanium Files. Journal of Endodontics, 2018, 44, 626-629.	3.1	42
49	Imbalance of Interleukin-17+ T-cell and Foxp3+ Regulatory T-cell Dynamics in Rat Periapical Lesions. Journal of Endodontics, 2014, 40, 56-62.	3.1	41
50	Fatigue Resistance of Nickel-titanium Instruments Exposed to High-concentration Hypochlorite. Journal of Endodontics, 2017, 43, 1847-1851.	3.1	41
51	Antibiofilm peptides against oral biofilms. Journal of Oral Microbiology, 2017, 9, 1327308.	2.7	39
52	Antibiofilm peptides against biofilms on titanium and hydroxyapatite surfaces. Bioactive Materials, 2018, 3, 418-425.	15.6	38
53	A 3D numerical study of antimicrobial persistence in heterogeneous multi-species biofilms. Journal of Theoretical Biology, 2016, 392, 83-98.	1.7	36
54	Effect of Fatigue on Torsional Failure of Nickel-Titanium Controlled Memory Instruments. Journal of Endodontics, 2014, 40, 562-565.	3.1	35

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55	Evaluation of the Susceptibility of Multispecies Biofilms in Dentinal Tubules to Disinfecting Solutions. Journal of Endodontics, 2016, 42, 1246-1250.	3.1	35
56	WaveOne Rotary Instruments after Clinical Use. Journal of Endodontics, 2016, 42, 186-189.	3.1	35
57	ProFile Vortex Instruments after Clinical Use: A Metallurgical Properties Study. Journal of Endodontics, 2012, 38, 1613-1617.	3.1	32
58	Clinical use of bioceramic materials. Endodontic Topics, 2015, 32, 97-117.	0.5	31
59	Evaluation of the Effect of Needle Position on Irrigant Flow in the C-shaped Root Canal Using a Computational Fluid Dynamics Model. Journal of Endodontics, 2015, 41, 931-936.	3.1	31
60	Apical pressure created during irrigation with the GentleWaveâ,,¢ system compared to conventional syringe irrigation. Clinical Oral Investigations, 2016, 20, 1525-1534.	3.0	31
61	Chemotherapeutic decontamination of dental implants colonized by mature multispecies oral biofilm. Journal of Clinical Periodontology, 2017, 44, 403-409.	4.9	30
62	External Cervical Resorption: AÂRetrospective Case-Control Study. Journal of Endodontics, 2020, 46, 1420-1427.	3.1	30
63	Root Canal Wall Dentin Structure in Uninstrumented but Cleaned Human Premolars: A Scanning Electron Microscopic Study. Journal of Endodontics, 2018, 44, 842-848.	3.1	29
64	Fatigue Resistance of a 3-dimensional Conforming Nickel-Titanium Rotary Instrument in Double Curvatures. Journal of Endodontics, 2016, 42, 961-964.	3.1	24
65	Evaluation of Two Trephine Techniques for Removal of Fractured Rotary Nickel-titanium Instruments from Root Canals. Journal of Endodontics, 2017, 43, 116-120.	3.1	24
66	Influence of Endodontic Procedure on the Adherence of Enterococcus faecalis. Journal of Endodontics, 2019, 45, 943-949.	3.1	24
67	Defects in Nickel-Titanium Instruments after Clinical Use. Part 4: An Electropolished Instrument. Journal of Endodontics, 2009, 35, 197-201.	3.1	23
68	Antibiofilm Effect of D-enantiomeric Peptide Alone and Combined with EDTA InÂVitro. Journal of Endodontics, 2017, 43, 1862-1867.	3.1	22
69	Rare Root Canal Configuration of Bilateral Maxillary Second Molar Using Cone-beam Computed Tomographic Scanning. Journal of Endodontics, 2016, 42, 673-677.	3.1	21
70	Effect of Torsional and Fatigue Preloading on HyFlex EDM Files. Journal of Endodontics, 2018, 44, 643-647.	3.1	21
71	In vitro evaluation by quantitative real-time PCR and culturing of the effectiveness of disinfection of multispecies biofilms in root canals by two irrigation systems. Clinical Oral Investigations, 2019, 23, 913-920.	3.0	21
72	Quality of Root Filling after Obturation with Gutta-percha and 3 Different Sealers of Minimally Instrumented Root canals of the Maxillary First Molar. Journal of Endodontics, 2019, 45, 1030-1035.	3.1	21

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73	Suppression of αvβ6 Integrin Expression by Polymicrobial Oral Biofilms in Gingival Epithelial Cells. Scientific Reports, 2017, 7, 4411.	3.3	20
74	Antimicrobial Effect of Peptide DJK-5 Used Alone or Mixed with EDTA on Mono- and Multispecies Biofilms in Dentin Canals. Journal of Endodontics, 2018, 44, 1709-1713.	3.1	20
75	The ability of different irrigation methods to remove mixtures of calcium hydroxide and barium sulphate from isthmuses in 3D printed transparent root canal models. Odontology / the Society of the Nippon Dental University, 2022, 110, 27-34.	1.9	20
76	Doxycycline release and antibacterial activity from PMMA/PEO electrospun fiber mats. Journal of Applied Oral Science, 2019, 27, e20180663.	1.8	20
77	What do different tests tell about the mechanical and biological properties of bioceramic materials?. Endodontic Topics, 2015, 32, 47-85.	0.5	19
78	A novel hydroxyapatite-binding antimicrobial peptide against oral biofilms. Clinical Oral Investigations, 2019, 23, 2705-2712.	3.0	19
79	Characteristics of the Irrigant Flow in a Simulated Lateral Canal Under Two Typical Laserâ€Activated Irrigation Regimens. Lasers in Surgery and Medicine, 2021, 53, 587-594.	2.1	17
80	Analysis of Defects in ProTaper Hand-operated Instruments after Clinical Use. Journal of Endodontics, 2007, 33, 287-290.	3.1	16
81	Antimicrobial effects of agitational irrigation on single- and multispecies biofilms in dentin canals. Odontology / the Society of the Nippon Dental University, 2023, 111, 49-56.	1.9	16
82	Effect of a Combination of Torsional and Cyclic Fatigue Preloading on the Fracture Behavior of K3 and K3XF Instruments. Journal of Endodontics, 2015, 41, 526-530.	3.1	15
83	Physicochemical and Biological Evaluation of Endodontic Filling Materials for Primary Teeth. Brazilian Dental Journal, 2017, 28, 578-586.	1.1	15
84	Effects of two fast-setting pulp-capping materials on cell viability and osteogenic differentiation in human dental pulp stem cells: An in vitro study. Archives of Oral Biology, 2019, 100, 100-105.	1.8	15
85	Torque Generation of the Endodontic Instruments: A Narrative Review. Materials, 2022, 15, 664.	2.9	15
86	Mechanical Behavior of ProTaper Universal F2 Finishing File under Various Curvature Conditions: A Finite Element Analysis Study. Journal of Endodontics, 2011, 37, 1446-1450.	3.1	14
87	A Micro–Computed Tomographic Assessment ofÂthe Influence of Operator's Experience onÂtheÂQuality of WaveOne Instrumentation. Journal of Endodontics, 2016, 42, 1258-1262.	3.1	14
88	Effect of Long-term Exposure to Peptides on Mono- and Multispecies Biofilms in Dentinal Tubules. Journal of Endodontics, 2019, 45, 1522-1528.	3.1	14
89	Dynamics of Dissolution, Killing, and Inhibition of Dental Plaque Biofilm. Frontiers in Microbiology, 2020, 11, 964.	3.5	14
90	Effect of iRoot Fast Set root repair material on the proliferation, migration and differentiation of human dental pulp stem cells in vitro. PLoS ONE, 2017, 12, e0186848.	2.5	14

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91	Efficacy of XP-endo instruments in removing 54 month-aged root canal filling material from mandibular molars. Journal of Dentistry, 2021, 112, 103734.	4.1	13
92	Antibiofilm and immunomodulatory resorbable nanofibrous filing for dental pulp regenerative procedures. Bioactive Materials, 2022, 16, 173-186.	15.6	13
93	Biocompatibility of a New Calcium Silicate-Based Root Canal Sealer Mediated via the Modulation of Macrophage Polarization in a Rat Model. Materials, 2022, 15, 1962.	2.9	13
94	Remaining root dentin thickness in mesiobuccal canals of maxillary first molars after attempted removal of broken instrument fragments. Australian Endodontic Journal, 2015, 41, 122-127.	1.5	12
95	Evaluation of Quality and Preparation Time of Retrograde Cavities in Root Canals Filled with GuttaCore and Cold Lateral Condensation Technique. Journal of Endodontics, 2018, 44, 639-642.	3.1	12
96	Epidermal growth factor receptor signaling suppresses $\hat{I}\pm v\hat{I}^26$ integrin and promotes periodontal inflammation and bone loss. Journal of Cell Science, 2020, 133, .	2.0	12
97	Decontamination of rough implant surfaces colonized by multispecies oral biofilm by application of leukocyte―and platelet―ich fibrin. Journal of Periodontology, 2021, 92, 875-885.	3.4	12
98	Micro–computed Tomographic Evaluation of the Quality of Root Canal Fillings in Mandibular Molars after Obturation for 54ÂMonths. Journal of Endodontics, 2021, 47, 1783-1789.	3.1	12
99	External cervical resorption – Treatment outcomes and determinants: A retrospective cohort study with up to 10Âyears of followâ€up. International Endodontic Journal, 2022, 55, 441-452.	5.0	12
100	Removal of calcifications from distal canals of mandibular molars by a nonâ€instrumentational cleaning system: A micro―CT study. Australian Endodontic Journal, 2020, 46, 11-16.	1.5	11
101	Resumption of Endodontic Practices in COVID-19 Hardest-Hit Area of China: A Web-based Survey. Journal of Endodontics, 2020, 46, 1577-1583.e2.	3.1	11
102	Long-term porosity and retreatability of oval-shaped canals obturated using two different methods with a novel tricalcium silicate sealer. Clinical Oral Investigations, 2022, 26, 1045-1052.	3.0	11
103	Biomaterial scaffolds for clinical procedures in endodontic regeneration. Bioactive Materials, 2022, 12, 257-277.	15.6	11
104	Antimicrobial and Antibiofilm Properties of Bioceramic Materials in Endodontics. Materials, 2021, 14, 7594.	2.9	11
105	The remaining dentin thickness investigation of the attempt to remove broken instrument from mesiobuccal canals of maxillary first molars with virtual simulation technique. BMC Oral Health, 2015, 15, 87.	2.3	10
106	Effects of dentine surface cleaning on bonding of a self-etch adhesive to root canal sealer-contaminated dentine. Journal of Dentistry, 2021, 112, 103766.	4.1	10
107	Effects of Root Canal Curvature and Mechanical Properties of Nickel-Titanium Files on Torque Generation. Journal of Endodontics, 2021, 47, 1501-1506.	3.1	10
108	In vitro evaluation of the antibacterial effect of four root canal sealers on dental biofilms. Clinical Oral Investigations, 2022, 26, 4361-4368.	3.0	10

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109	Fatigue resistance of ProTaper gold exposed to high-concentration sodium hypochlorite in double curvature artificial canal. Bioactive Materials, 2019, 4, 245-248.	15.6	9
110	Modeling Oral Multispecies Biofilm Recovery After Antibacterial Treatment. Scientific Reports, 2019, 9, 804.	3.3	9
111	Effect of Curvature Location on Fatigue Resistance of Five Nickel-titanium Files Determined at Body Temperature. Journal of Endodontics, 2020, 46, 1682-1688.	3.1	8
112	Effect of canal curvature location on the cyclic fatigue resistance of reciprocating files. Clinical Oral Investigations, 2021, 25, 169-177.	3.0	8
113	Root dentine thickness in Câ€shaped lower second molars after instrumentation: A CBCT and micro T study. Australian Endodontic Journal, 2021, 47, 122-129.	1.5	7
114	A microâ€computed tomography study of the negotiation and anatomical feature in apical root canal of mandibular molars. Scanning, 2016, 38, 819-824.	1.5	6
115	Effectiveness of photon-initiated photoacoustic streaming in root canal models with different diameters or tapers. BMC Oral Health, 2021, 21, 307.	2.3	6
116	Characterisation of deformed or separated nickel-titanium retreatment instruments after clinical use - A multicentre experience. Journal of Dentistry, 2022, 117, 103939.	4.1	5
117	Bifunctional bioceramics stimulating osteogenic differentiation of a gingival fibroblast and inhibiting plaque biofilm formation. Biomaterials Science, 2016, 4, 639-651.	5.4	4
118	Palatogingival grooves associated with periodontal bone Loss of maxillary incisors in a Chinese population. Australian Endodontic Journal, 2022, 48, 313-321.	1.5	4
119	Intraâ€operative application of chlorhexidine gel reduces bacterial counts in internal implant cavity. European Journal of Oral Sciences, 2015, 123, 425-431.	1.5	3
120	Geometric Analysis of the Distolingual Root and Canal in Mandibular First Molars: A Micro–computed Tomographic Study. Journal of Endodontics, 2021, 47, 779-786.	3.1	3
121	Effect of apical size on apical pressure during syringe-needle and multisonic negative pressure irrigation. Odontology / the Society of the Nippon Dental University, 2021, 109, 625-631.	1.9	3
122	Antibiofilm Activity of Five Different Endodontic Filling Materials Used in Primary Teeth Using Confocal Laser Scanning Microscopy. Pediatric Dentistry (discontinued), 2017, 39, 145-149.	0.4	3
123	Comparison of the effects from coronal preâ€flaring and glideâ€path preparation on torque generation during root canal shaping procedure. Australian Endodontic Journal, 2022, 48, 131-137.	1.5	2
124	YA SHEN, DDS, PHD, Assistant Professor, Division of Endodontics, Department of Oral Biological & Medical Sciences, Faculty of Dentistry, University of British Columbia, Vancouver, Canada. Endodontic Topics, 2010, 22, 134-134.	0.5	0
125	Ya Shen, DDS, PHD, Assistant Professor, Division of Endodontics, Department of Oral Biological & Medical Sciences, Faculty of Dentistry, University of British Columbia, Vancouver, Canada. Endodontic Topics, 2012, 27, 110-110.	0.5	0
126	Ya Shen, DDS, PHD, Assistant Professor, Division of Endodontics, Department of Oral Biological & Medical Sciences, Faculty of Dentistry, University of British Columbia, Vancouver, Canada. Endodontic Topics, 2013, 29, 169-169.	0.5	0

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127	YA SHEN, DDS, PHD, Assistant Professor, Division of Endodontics, Department of Oral Biological & Medical Sciences, Faculty of Dentistry, University of British Columbia, Vancouver, Canada. Endodontic Topics, 2015, 32, 127-127.	0.5	0