

Franklin R Tay

List of Publications by Year in descending order

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276
papers

15,881
citations

15504

65
h-index

22832

112
g-index

281
all docs

281
docs citations

281
times ranked

11264
citing authors

#	ARTICLE	IF	CITATIONS
1	The Janus Nature of Nanohydroxyapatite in Tumor Progression. <i>Advanced Functional Materials</i> , 2022, 32, 2107599.	14.9	7
2	Multifunctional Nanomachinery for Enhancement of Bone Healing. <i>Advanced Materials</i> , 2022, 34, e2107924.	21.0	25
3	Polyphosphate-crosslinked collagen scaffolds for hemostasis and alveolar bone regeneration after tooth extraction. <i>Bioactive Materials</i> , 2022, 15, 68-81.	15.6	24
4	Applications of Cryogenic Electron Microscopy in Biomineralization Research. <i>Journal of Dental Research</i> , 2022, 101, 505-514.	5.2	10
5	Extracellular DNA: A Missing Link in the Pathogenesis of Ectopic Mineralization. <i>Advanced Science</i> , 2022, 9, e2103693.	11.2	18
6	Autophagic LC3 calcified extracellular vesicles initiate cartilage calcification in osteoarthritis. <i>Science Advances</i> , 2022, 8, eabn1556.	10.3	16
7	Biological and synthetic template-directed syntheses of mineralized hybrid and inorganic materials. <i>Progress in Materials Science</i> , 2021, 116, 100712.	32.8	35
8	Involvement of prenucleation clusters in calcium phosphate mineralization of collagen. <i>Acta Biomaterialia</i> , 2021, 120, 213-223.	8.3	44
9	3D and 4D printing in dentistry and maxillofacial surgery: Printing techniques, materials, and applications. <i>Acta Biomaterialia</i> , 2021, 122, 26-49.	8.3	175
10	Nonspherical Metal-Based Nanoarchitectures: Synthesis and Impact of Size, Shape, and Composition on Their Biological Activity. <i>Small</i> , 2021, 17, e2007073.	10.0	33
11	Matrix stiffening by self-mineralizable guided bone regeneration. <i>Acta Biomaterialia</i> , 2021, 125, 112-125.	8.3	31
12	Recent Advances in Stimulus-Responsive Nanocarriers for Gene Therapy. <i>Advanced Science</i> , 2021, 8, 2100540.	11.2	60
13	Non-spherical nanostructures in nanomedicine: From noble metal nanorods to transition metal dichalcogenide nanosheets. <i>Applied Materials Today</i> , 2021, 24, 101107.	4.3	16
14	Electroconductive multi-functional polypyrrole composites for biomedical applications. <i>Applied Materials Today</i> , 2021, 24, 101117.	4.3	49
15	Upregulation of mitochondrial dynamics is responsible for osteogenic differentiation of mesenchymal stem cells cultured on self-mineralized collagen membranes. <i>Acta Biomaterialia</i> , 2021, 136, 137-146.	8.3	15
16	Endocytosis of abiotic nanomaterials and nanobiovectors: Inhibition of membrane trafficking. <i>Nano Today</i> , 2021, 40, 101279.	11.9	69
17	Polymeric and inorganic nanoscopic antimicrobial fillers in dentistry. <i>Acta Biomaterialia</i> , 2020, 101, 69-101.	8.3	143
18	Metal-Based Nanostructures/PLGA Nanocomposites: Antimicrobial Activity, Cytotoxicity, and Their Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3279-3300.	8.0	121

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19	Enamel remineralization via poly(amido amine) and adhesive resin containing calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2020, 92, 103262.	4.1	27
20	The past, present and future perspectives of matrix metalloproteinase inhibitors. , 2020, 207, 107465.		99
21	Histologic Response of Human Pulp and Periapical Tissues to Tricalcium Silicate-based Materials: A Series of Successfully Treated Cases. <i>Journal of Endodontics</i> , 2020, 46, 307-317.	3.1	26
22	Insights into the January 2020 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2020, 46, 1-2.	3.1	2
23	Considerations and Caveats in Combating ESKAPE Pathogens against Nosocomial Infections. <i>Advanced Science</i> , 2020, 7, 1901872.	11.2	173
24	Insights into the April 2020 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2020, 46, 453-454.	3.1	0
25	Insights into cathepsin-B activity in mature dentin matrix. <i>Archives of Oral Biology</i> , 2020, 117, 104830.	1.8	5
26	Pulp and dentine responses to selective caries excavation: A histological and histobacteriological human study. <i>Journal of Dentistry</i> , 2020, 100, 103430.	4.1	22
27	Micro-computed tomography evaluation of root canal filling quality with apical negative pressure. <i>Journal of Dentistry</i> , 2020, 100, 103431.	4.1	7
28	In vivo and in vitro radiotherapy increased dentin enzymatic activity. <i>Journal of Dentistry</i> , 2020, 100, 103429.	4.1	3
29	Advances in biogenically synthesized shaped metal- and carbon-based nanoarchitectures and their medicinal applications. <i>Advances in Colloid and Interface Science</i> , 2020, 283, 102236.	14.7	46
30	Bioactive low-shrinkage-stress nanocomposite suppresses <i>S. mutans</i> biofilm and preserves tooth dentin hardness. <i>Acta Biomaterialia</i> , 2020, 114, 146-157.	8.3	32
31	Smear Layer Removal Using Passive Ultrasonic Irrigation and Different Concentrations of Sodium Hypochlorite. <i>Journal of Endodontics</i> , 2020, 46, 1738-1744.	3.1	33
32	Insights into the August 2020 Issue of the <i>JOE</i> . <i>Journal of Endodontics</i> , 2020, 46, 1015-1016.	3.1	0
33	In vitro evaluation of composite containing DMAHDM and calcium phosphate nanoparticles on recurrent caries inhibition at bovine enamel-restoration margins. <i>Dental Materials</i> , 2020, 36, 1343-1355.	3.5	23
34	Insights into the September 2020 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2020, 46, 1165-1166.	3.1	0
35	Simultaneous Regeneration of Bone and Nerves Through Materials and Architectural Design: Are We There Yet?. <i>Advanced Functional Materials</i> , 2020, 30, 2003542.	14.9	17
36	Advances in Antimicrobial Organic and Inorganic Nanocompounds in Biomedicine. <i>Advanced Therapeutics</i> , 2020, 3, 2000024.	3.2	82

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37	Isocyanate-terminated urethane-based methacrylate for in situ collagen scaffold modification. <i>Materials Science and Engineering C</i> , 2020, 112, 110902.	7.3	15
38	Insights into the June 2020 Issue of the JOE. <i>Journal of Endodontics</i> , 2020, 46, 705-706.	3.1	0
39	Cytotoxic aquatic pollutants and their removal by nanocomposite-based sorbents. <i>Chemosphere</i> , 2020, 258, 127324.	8.2	59
40	Quaternary ammonium silane, calcium and phosphorus-loaded PLGA submicron particles against <i>Enterococcus faecalis</i> infection of teeth: An in vitro and in vivo study. <i>Materials Science and Engineering C</i> , 2020, 111, 110856.	7.3	10
41	Pathological calcification in osteoarthritis: an outcome or a disease initiator?. <i>Biological Reviews</i> , 2020, 95, 960-985.	10.4	31
42	Novel antibacterial and therapeutic dental polymeric composites with the capability to self-heal cracks and regain mechanical properties. <i>European Polymer Journal</i> , 2020, 129, 109604.	5.4	11
43	Metal-Based Nanomaterials in Biomedical Applications: Antimicrobial Activity and Cytotoxicity Aspects. <i>Advanced Functional Materials</i> , 2020, 30, 1910021.	14.9	404
44	Novel Bioactive and Therapeutic Root Canal Sealers with Antibacterial and Remineralization Properties. <i>Materials</i> , 2020, 13, 1096.	2.9	27
45	Advances in Antimicrobial Microneedle Patches for Combating Infections. <i>Advanced Materials</i> , 2020, 32, e2002129.	21.0	237
46	Biofabricated Nanostructures and Their Composites in Regenerative Medicine. <i>ACS Applied Nano Materials</i> , 2020, 3, 6210-6238.	5.0	43
47	Oropharyngeal Secretion as Alternative for SARS-CoV-2 Detection. <i>Journal of Dental Research</i> , 2020, 99, 1199-1205.	5.2	8
48	Insights into the July 2020 Issue of the Journal of Endodontics. <i>Journal of Endodontics</i> , 2020, 46, 907-908.	3.1	0
49	Eskape Infection Control: Considerations and Caveats in Combating ESKAPE Pathogens against Nosocomial Infections (<i>Adv. Sci.</i> 1/2020). <i>Advanced Science</i> , 2020, 7, 2070004.	11.2	2
50	Insights into the March 2020 Issue of the Journal of Endodontics. <i>Journal of Endodontics</i> , 2020, 46, 343-344.	3.1	0
51	Macrophages enhance mesenchymal stem cell osteogenesis via down-regulation of reactive oxygen species. <i>Journal of Dentistry</i> , 2020, 94, 103297.	4.1	22
52	Insights into the February 2020 Issue of the Journal of Endodontics. <i>Journal of Endodontics</i> , 2020, 46, 147-148.	3.1	0
53	Chlorhexidine preserves the hybrid layer in vitro after 10-years aging. <i>Dental Materials</i> , 2020, 36, 672-680.	3.5	38
54	Microbe-Mediated Extracellular and Intracellular Mineralization: Environmental, Industrial, and Biotechnological Applications. <i>Advanced Materials</i> , 2020, 32, e1907833.	21.0	91

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55	Evaluation of a Collagen-Reactive Monomer with Advanced Bonding Durability. <i>Journal of Dental Research</i> , 2020, 99, 813-819.	5.2	11
56	Insights into the May 2020 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2020, 46, 561-562.	3.1	2
57	Effect of Chitosan as a Cross-Linker on Matrix Metalloproteinase Activity and Bond Stability with Different Adhesive Systems. <i>Marine Drugs</i> , 2020, 18, 263.	4.6	20
58	Novel root canal sealer with dimethylaminohexadecyl methacrylate, nano-silver and nano-calcium phosphate to kill bacteria inside root dentin and increase dentin hardness. <i>Dental Materials</i> , 2019, 35, 1479-1489.	3.5	40
59	A Novel Dental Sealant Containing Dimethylaminohexadecyl Methacrylate Suppresses the Cariogenic Pathogenicity of <i>Streptococcus mutans</i> Biofilms. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3491.	4.1	34
60	Insights into the August 2019 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2019, 45, 963-964.	3.1	0
61	Insights into the July 2019 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2019, 45, 829-830.	3.1	0
62	Improving the wear performance of feldspathic veneering porcelain by ion-exchange strengthening. <i>Journal of Dentistry</i> , 2019, 90, 103210.	4.1	8
63	Clinical/Translational Aspects of Advanced Glycation End-Products. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 959-973.	7.1	51
64	Insights into the December 2019 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2019, 45, 1433-1434.	3.1	0
65	Insights into the September 2019 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2019, 45, 1087-1088.	3.1	0
66	N-Acetyl Cysteine as a Novel Polymethyl Methacrylate Resin Component: Protection against Cell Apoptosis and Genotoxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	4.0	8
67	Advancing antimicrobial strategies for managing oral biofilm infections. <i>International Journal of Oral Science</i> , 2019, 11, 28.	8.6	150
68	Novel nanotechnology and near-infrared photodynamic therapy to kill periodontitis-related biofilm pathogens and protect the periodontium. <i>Dental Materials</i> , 2019, 35, 1665-1681.	3.5	46
69	Insights into the October 2019 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2019, 45, 1173-1174.	3.1	0
70	Surface treatments on titanium implants via nanostructured ceria for antibacterial and anti-inflammatory capabilities. <i>Acta Biomaterialia</i> , 2019, 94, 627-643.	8.3	153
71	Bioactive tri/dicalcium silicate cements for treatment of pulpal and periapical tissues. <i>Acta Biomaterialia</i> , 2019, 96, 35-54.	8.3	82
72	Micro-CT computed Tomographic Evaluation of the Prevalence, Distribution, and Morphologic Features of Accessory Canals in Chinese Permanent Teeth. <i>Journal of Endodontics</i> , 2019, 45, 994-999.	3.1	16

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73	Vital pulp therapy: histopathology and histobacteriology-based guidelines to treat teeth with deep caries and pulp exposure. <i>Journal of Dentistry</i> , 2019, 86, 41-52.	4.1	120
74	Self-healing adhesive with antibacterial activity in water-aging for 12 months. <i>Dental Materials</i> , 2019, 35, 1104-1116.	3.5	26
75	Protection against HEMA-Induced Mitochondrial Injury <i>In Vitro</i> by Nrf2 Activation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	4.0	17
76	Pulpotomy for carious pulp exposures in permanent teeth: A systematic review and meta-analysis. <i>Journal of Dentistry</i> , 2019, 84, 1-8.	4.1	57
77	Effect of benzalkonium chloride on dentin bond strength and endogenous enzymatic activity. <i>Journal of Dentistry</i> , 2019, 85, 25-32.	4.1	25
78	Poly(amido amine) and rechargeable adhesive containing calcium phosphate nanoparticles for long-term dentin remineralization. <i>Journal of Dentistry</i> , 2019, 85, 47-56.	4.1	21
79	Evaluation of several instrumentation techniques and irrigation methods on the percentage of untouched canal wall and accumulated dentine debris in C-shaped canals. <i>International Endodontic Journal</i> , 2019, 52, 1354-1365.	5.0	46
80	Novel bioactive root canal sealer with antibiofilm and remineralization properties. <i>Journal of Dentistry</i> , 2019, 83, 67-76.	4.1	29
81	The effect of food medium on the wear behaviour of veneering porcelain: An in vitro study using the three-body abrasion mode. <i>Journal of Dentistry</i> , 2019, 83, 87-94.	4.1	9
82	MMP-8-Responsive Polyethylene Glycol Hydrogel for Intraoral Drug Delivery. <i>Journal of Dental Research</i> , 2019, 98, 564-571.	5.2	44
83	Contribution of biomimetic collagen-ligand interaction to intrafibrillar mineralization. <i>Science Advances</i> , 2019, 5, eaav9075.	10.3	79
84	Polymer conjugation optimizes EDTA as a calcium-chelating agent that exclusively removes extrafibrillar minerals from mineralized collagen. <i>Acta Biomaterialia</i> , 2019, 90, 424-440.	8.3	24
85	Recent progress in the industrial and biomedical applications of tragacanth gum: A review. <i>Carbohydrate Polymers</i> , 2019, 212, 450-467.	10.2	172
86	A potential therapeutic target for regulating osteoporosis via suppression of osteoclast differentiation. <i>Journal of Dentistry</i> , 2019, 82, 91-97.	4.1	14
87	Carbodiimide inactivation of matrix metalloproteinases in radicular dentine. <i>Journal of Dentistry</i> , 2019, 82, 56-62.	4.1	13
88	Development of a new class of self-healing and therapeutic dental resins. <i>Polymer Degradation and Stability</i> , 2019, 163, 87-99.	5.8	25
89	Management of Large Radicular Lesions Using Decompression: A Case Series and Review of the Literature. <i>Journal of Endodontics</i> , 2019, 45, 651-659.	3.1	12
90	Associations among gastroesophageal reflux disease, mental disorders, sleep and chronic temporomandibular disorder: a case-control study. <i>Cmaj</i> , 2019, 191, E909-E915.	2.0	15

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91	Comparison of the use of d-enantiomeric and l-enantiomeric antimicrobial peptides incorporated in a calcium-chelating irrigant against <i>Enterococcus faecalis</i> root canal wall biofilms. <i>Journal of Dentistry</i> , 2019, 91, 103231.	4.1	12
92	Insights into the November 2019 Issue of the <i>Journal of Endodontics</i> . <i>Journal of Endodontics</i> , 2019, 45, 1277-1278.	3.1	0
93	Antimicrobial gum bio-based nanocomposites and their industrial and biomedical applications. <i>Chemical Communications</i> , 2019, 55, 14871-14885.	4.1	84
94	Bimodal antibacterial system based on quaternary ammonium silane-coupled core-shell hollow mesoporous silica. <i>Acta Biomaterialia</i> , 2019, 85, 229-240.	8.3	31
95	Isocyanate-terminated urethane-based dental adhesive bridges dentinal matrix collagen with adhesive resin. <i>Acta Biomaterialia</i> , 2019, 83, 140-152.	8.3	23
96	Novel Biomedical Applications of Crosslinked Collagen. <i>Trends in Biotechnology</i> , 2019, 37, 464-491.	9.3	192
97	Novel multifunctional nanocomposite for root caries restorations to inhibit periodontitis-related pathogens. <i>Journal of Dentistry</i> , 2019, 81, 17-26.	4.1	23
98	Topical application of phenytoin or nifedipine-loaded PLGA microspheres promotes periodontal regeneration in vivo. <i>Archives of Oral Biology</i> , 2019, 97, 42-51.	1.8	9
99	Chitosan-Based Extrafibrillar Demineralization for Dentin Bonding. <i>Journal of Dental Research</i> , 2019, 98, 186-193.	5.2	48
100	Changes in the radicular pulp-dentine complex in healthy intact teeth and in response to deep caries or restorations: A histological and histobacteriological study. <i>Journal of Dentistry</i> , 2018, 73, 76-90.	4.1	36
101	Intrafibrillar silicified collagen scaffold promotes in-situ bone regeneration by activating the monocyte p38 signaling pathway. <i>Acta Biomaterialia</i> , 2018, 67, 354-365.	8.3	15
102	Zymography of Hybrid Layers Created Using Extrafibrillar Demineralization. <i>Journal of Dental Research</i> , 2018, 97, 409-415.	5.2	16
103	Release of ICTP and CTX telopeptides from demineralized dentin matrices: Effect of time, mass and surface area. <i>Dental Materials</i> , 2018, 34, 452-459.	3.5	13
104	Water-associated attributes in the contemporary dentin bonding milieu. <i>Journal of Dentistry</i> , 2018, 74, 79-89.	4.1	20
105	Antibacterial and remineralizing orthodontic adhesive containing quaternary ammonium resin monomer and amorphous calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2018, 72, 53-63.	4.1	57
106	Antimicrobial efficacy of an apical negative pressure root canal irrigation system against intracanal microorganisms. <i>Journal of Dentistry</i> , 2018, 72, 71-75.	4.1	10
107	Cross-linking effect on dentin bond strength and MMPs activity. <i>Dental Materials</i> , 2018, 34, 288-295.	3.5	51
108	Dentin bonding systems: From dentin collagen structure to bond preservation and clinical applications. <i>Dental Materials</i> , 2018, 34, 78-96.	3.5	281

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109	Mechanism of bioactive molecular extraction from mineralized dentin by calcium hydroxide and tricalcium silicate cement. <i>Dental Materials</i> , 2018, 34, 317-330.	3.5	21
110	Experimental use of an acrolein-based primer as collagen cross-linker for dentine bonding. <i>Journal of Dentistry</i> , 2018, 68, 85-90.	4.1	21
111	Hollow mesoporous zirconia delivery system for biomineralization precursors. <i>Acta Biomaterialia</i> , 2018, 67, 366-377.	8.3	14
112	Biochemical and immunohistochemical identification of MMP-7 in human dentin. <i>Journal of Dentistry</i> , 2018, 79, 90-95.	4.1	9
113	Anti-biofilm efficacy of root canal irrigants against in-situ <i>Enterococcus faecalis</i> biofilms in root canals, isthmuses and dentinal tubules. <i>Journal of Dentistry</i> , 2018, 79, 68-76.	4.1	39
114	Quaternary ammonium silane-based antibacterial and anti-proteolytic cavity cleanser. <i>Dental Materials</i> , 2018, 34, 1814-1827.	3.5	20
115	Protein-repelling adhesive resin containing calcium phosphate nanoparticles with repeated ion-recharge and re-releases. <i>Journal of Dentistry</i> , 2018, 78, 91-99.	4.1	30
116	Biological Activities and Potential Oral Applications of N-Acetylcysteine: Progress and Prospects. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.	4.0	103
117	Effect of simulated intraosseous sinusoidal pressure on NaOCl extrusion. <i>Journal of Dentistry</i> , 2018, 78, 46-50.	4.1	5
118	Contribution of Mitophagy to Cell-Mediated Mineralization: Revisiting a 50-Year-Old Conundrum. <i>Advanced Science</i> , 2018, 5, 1800873.	11.2	65
119	Association between bruxism and symptomatic gastroesophageal reflux disease: A case-control study. <i>Journal of Dentistry</i> , 2018, 77, 51-58.	4.1	22
120	Antibacterial efficacy of an endodontic sonic-powered irrigation system: An in vitro study. <i>Journal of Dentistry</i> , 2018, 75, 105-112.	4.1	33
121	Synergistic mechanism of Ag+Zn ²⁺ in anti-bacterial activity against <i>Enterococcus faecalis</i> and its application against dentin infection. <i>Journal of Nanobiotechnology</i> , 2018, 16, 10.	9.1	45
122	Optimizing resin-dentin bond stability using a bioactive adhesive with concomitant antibacterial properties and anti-proteolytic activities. <i>Acta Biomaterialia</i> , 2018, 75, 171-182.	8.3	39
123	Air Entrapment in Demineralized Dentin Adversely Affects Bonding. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 249-259.	0.5	2
124	Effect of a novel quaternary ammonium silane on dentin protease activities. <i>Journal of Dentistry</i> , 2017, 58, 19-27.	4.1	40
125	Effect of a one-step self-etch adhesive on endogenous dentin matrix metalloproteinases. <i>European Journal of Oral Sciences</i> , 2017, 125, 168-172.	1.5	16
126	Quaternary ammonium-based biomedical materials: State-of-the-art, toxicological aspects and antimicrobial resistance. <i>Progress in Polymer Science</i> , 2017, 71, 53-90.	24.7	423

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127	In vitro Streptococcus mutans biofilm formation on surfaces of chlorhexidine-containing dentin bonding systems. <i>International Journal of Adhesion and Adhesives</i> , 2017, 75, 23-30.	2.9	7
128	The effects of water on degradation of the zirconia-resin bond. <i>Journal of Dentistry</i> , 2017, 64, 23-29.	4.1	37
129	Substantivity of Carbodiimide Inhibition on Dentinal Enzyme Activity over Time. <i>Journal of Dental Research</i> , 2017, 96, 902-908.	5.2	31
130	No-waiting dentine self-etch concept—Merit or hype. <i>Journal of Dentistry</i> , 2017, 62, 54-63.	4.1	26
131	Extrafibrillar collagen demineralization-based chelate-and-rinse technique bridges the gap between wet and dry dentin bonding. <i>Acta Biomaterialia</i> , 2017, 57, 435-448.	8.3	33
132	Effect of Canal Anastomosis on Periapical Fluid Pressure Build-up during Needle Irrigation in Single Roots with Double Canals using a Polycarbonate Model. <i>Scientific Reports</i> , 2017, 7, 1582.	3.3	7
133	Effects of EDC crosslinking on the stiffness of dentin hybrid layers evaluated by nanoDMA over time. <i>Dental Materials</i> , 2017, 33, 904-914.	3.5	13
134	Effect of a novel quaternary ammonium silane cavity disinfectant on durability of resin—dentine bond. <i>Journal of Dentistry</i> , 2017, 60, 77-86.	4.1	33
135	Effect of intraoral mechanical stress application on the expression of a force-responsive prognostic marker associated with system disease progression. <i>Journal of Dentistry</i> , 2017, 57, 57-65.	4.1	2
136	Fatigue resistance of dentin bonds prepared with two- vs. three-step adhesives: Effect of carbodiimide. <i>Dental Materials</i> , 2017, 33, 1340-1350.	3.5	6
137	Chemical affinity of 10-methacryloyloxydecyl dihydrogen phosphate to dental zirconia: Effects of molecular structure and solvents. <i>Dental Materials</i> , 2017, 33, e415-e427.	3.5	25
138	Effects of smear layer removal agents on the physical properties and microstructure of mineral trioxide aggregate cement. <i>Journal of Dentistry</i> , 2017, 66, 32-36.	4.1	11
139	Primum non nocere — The effects of sodium hypochlorite on dentin as used in endodontics. <i>Acta Biomaterialia</i> , 2017, 61, 144-156.	8.3	71
140	Herpes Zoster Involving the Second Division of the Trigeminal Nerve: Case Report and Literature Review. <i>Journal of Endodontics</i> , 2017, 43, 1569-1573.	3.1	16
141	Intrafibrillar silicified collagen scaffold modulates monocyte to promote cell homing, angiogenesis and bone regeneration. <i>Biomaterials</i> , 2017, 113, 203-216.	11.4	109
142	Potential applications of antimicrobial peptides and their mimics in combating caries and pulpal infections. <i>Acta Biomaterialia</i> , 2017, 49, 16-35.	8.3	91
143	Collagen intrafibrillar mineralization as a result of the balance between osmotic equilibrium and electroneutrality. <i>Nature Materials</i> , 2017, 16, 370-378.	27.5	210
144	Effect of high-power-laser with and without graphite coating on bonding of resin cement to lithium disilicate ceramic. <i>Scientific Reports</i> , 2017, 7, 17422.	3.3	9

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145	Susceptibility of contemporary single-bottle self-etch dentine adhesives to intrinsic water permeation. <i>Journal of Dentistry</i> , 2017, 66, 52-61.	4.1	12
146	Biodegradable mesoporous delivery system for biomineralization precursors. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 839-854.	6.7	23
147	Role of Chlorhexidine on Long-term Bond Strength of Self-adhesive Composite Cements to Intraradicular Dentin. <i>Journal of Adhesive Dentistry</i> , 2017, 19, 341-348.	0.5	11
148	Bioinspired Collagen-Apatite Nanocomposites for Bone Regeneration. <i>Journal of Endodontics</i> , 2016, 42, 1226-1232.	3.1	23
149	Activation of β 2A-adrenergic signal transduction in chondrocytes promotes degenerative remodelling of temporomandibular joint. <i>Scientific Reports</i> , 2016, 6, 30085.	3.3	33
150	Can long-term dentine bonding created in real life be forecasted by parameters established in the laboratory?. <i>Scientific Reports</i> , 2016, 6, 37799.	3.3	13
151	Dipentaerythritol penta-acrylate phosphate - an alternative phosphate ester monomer for bonding of methacrylates to zirconia. <i>Scientific Reports</i> , 2016, 6, 39542.	3.3	24
152	Selective demineralisation of dentine extrafibrillar minerals – A potential method to eliminate water-wet bonding in the etch-and-rinse technique. <i>Journal of Dentistry</i> , 2016, 52, 55-62.	4.1	24
153	Mineralogenic characteristics of osteogenic lineage-committed human dental pulp stem cells following their exposure to a discoloration-free calcium aluminosilicate cement. <i>Dental Materials</i> , 2016, 32, 1235-1247.	3.5	11
154	Cross-linked dry bonding: A new etch-and-rinse technique. <i>Dental Materials</i> , 2016, 32, 1124-1132.	3.5	27
155	Complementarity and Uncertainty in Intrafibrillar Mineralization of Collagen. <i>Advanced Functional Materials</i> , 2016, 26, 6858-6875.	14.9	79
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