

# Michael D Weir

## 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.

242  
papers

8,441  
citations

55  
h-index

79  
g-index

251  
ext. papers

10,200  
ext. citations

6.1  
avg, IF

6.37  
L-index

#	Paper	IF	Citations
242	Evaluation of the ability of adhesives with antibacterial and remineralization functions to prevent secondary caries in vivo.. <i>Clinical Oral Investigations</i> , <b>2022</b> , 26, 3637	4.2	0
241	Denture Acrylic Resin Material with Antibacterial and Protein-Repelling Properties for the Prevention of Denture Stomatitis.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	3
240	Novel Rechargeable Nanostructured Calcium Phosphate Crown Cement with Long-Term Ion Release and Antibacterial Activity to Suppress Saliva Microcosm Biofilms.. <i>Journal of Dentistry</i> , <b>2022</b> , 104140	4.8	0
239	Novel dual-functional implants via oxygen non-thermal plasma and quaternary ammonium to promote osteogenesis and combat infections.. <i>Dental Materials</i> , <b>2021</b> ,	5.7	2
238	Novel rechargeable calcium fluoride dental nanocomposites.. <i>Dental Materials</i> , <b>2021</b> , 38, 397-397	5.7	0
237	Magnetic-Responsive Photosensitizer Nanoplatfom for Optimized Inactivation of Dental Caries-Related Biofilms: Technology Development and Proof of Principle. <i>ACS Nano</i> , <b>2021</b> ,	16.7	3
236	Novel nanostructured resin infiltrant containing calcium phosphate nanoparticles to prevent enamel white spot lesions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2021</b> , 126, 104990	4.1	1
235	Novel nanographene oxide-calcium phosphate cement inhibits <i>Enterococcus faecalis</i> biofilm and supports dental pulp stem cells. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2021</b> , 16, 580	2.8	1
234	Remineralization effectiveness of adhesive containing amorphous calcium phosphate nanoparticles on artificial initial enamel caries in a biofilm-challenged environment. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 5375-5390	4.2	5
233	Sustained Antibacterial Effect and Wear Behavior of Quaternary Ammonium Contact-Killing Dental Polymers after One-Year of Hydrolytic Degradation. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3718	2.6	2
232	Bioactive small molecules in calcium phosphate scaffold enhanced osteogenic differentiation of human induced pluripotent stem cells. <i>Dental Materials Journal</i> , <b>2021</b> , 40, 615-624	2.5	2
231	Effect of co-precipitation plus spray-drying of nano-CaF on mechanical and fluoride properties of nanocomposite. <i>Dental Materials</i> , <b>2021</b> , 37, 1009-1019	5.7	4
230	Novel calcium phosphate ion-rechargeable and antibacterial adhesive to inhibit dental caries. <i>Clinical Oral Investigations</i> , <b>2021</b> , 1	4.2	2
229	Magnetic motion of superparamagnetic iron oxide nanoparticles- loaded dental adhesives: physicochemical/biological properties, and dentin bonding performance studied through the tooth pulpal pressure model. <i>Acta Biomaterialia</i> , <b>2021</b> , 134, 337-347	10.8	4
228	An injectable and antibacterial calcium phosphate scaffold inhibiting <i>Staphylococcus aureus</i> and supporting stem cells for bone regeneration. <i>Materials Science and Engineering C</i> , <b>2021</b> , 120, 111688	8.3	7
227	Rechargeable adhesive with calcium phosphate nanoparticles inhibited long-term dentin demineralization in a biofilm-challenged environment. <i>Journal of Dentistry</i> , <b>2021</b> , 104, 103529	4.8	1
226	Antibacterial response of oral microcosm biofilm to nano-zinc oxide in adhesive resin. <i>Dental Materials</i> , <b>2021</b> , 37, e182-e193	5.7	7

225	Ionic Fluoropolyphosphazenes as Potential Adhesive Agents for Dental Restoration Applications. <i>Regenerative Engineering and Translational Medicine</i> , <b>2021</b> , 7, 10-20	2.4	1
224	Anti-caries nanostructured dental adhesive reduces biofilm pathogenicity and raises biofilm pH to protect tooth structures. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 533-546	2.5	0
223	Review on Development and Dental Applications of Polyetheretherketone-Based Biomaterials and Restorations. <i>Materials</i> , <b>2021</b> , 14,	3.5	19
222	Antibacterial calcium phosphate cement with human periodontal ligament stem cell-microbeads to enhance bone regeneration and combat infection. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 15, 232-243	4.4	4
221	Long-term antibacterial activity and cytocompatibility of novel low-shrinkage-stress, remineralizing composites. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2021</b> , 32, 886-905	3.5	1
220	Antibiofilm and Protein-Repellent Polymethylmethacrylate Denture Base Acrylic Resin for Treatment of Denture Stomatitis. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
219	Dentin remineralization in acidic solution without initial calcium phosphate ions via poly(amido amine) and calcium phosphate nanocomposites after fluid challenges. <i>Clinical Oral Investigations</i> , <b>2021</b> , 1	4.2	1
218	A Biphasic Calcium Phosphate Cement Enhances Dentin Regeneration by Dental Pulp Stem Cells and Promotes Macrophages M2 Phenotype. <i>Tissue Engineering - Part A</i> , <b>2021</b> , 27, 1113-1127	3.9	4
217	Novel calcium phosphate cement with biofilm-inhibition and platelet lysate delivery to enhance osteogenesis of encapsulated human periodontal ligament stem cells. <i>Materials Science and Engineering C</i> , <b>2021</b> , 128, 112306	8.3	2
216	Novel Nano Calcium Fluoride Remineralizing and Antibacterial Dental Composites. <i>Journal of Dentistry</i> , <b>2021</b> , 113, 103789	4.8	2
215	Novel dental implant modifications with two-staged double benefits for preventing infection and promoting osseointegration and. <i>Bioactive Materials</i> , <b>2021</b> , 6, 4568-4579	16.7	1
214	Low-shrinkage-stress nanocomposite: An insight into shrinkage stress, antibacterial, and ion release properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2021</b> , 109, 1124-1134	3.5	0
213	An antibacterial and injectable calcium phosphate scaffold delivering human periodontal ligament stem cells for bone tissue engineering.. <i>RSC Advances</i> , <b>2020</b> , 10, 40157-40170	3.7	7
212	Biocompatible Nanocomposite Enhanced Osteogenic and Cementogenic Differentiation of Periodontal Ligament Stem Cells In Vitro for Periodontal Regeneration. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
211	Anti-caries effect of resin infiltrant modified by quaternary ammonium monomers. <i>Journal of Dentistry</i> , <b>2020</b> , 97, 103355	4.8	13
210	Multifunctional antibacterial dental sealants suppress biofilms derived from children at high risk of caries. <i>Biomaterials Science</i> , <b>2020</b> , 8, 3472-3484	7.4	18
209	Novel low-shrinkage-stress nanocomposite with remineralization and antibacterial abilities to protect marginal enamel under biofilm. <i>Journal of Dentistry</i> , <b>2020</b> , 99, 103406	4.8	11
208	Novel pit and fissure sealant containing nano-CaF and dimethylaminohexadecyl methacrylate with double benefits of fluoride release and antibacterial function. <i>Dental Materials</i> , <b>2020</b> , 36, 1241-1253	5.7	19

207	Concentration dependence of quaternary ammonium monomer on the design of high-performance bioactive composite for root caries restorations. <i>Dental Materials</i> , <b>2020</b> , 36, e266-e278	5.7	22
206	Novel antibacterial and therapeutic dental polymeric composites with the capability to self-heal cracks and regain mechanical properties. <i>European Polymer Journal</i> , <b>2020</b> , 129, 109604	5.2	5
205	Novel Bioactive and Therapeutic Root Canal Sealers with Antibacterial and Remineralization Properties. <i>Materials</i> , <b>2020</b> , 13,	3.5	13
204	Tooth sealing formulation with bacteria-killing surface and on-demand ion release/recharge inhibits early childhood caries key pathogens. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2020</b> , 108, 3217-3227	3.5	7
203	S. mutans gene-modification and antibacterial resin composite as dual strategy to suppress biofilm acid production and inhibit caries. <i>Journal of Dentistry</i> , <b>2020</b> , 93, 103278	4.8	11
202	Novel antibacterial calcium phosphate nanocomposite with long-term ion recharge and re-release to inhibit caries. <i>Dental Materials Journal</i> , <b>2020</b> , 39, 678-689	2.5	9
201	Effects of Targeted Delivery of Metformin and Dental Pulp Stem Cells on Osteogenesis via Demineralized Dentin Matrix under High Glucose Conditions. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 2346-2356	5.5	10
200	The Antibacterial Effects of Quaternary Ammonium Salts in the Simulated Presence of Inhibitors in Root Canals: A Preliminary In-Vitro Study. <i>Coatings</i> , <b>2020</b> , 10, 181	2.9	3
199	pH-responsive calcium and phosphate-ion releasing antibacterial sealants on carious enamel lesions in vitro. <i>Journal of Dentistry</i> , <b>2020</b> , 97, 103323	4.8	13
198	How we are assessing the developing antibacterial resin-based dental materials? A scoping review. <i>Journal of Dentistry</i> , <b>2020</b> , 99, 103369	4.8	24
197	Enamel remineralization via poly(amido amine) and adhesive resin containing calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , <b>2020</b> , 92, 103262	4.8	15
196	Effects of S. mutans gene-modification and antibacterial monomer dimethylaminohexadecyl methacrylate on biofilm growth and acid production. <i>Dental Materials</i> , <b>2020</b> , 36, 296-309	5.7	10
195	Stem cells in the periodontal ligament differentiated into osteogenic, fibrogenic and cementogenic lineages for the regeneration of the periodontal complex. <i>Journal of Dentistry</i> , <b>2020</b> , 92, 103259	4.8	20
194	Nanographene oxide-calcium phosphate to inhibit Staphylococcus aureus infection and support stem cells for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2020</b> , 14, 1779-1791	4.4	5
193	Light Energy Dose and Photosensitizer Concentration Are Determinants of Effective Photo-Killing against Caries-Related Biofilms. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
192	Nano-calcium phosphate and dimethylaminohexadecyl methacrylate adhesive for dentin remineralization in a biofilm-challenged environment. <i>Dental Materials</i> , <b>2020</b> , 36, e316-e328	5.7	5
191	Novel CaF Nanocomposites with Antibacterial Function and Fluoride and Calcium Ion Release to Inhibit Oral Biofilm and Protect Teeth. <i>Journal of Functional Biomaterials</i> , <b>2020</b> , 11,	4.8	20
190	Bioactive low-shrinkage-stress nanocomposite suppresses S. mutans biofilm and preserves tooth dentin hardness. <i>Acta Biomaterialia</i> , <b>2020</b> , 114, 146-157	10.8	9

189	Emerging Contact-Killing Antibacterial Strategies for Developing Anti-Biofilm Dental Polymeric Restorative Materials. <i>Bioengineering</i> , <b>2020</b> , 7,	5.3	17
188	In vitro evaluation of composite containing DMAHDM and calcium phosphate nanoparticles on recurrent caries inhibition at bovine enamel-restoration margins. <i>Dental Materials</i> , <b>2020</b> , 36, 1343-1355	5.7	13
187	Pronounced Effect of Antibacterial Bioactive Dental Composite on Microcosm Biofilms Derived From Patients With Root Carious Lesions. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	1
186	Novel Crown Cement Containing Antibacterial Monomer and Calcium Phosphate Nanoparticles. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9
185	Novel Nanocomposite Inhibiting Caries at the Enamel Restoration Margins in an In Vitro Saliva-Derived Biofilm Secondary Caries Model. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
184	Two-staged time-dependent materials for the prevention of implant-related infections. <i>Acta Biomaterialia</i> , <b>2020</b> , 101, 128-140	10.8	20
183	Antibacterial and remineralizing nanocomposite inhibit root caries biofilms and protect root dentin hardness at the margins. <i>Journal of Dentistry</i> , <b>2020</b> , 97, 103344	4.8	11
182	Dentin remineralization via adhesive containing amorphous calcium phosphate nanoparticles in a biofilm-challenged environment. <i>Journal of Dentistry</i> , <b>2019</b> , 89, 103193	4.8	16
181	Novel nanomaterial-based antibacterial photodynamic therapies to combat oral bacterial biofilms and infectious diseases. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 6937-6956	7.3	40
180	Novel nanotechnology and near-infrared photodynamic therapy to kill periodontitis-related biofilm pathogens and protect the periodontium. <i>Dental Materials</i> , <b>2019</b> , 35, 1665-1681	5.7	26
179	Novel endodontic sealer with dual strategies of dimethylaminohexadecyl methacrylate and nanoparticles of silver to inhibit root canal biofilms. <i>Dental Materials</i> , <b>2019</b> , 35, 1117-1129	5.7	18
178	Surface treatments on titanium implants via nanostructured ceria for antibacterial and anti-inflammatory capabilities. <i>Acta Biomaterialia</i> , <b>2019</b> , 94, 627-643	10.8	85
177	Periodontal Bone-Ligament-Cementum Regeneration via Scaffolds and Stem Cells. <i>Cells</i> , <b>2019</b> , 8,	7.9	77
176	Dental remineralization via poly(amido amine) and restorative materials containing calcium phosphate nanoparticles. <i>International Journal of Oral Science</i> , <b>2019</b> , 11, 15	27.9	26
175	Self-healing adhesive with antibacterial activity in water-aging for 12 months. <i>Dental Materials</i> , <b>2019</b> , 35, 1104-1116	5.7	11
174	Calcium phosphate cement scaffold with stem cell co-culture and prevascularization for dental and craniofacial bone tissue engineering. <i>Dental Materials</i> , <b>2019</b> , 35, 1031-1041	5.7	32
173	Nanostructured dental composites and adhesives with antibacterial and remineralizing capabilities for caries inhibition <b>2019</b> , 139-161		3
172	Poly(amido amine) and rechargeable adhesive containing calcium phosphate nanoparticles for long-term dentin remineralization. <i>Journal of Dentistry</i> , <b>2019</b> , 85, 47-56	4.8	14

171	Effects of single species versus multispecies periodontal biofilms on the antibacterial efficacy of a novel bioactive Class-V nanocomposite. <i>Dental Materials</i> , <b>2019</b> , 35, 847-861	5.7	21
170	Novel bioactive root canal sealer with antibiofilm and remineralization properties. <i>Journal of Dentistry</i> , <b>2019</b> , 83, 67-76	4.8	17
169	Iron oxide nanoparticles in liquid or powder form enhanced osteogenesis via stem cells on injectable calcium phosphate scaffold. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 21, 102069	6	7
168	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> , <b>2019</b> , 35, 1479-1489	5.7	21
167	Underperforming light curing procedures trigger detrimental irradiance-dependent biofilm response on incrementally placed dental composites. <i>Journal of Dentistry</i> , <b>2019</b> , 88, 103110	4.8	19
166	A Novel Dental Sealant Containing Dimethylaminohexadecyl Methacrylate Suppresses the Cariogenic Pathogenicity of Biofilms. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	16
165	Iron oxide nanoparticle-calcium phosphate cement enhanced the osteogenic activities of stem cells through WNT/ $\beta$ -catenin signaling. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109955	8.3	24
164	A nano-CaF-containing orthodontic cement with antibacterial and remineralization capabilities to combat enamel white spot lesions. <i>Journal of Dentistry</i> , <b>2019</b> , 89, 103172	4.8	14
163	A novel antibacterial resin-based root canal sealer modified by Dimethylaminododecyl Methacrylate. <i>Scientific Reports</i> , <b>2019</b> , 9, 10632	4.9	6
162	Novel rechargeable nano-CaF orthodontic cement with high levels of long-term fluoride release. <i>Journal of Dentistry</i> , <b>2019</b> , 90, 103214	4.8	4
161	Human periodontal ligament stem cell seeding on calcium phosphate cement scaffold delivering metformin for bone tissue engineering. <i>Journal of Dentistry</i> , <b>2019</b> , 91, 103220	4.8	7
160	Development of a new class of self-healing and therapeutic dental resins. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 163, 87-99	4.7	14
159	Human periodontal ligament stem cells on calcium phosphate scaffold delivering platelet lysate to enhance bone regeneration.. <i>RSC Advances</i> , <b>2019</b> , 9, 41161-41172	3.7	6
158	Effects of gene-modification and antibacterial calcium phosphate nanocomposite on secondary caries and marginal enamel hardness.. <i>RSC Advances</i> , <b>2019</b> , 9, 41672-41683	3.7	4
157	Toward dental caries: Exploring nanoparticle-based platforms and calcium phosphate compounds for dental restorative materials. <i>Bioactive Materials</i> , <b>2019</b> , 4, 43-55	16.7	67
156	Bonding durability, antibacterial activity and biofilm pH of novel adhesive containing antibacterial monomer and nanoparticles of amorphous calcium phosphate. <i>Journal of Dentistry</i> , <b>2019</b> , 81, 91-101	4.8	9
155	Novel magnetic calcium phosphate-stem cell construct with magnetic field enhances osteogenic differentiation and bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2019</b> , 98, 30-41	8.3	39
154	Novel metformin-containing resin promotes odontogenic differentiation and mineral synthesis of dental pulp stem cells. <i>Drug Delivery and Translational Research</i> , <b>2019</b> , 9, 85-96	6.2	9



153	Novel Bioactive and Therapeutic Dental Polymeric Materials to Inhibit Periodontal Pathogens and Biofilms. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	28
152	Novel multifunctional nanocomposite for root caries restorations to inhibit periodontitis-related pathogens. <i>Journal of Dentistry</i> , <b>2019</b> , 81, 17-26	4.8	16
151	Effects of water aging on the mechanical and anti-biofilm properties of glass-ionomer cement containing dimethylaminododecyl methacrylate. <i>Dental Materials</i> , <b>2019</b> , 35, 434-443	5.7	3
150	Novel rechargeable calcium phosphate nanoparticle-filled dental cement. <i>Dental Materials Journal</i> , <b>2019</b> , 38, 1-10	2.5	4
149	Novel dental composite with capability to suppress cariogenic species and promote non-cariogenic species in oral biofilms. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 587-596	8.3	36
148	Drug resistance of oral bacteria to new antibacterial dental monomer dimethylaminohexadecyl methacrylate. <i>Scientific Reports</i> , <b>2018</b> , 8, 5509	4.9	20
147	Nanomagnetic-mediated drug delivery for the treatment of dental disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 919-927	6	18
146	Long-term dentin remineralization by poly(amido amine) and rechargeable calcium phosphate nanocomposite after fluid challenges. <i>Dental Materials</i> , <b>2018</b> , 34, 607-618	5.7	22
145	The anti-caries effects of dental adhesive resin influenced by the position of functional groups in quaternary ammonium monomers. <i>Dental Materials</i> , <b>2018</b> , 34, 400-411	5.7	27
144	Metformin Enhances the Differentiation of Dental Pulp Cells into Odontoblasts by Activating AMPK Signaling. <i>Journal of Endodontics</i> , <b>2018</b> , 44, 576-584	4.7	19
143	Novel rechargeable calcium phosphate nanocomposite with antibacterial activity to suppress biofilm acids and dental caries. <i>Journal of Dentistry</i> , <b>2018</b> , 72, 44-52	4.8	48
142	Antibacterial and remineralizing orthodontic adhesive containing quaternary ammonium resin monomer and amorphous calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , <b>2018</b> , 72, 53-63	4.8	30
141	Bone regeneration in minipigs via calcium phosphate cement scaffold delivering autologous bone marrow mesenchymal stem cells and platelet-rich plasma. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, e937-e948	4.4	20
140	Gold nanoparticles in injectable calcium phosphate cement enhance osteogenic differentiation of human dental pulp stem cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 35-45	6	40
139	Effects of water-aging for 6 months on the durability of a novel antimicrobial and protein-repellent dental bonding agent. <i>International Journal of Oral Science</i> , <b>2018</b> , 10, 18	27.9	8
138	Control of Biofilm at the Tooth-Restoration Bonding Interface: A Question for Antibacterial Monomers? A Critical Review <b>2018</b> , 287-305		1
137	Nanostructured Polymeric Materials with Protein-Repellent and Anti-Caries Properties for Dental Applications. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	24
136	Novel self-etching and antibacterial orthodontic adhesive containing dimethylaminohexadecyl methacrylate to inhibit enamel demineralization. <i>Dental Materials Journal</i> , <b>2018</b> , 37, 555-561	2.5	1

135	Novel self-etch adhesive with antibacterial and protein-repellent functions to prevent enamel demineralization. <i>Dental Materials Journal</i> , <b>2018</b> , 37, 904-911	2.5	3
134	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , <b>2018</b> , 183, 151-170	15.6	117
133	Evaluation of Novel Anticaries Adhesive in a Secondary Caries Animal Model. <i>Caries Research</i> , <b>2018</b> , 52, 14-21	4.2	13
132	Poly (amido amine) dendrimer and dental adhesive with calcium phosphate nanoparticles remineralized dentin in lactic acid. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 2414-2424	3.5	19
131	Human In Situ Study of the effect of Bis(2-Methacryloyloxyethyl) Dimethylammonium Bromide Immobilized in Dental Composite on Controlling Mature Cariogenic Biofilm. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	14
130	Novel Calcium Phosphate Cement with Metformin-Loaded Chitosan for Odontogenic Differentiation of Human Dental Pulp Cells. <i>Stem Cells International</i> , <b>2018</b> , 2018, 7173481	5	14
129	Developing a New Generation of Therapeutic Dental Polymers to Inhibit Oral Biofilms and Protect Teeth. <i>Materials</i> , <b>2018</b> , 11,	3.5	10
128	Protein-repellent nanocomposite with rechargeable calcium and phosphate for long-term ion release. <i>Dental Materials</i> , <b>2018</b> , 34, 1735-1747	5.7	18
127	Protein-repellent and antibacterial effects of a novel polymethyl methacrylate resin. <i>Journal of Dentistry</i> , <b>2018</b> , 79, 39-45	4.8	15
126	Advanced smart biomaterials and constructs for hard tissue engineering and regeneration. <i>Bone Research</i> , <b>2018</b> , 6, 31	13.3	135
125	Tuning Nano-Amorphous Calcium Phosphate Content in Novel Rechargeable Antibacterial Dental Sealant. <i>Materials</i> , <b>2018</b> , 11,	3.5	23
124	Protein-repelling adhesive resin containing calcium phosphate nanoparticles with repeated ion-recharge and re-releases. <i>Journal of Dentistry</i> , <b>2018</b> , 78, 91-99	4.8	22
123	A Modified Resin Sealer: Physical and Antibacterial Properties. <i>Journal of Endodontics</i> , <b>2018</b> , 44, 1553-1557	4.7	19
122	Novel dental adhesive resin with crack self-healing, antimicrobial and remineralization properties. <i>Journal of Dentistry</i> , <b>2018</b> , 75, 48-57	4.8	21
121	Novel magnetic nanoparticle-containing adhesive with greater dentin bond strength and antibacterial and remineralizing capabilities. <i>Dental Materials</i> , <b>2018</b> , 34, 1310-1322	5.7	19
120	Ph-activated nano-amorphous calcium phosphate-based cement to reduce dental enamel demineralization. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2017</b> , 45, 1778-1785	6.1	10
119	Poly(amido amine) and calcium phosphate nanocomposite remineralization of dentin in acidic solution without calcium phosphate ions. <i>Dental Materials</i> , <b>2017</b> , 33, 818-829	5.7	17
118	Novel multifunctional dental cement to prevent enamel demineralization near orthodontic brackets. <i>Journal of Dentistry</i> , <b>2017</b> , 64, 58-67	4.8	17



117	Antibacterial Polymers for Dental Adhesives and Composites <b>2017</b> , 299-330		1
116	Novel multifunctional dental bonding agent for Class-V restorations to inhibit periodontal biofilms. <i>RSC Advances</i> , <b>2017</b> , 7, 29004-29014	3.7	17
115	Novel dental adhesive with triple benefits of calcium phosphate recharge, protein-repellent and antibacterial functions. <i>Dental Materials</i> , <b>2017</b> , 33, 553-563	5.7	28
114	Engineering bone regeneration with novel cell-laden hydrogel microfiber-injectable calcium phosphate scaffold. <i>Materials Science and Engineering C</i> , <b>2017</b> , 75, 895-905	8.3	22
113	Formation of persisters in <i>Streptococcus mutans</i> biofilms induced by antibacterial dental monomer. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2017</b> , 28, 178	4.5	15
112	Alcohol Inhibits Odontogenic Differentiation of Human Dental Pulp Cells by Activating mTOR Signaling. <i>Stem Cells International</i> , <b>2017</b> , 2017, 8717454	5	8
111	Dental Composite Formulation Design with Bioactivity on Protein Adsorption Combined with Crack-Healing Capability. <i>Journal of Functional Biomaterials</i> , <b>2017</b> , 8,	4.8	6
110	Novel orthodontic cement containing dimethylaminohexadecyl methacrylate with strong antibacterial capability. <i>Dental Materials Journal</i> , <b>2017</b> , 36, 669-676	2.5	4
109	Novel self-healing dental luting cements with microcapsules for indirect restorations. <i>Journal of Dentistry</i> , <b>2017</b> , 66, 76-82	4.8	10
108	Bioactive Dental Composites and Bonding Agents Having Remineralizing and Antibacterial Characteristics. <i>Dental Clinics of North America</i> , <b>2017</b> , 61, 669-687	3.3	13
107	Effect of calcium phosphate nanocomposite on in vitro remineralization of human dentin lesions. <i>Dental Materials</i> , <b>2017</b> , 33, 1033-1044	5.7	55
106	Do quaternary ammonium monomers induce drug resistance in cariogenic, endodontic and periodontal bacterial species?. <i>Dental Materials</i> , <b>2017</b> , 33, 1127-1138	5.7	37
105	Poly (amido amine) and nano-calcium phosphate bonding agent to remineralize tooth dentin in cyclic artificial saliva/lactic acid. <i>Materials Science and Engineering C</i> , <b>2017</b> , 72, 7-17	8.3	28
104	Novel rechargeable calcium phosphate nanoparticle-containing orthodontic cement. <i>International Journal of Oral Science</i> , <b>2017</b> , 9, 24-32	27.9	16
103	Calcium phosphate cements for bone engineering and their biological properties. <i>Bone Research</i> , <b>2017</b> , 5, 17056	13.3	155
102	Anti-Caries Effects of Dental Adhesives Containing Quaternary Ammonium Methacrylates with Different Chain Lengths. <i>Materials</i> , <b>2017</b> , 10,	3.5	24
101	Novel Dental Adhesive with Biofilm-Regulating and Remineralization Capabilities. <i>Materials</i> , <b>2017</b> , 10,	3.5	21
100	Combining Bioactive Multifunctional Dental Composite with PAMAM for Root Dentin Remineralization. <i>Materials</i> , <b>2017</b> , 10,	3.5	16

99	Heat-Polymerized Resin Containing Dimethylaminododecyl Methacrylate Inhibits Candida albicans Biofilm. <i>Materials</i> , <b>2017</b> , 10,	3.5	14
98	Current Insights into the Modulation of Oral Bacterial Degradation of Dental Polymeric Restorative Materials. <i>Materials</i> , <b>2017</b> , 10,	3.5	15
97	Anti-Bacteria and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. <i>Molecules</i> , <b>2017</b> , 22,	4.8	14
96	Effects of Long-Term Water-Aging on Novel Anti-Biofilm and Protein-Repellent Dental Composite. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	26
95	Injectable calcium phosphate with hydrogel fibers encapsulating induced pluripotent, dental pulp and bone marrow stem cells for bone repair. <i>Materials Science and Engineering C</i> , <b>2016</b> , 69, 1125-36	8.3	36
94	Rechargeable calcium phosphate orthodontic cement with sustained ion release and re-release. <i>Scientific Reports</i> , <b>2016</b> , 6, 36476	4.9	12
93	Hydrogel fibers encapsulating human stem cells in an injectable calcium phosphate scaffold for bone tissue engineering. <i>Biomedical Materials (Bristol)</i> , <b>2016</b> , 11, 065008	3.5	16
92	Primer containing dimethylaminododecyl methacrylate kills bacteria impregnated in human dentin blocks. <i>International Journal of Oral Science</i> , <b>2016</b> , 8, 239-245	27.9	9
91	Protein-repellent and antibacterial functions of a calcium phosphate rechargeable nanocomposite. <i>Journal of Dentistry</i> , <b>2016</b> , 52, 15-22	4.8	36
90	One-year water-ageing of calcium phosphate composite containing nano-silver and quaternary ammonium to inhibit biofilms. <i>International Journal of Oral Science</i> , <b>2016</b> , 8, 172-81	27.9	57
89	Effect of anti-biofilm glass-ionomer cement on Streptococcus mutans biofilms. <i>International Journal of Oral Science</i> , <b>2016</b> , 8, 76-83	27.9	47
88	Effects of water-aging on self-healing dental composite containing microcapsules. <i>Journal of Dentistry</i> , <b>2016</b> , 47, 86-93	4.8	26
87	Novel rechargeable calcium phosphate dental nanocomposite. <i>Dental Materials</i> , <b>2016</b> , 32, 285-93	5.7	82
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85	A self-setting iPSMSC-alginate-calcium phosphate paste for bone tissue engineering. <i>Dental Materials</i> , <b>2016</b> , 32, 252-63	5.7	55
84	Effects of quaternary ammonium chain length on the antibacterial and remineralizing effects of a calcium phosphate nanocomposite. <i>International Journal of Oral Science</i> , <b>2016</b> , 8, 45-53	27.9	59
83	Do Dental Resin Composites Accumulate More Oral Biofilms and Plaque than Amalgam and Glass Ionomer Materials?. <i>Materials</i> , <b>2016</b> , 9,	3.5	23
82	Effect of Antimicrobial Denture Base Resin on Multi-Species Biofilm Formation. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	23

81	Novel Cavity Disinfectants Containing Quaternary Ammonium Monomer Dimethylaminododecyl Methacrylate. <i>Materials</i> , <b>2016</b> , 9,	3.5	11
80	A protein-repellent and antibacterial nanocomposite for Class-V restorations to inhibit periodontitis-related pathogens. <i>Materials Science and Engineering C</i> , <b>2016</b> , 67, 702-710	8.3	45
79	Designing Multiagent Dental Materials for Enhanced Resistance to Biofilm Damage at the Bonded Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11779-87	9.5	50
78	Orthodontic cement with protein-repellent and antibacterial properties and the release of calcium and phosphate ions. <i>Journal of Dentistry</i> , <b>2016</b> , 50, 51-9	4.8	33
77	Effect of bioactive dental adhesive on periodontal and endodontic pathogens. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 168	4.5	16
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74	Novel bioactive nanocomposite for Class-V restorations to inhibit periodontitis-related pathogens. <i>Dental Materials</i> , <b>2016</b> , 32, e351-e361	5.7	29
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72	Inhibition of matrix metalloproteinase activity in human dentin via novel antibacterial monomer. <i>Dental Materials</i> , <b>2015</b> , 31, 284-92	5.7	35
71	Bone tissue engineering via human induced pluripotent, umbilical cord and bone marrow mesenchymal stem cells in rat cranium. <i>Acta Biomaterialia</i> , <b>2015</b> , 18, 236-48	10.8	93
70	Nanotechnology strategies for antibacterial and remineralizing composites and adhesives to tackle dental caries. <i>Nanomedicine</i> , <b>2015</b> , 10, 627-41	5.6	101
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