

Hockin H K Xu

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.

282 papers	10,505 citations	58 h-index	87 g-index
291 ext. papers	12,582 ext. citations	6.3 avg, IF	6.59 L-index

#	Paper	IF	Citations
282	Evaluation of the ability of adhesives with antibacterial and remineralization functions to prevent secondary caries in vivo.. <i>Clinical Oral Investigations</i> , 2022 , 26, 3637	4.2	0
281	Denture Acrylic Resin Material with Antibacterial and Protein-Repelling Properties for the Prevention of Denture Stomatitis.. <i>Polymers</i> , 2022 , 14,	4.5	3
280	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> , 2022 , 104140	4.8	0
279	Novel Giomers Incorporated with Antibacterial Quaternary Ammonium Monomers to Inhibit Secondary Caries. <i>Pathogens</i> , 2022 , 11, 578	4.5	1
278	Novel dual-functional implants via oxygen non-thermal plasma and quaternary ammonium to promote osteogenesis and combat infections.. <i>Dental Materials</i> , 2021 ,	5.7	2
277	Novel rechargeable calcium fluoride dental nanocomposites.. <i>Dental Materials</i> , 2021 , 38, 397-397	5.7	0
276	Magnetic-Responsive Photosensitizer Nanoplatfrom for Optimized Inactivation of Dental Caries-Related Biofilms: Technology Development and Proof of Principle. <i>ACS Nano</i> , 2021 ,	16.7	3
275	Novel nanostructured resin infiltrant containing calcium phosphate nanoparticles to prevent enamel white spot lesions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 126, 104990	4.1	1
274	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> , 2021 , 16, 580	2.8	1
273	Inhibition of CCL2 by bindarit alleviates diabetes-associated periodontitis by suppressing inflammatory monocyte infiltration and altering macrophage properties. <i>Cellular and Molecular Immunology</i> , 2021 , 18, 2224-2235	15.4	3
272	Sustained delivery of growth factors and alendronate using partially demineralized dentin matrix for endogenous periodontal regeneration. <i>Applied Materials Today</i> , 2021 , 22, 100922	6.6	2
271	Remineralization effectiveness of adhesive containing amorphous calcium phosphate nanoparticles on artificial initial enamel caries in a biofilm-challenged environment. <i>Clinical Oral Investigations</i> , 2021 , 25, 5375-5390	4.2	5
270	Sustained Antibacterial Effect and Wear Behavior of Quaternary Ammonium Contact-Killing Dental Polymers after One-Year of Hydrolytic Degradation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3718	2.6	2
269	Bioactive small molecules in calcium phosphate scaffold enhanced osteogenic differentiation of human induced pluripotent stem cells. <i>Dental Materials Journal</i> , 2021 , 40, 615-624	2.5	2
268	Effect of co-precipitation plus spray-drying of nano-CaF on mechanical and fluoride properties of nanocomposite. <i>Dental Materials</i> , 2021 , 37, 1009-1019	5.7	4
267	Effect of Antibacterial Root Canal Sealer on Persistent Apical Periodontitis. <i>Antibiotics</i> , 2021 , 10,	4.9	3
266	Novel calcium phosphate ion-rechargeable and antibacterial adhesive to inhibit dental caries. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2	2

265	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> , 2021 , 134, 337-347	10.8	4
264	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> , 2021 , 120, 111688	8.3	7
263	Rechargeable adhesive with calcium phosphate nanoparticles inhibited long-term dentin demineralization in a biofilm-challenged environment. <i>Journal of Dentistry</i> , 2021 , 104, 103529	4.8	1
262	Antibacterial response of oral microcosm biofilm to nano-zinc oxide in adhesive resin. <i>Dental Materials</i> , 2021 , 37, e182-e193	5.7	7
261	Starvation Survival and Biofilm Formation under Subminimum Inhibitory Concentration of QAMs. <i>BioMed Research International</i> , 2021 , 2021, 8461245	3	2
260	Anti-carries nanostructured dental adhesive reduces biofilm pathogenicity and raises biofilm pH to protect tooth structures. <i>Journal of Materials Research</i> , 2021 , 36, 533-546	2.5	0
259	Review on Development and Dental Applications of Polyetheretherketone-Based Biomaterials and Restorations. <i>Materials</i> , 2021 , 14,	3.5	19
258	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> , 2021 , 15, 232-243	4.4	4
257	Long-term antibacterial activity and cytocompatibility of novel low-shrinkage-stress, remineralizing composites. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 886-905	3.5	1
256	Enhanced proliferation and angiogenic phenotype of endothelial cells via negatively-charged alginate and chondroitin sulfate microsphere hydrogels. <i>Biomedical Materials (Bristol)</i> , 2021 , 16, 025012	3.5	2
255	Antibiofilm and Protein-Repellent Polymethylmethacrylate Denture Base Acrylic Resin for Treatment of Denture Stomatitis. <i>Materials</i> , 2021 , 14,	3.5	4
254	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> , 2021 , 1	4.2	1
253	A Biphasic Calcium Phosphate Cement Enhances Dentin Regeneration by Dental Pulp Stem Cells and Promotes Macrophages M2 Phenotype. <i>Tissue Engineering - Part A</i> , 2021 , 27, 1113-1127	3.9	4
252	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> , 2021 , 128, 112306	8.3	2
251	Intelligent pH-responsive dental sealants to prevent long-term microleakage. <i>Dental Materials</i> , 2021 , 37, 1529-1541	5.7	0
250	Novel Nano Calcium Fluoride Remineralizing and Antibacterial Dental Composites. <i>Journal of Dentistry</i> , 2021 , 113, 103789	4.8	2
249	Novel dental implant modifications with two-staged double benefits for preventing infection and promoting osseointegration and. <i>Bioactive Materials</i> , 2021 , 6, 4568-4579	16.7	1
248	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> , 2021 , 109, 1124-1134	3.5	0

247	An antibacterial and injectable calcium phosphate scaffold delivering human periodontal ligament stem cells for bone tissue engineering.. <i>RSC Advances</i> , 2020 , 10, 40157-40170	3.7	7
246	Biocompatible Nanocomposite Enhanced Osteogenic and Cementogenic Differentiation of Periodontal Ligament Stem Cells In Vitro for Periodontal Regeneration. <i>Materials</i> , 2020 , 13,	3.5	3
245	Anti-caries effect of resin infiltrant modified by quaternary ammonium monomers. <i>Journal of Dentistry</i> , 2020 , 97, 103355	4.8	13
244	Multifunctional antibacterial dental sealants suppress biofilms derived from children at high risk of caries. <i>Biomaterials Science</i> , 2020 , 8, 3472-3484	7.4	18
243	Novel low-shrinkage-stress nanocomposite with remineralization and antibacterial abilities to protect marginal enamel under biofilm. <i>Journal of Dentistry</i> , 2020 , 99, 103406	4.8	11
242	Novel pit and fissure sealant containing nano-CaF and dimethylaminohexadecyl methacrylate with double benefits of fluoride release and antibacterial function. <i>Dental Materials</i> , 2020 , 36, 1241-1253	5.7	19
241	Concentration dependence of quaternary ammonium monomer on the design of high-performance bioactive composite for root caries restorations. <i>Dental Materials</i> , 2020 , 36, e266-e278	5.7	22
240	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	5.2	5
239	Novel Bioactive and Therapeutic Root Canal Sealers with Antibacterial and Remineralization Properties. <i>Materials</i> , 2020 , 13,	3.5	13
238	Dimethylaminododecyl methacrylate inhibits <i>Candida albicans</i> and oropharyngeal candidiasis in a pH-dependent manner. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 3585-3595	5.7	5
237	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> , 2020 , 108, 3217-3227	3.5	7
236	Effects of novel non-thermal atmospheric plasma treatment of titanium on physical and biological improvements and in vivo osseointegration in rats. <i>Scientific Reports</i> , 2020 , 10, 10637	4.9	5
235	Cutting-edge filler technologies to release bio-active components for restorative and preventive dentistry. <i>Dental Materials Journal</i> , 2020 , 39, 69-79	2.5	19
234	<i>S. mutans</i> gene-modification and antibacterial resin composite as dual strategy to suppress biofilm acid production and inhibit caries. <i>Journal of Dentistry</i> , 2020 , 93, 103278	4.8	11
233	Novel antibacterial calcium phosphate nanocomposite with long-term ion recharge and re-release to inhibit caries. <i>Dental Materials Journal</i> , 2020 , 39, 678-689	2.5	9
232	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> , 2020 , 6, 2346-2356	5.5	10
231	Antibacterial, pH Neutralizing, and Remineralizing Fillers in Polymeric Restorative Materials 2020 , 199-223		
230	pH-responsive calcium and phosphate-ion releasing antibacterial sealants on carious enamel lesions in vitro. <i>Journal of Dentistry</i> , 2020 , 97, 103323	4.8	13

229	How we are assessing the developing antibacterial resin-based dental materials? A scoping review. <i>Journal of Dentistry</i> , 2020 , 99, 103369	4.8	24
228	Enamel remineralization via poly(amido amine) and adhesive resin containing calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2020 , 92, 103262	4.8	15
227	Effects of <i>S. mutans</i> gene-modification and antibacterial monomer dimethylaminohexadecyl methacrylate on biofilm growth and acid production. <i>Dental Materials</i> , 2020 , 36, 296-309	5.7	10
226	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> , 2020 , 92, 103259	4.8	20
225	Remineralization effectiveness of the PAMAM dendrimer with different terminal groups on artificial initial enamel caries in vitro. <i>Dental Materials</i> , 2020 , 36, 210-220	5.7	12
224	Nanographene oxide-calcium phosphate to inhibit <i>Staphylococcus aureus</i> infection and support stem cells for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 1779-1791	4.4	5
223	Light Energy Dose and Photosensitizer Concentration Are Determinants of Effective Photo-Killing against Caries-Related Biofilms. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
222	Nano-calcium phosphate and dimethylaminohexadecyl methacrylate adhesive for dentin remineralization in a biofilm-challenged environment. <i>Dental Materials</i> , 2020 , 36, e316-e328	5.7	5
221	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> , 2020 , 11,	4.8	20
220	Bioactive low-shrinkage-stress nanocomposite suppresses <i>S. mutans</i> biofilm and preserves tooth dentin hardness. <i>Acta Biomaterialia</i> , 2020 , 114, 146-157	10.8	9
219	Emerging Contact-Killing Antibacterial Strategies for Developing Anti-Biofilm Dental Polymeric Restorative Materials. <i>Bioengineering</i> , 2020 , 7,	5.3	17
218	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	5.7	13
217	Novel Crown Cement Containing Antibacterial Monomer and Calcium Phosphate Nanoparticles. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
216	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> , 2020 , 21,	6.3	6
215	Two-staged time-dependent materials for the prevention of implant-related infections. <i>Acta Biomaterialia</i> , 2020 , 101, 128-140	10.8	20
214	Antibacterial and remineralizing nanocomposite inhibit root caries biofilms and protect root dentin hardness at the margins. <i>Journal of Dentistry</i> , 2020 , 97, 103344	4.8	11
213	Dentin remineralization via adhesive containing amorphous calcium phosphate nanoparticles in a biofilm-challenged environment. <i>Journal of Dentistry</i> , 2019 , 89, 103193	4.8	16
212	Novel nanomaterial-based antibacterial photodynamic therapies to combat oral bacterial biofilms and infectious diseases. <i>International Journal of Nanomedicine</i> , 2019 , 14, 6937-6956	7.3	40

211	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	5.7	26
210	Novel endodontic sealer with dual strategies of dimethylaminohexadecyl methacrylate and nanoparticles of silver to inhibit root canal biofilms. <i>Dental Materials</i> , 2019 , 35, 1117-1129	5.7	18
209	Surface treatments on titanium implants via nanostructured ceria for antibacterial and anti-inflammatory capabilities. <i>Acta Biomaterialia</i> , 2019 , 94, 627-643	10.8	85
208	Periodontal Bone-Ligament-Cementum Regeneration via Scaffolds and Stem Cells. <i>Cells</i> , 2019 , 8,	7.9	77
207	Dental remineralization via poly(amido amine) and restorative materials containing calcium phosphate nanoparticles. <i>International Journal of Oral Science</i> , 2019 , 11, 15	27.9	26
206	Self-healing adhesive with antibacterial activity in water-aging for 12 months. <i>Dental Materials</i> , 2019 , 35, 1104-1116	5.7	11
205	Calcium phosphate cement scaffold with stem cell co-culture and prevascularization for dental and craniofacial bone tissue engineering. <i>Dental Materials</i> , 2019 , 35, 1031-1041	5.7	32
204	Effects of 3-dimensional Bioprinting Alginate/Gelatin Hydrogel Scaffold Extract on Proliferation and Differentiation of Human Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2019 , 45, 706-715	4.7	38
203	Poly(amido amine) and rechargeable adhesive containing calcium phosphate nanoparticles for long-term dentin remineralization. <i>Journal of Dentistry</i> , 2019 , 85, 47-56	4.8	14
202	Nano-Structured Demineralized Human Dentin Matrix to Enhance Bone and Dental Repair and Regeneration. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1013	2.6	12
201	Effects of single species versus multispecies periodontal biofilms on the antibacterial efficacy of a novel bioactive Class-V nanocomposite. <i>Dental Materials</i> , 2019 , 35, 847-861	5.7	21
200	Novel bioactive root canal sealer with antibiofilm and remineralization properties. <i>Journal of Dentistry</i> , 2019 , 83, 67-76	4.8	17
199	Short-Time Antibacterial Effects of Dimethylaminododecyl Methacrylate on Oral Multispecies Biofilm In Vitro. <i>BioMed Research International</i> , 2019 , 2019, 6393470	3	9
198	Resumptive Persisters Induced From Dimethylaminododecyl Methacrylate Elevated the Cariogenic Virulence by Up-Regulating the Quorum-Sensing and VicRK Pathway Genes. <i>Frontiers in Microbiology</i> , 2019 , 10, 3102	5.7	4
197	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> , 2019 , 21, 102069	6	7
196	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	5.7	21
195	A Novel Dental Sealant Containing Dimethylaminohexadecyl Methacrylate Suppresses the Cariogenic Pathogenicity of Biofilms. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
194	Novel Protein-Repellent and Antibacterial Resins and Cements to Inhibit Lesions and Protect Teeth. <i>International Journal of Polymer Science</i> , 2019 , 2019, 1-11	2.4	5

193	Iron oxide nanoparticle-calcium phosphate cement enhanced the osteogenic activities of stem cells through WNT/ β -catenin signaling. <i>Materials Science and Engineering C</i> , 2019 , 104, 109955	8.3	24
192	A nano-CaF-containing orthodontic cement with antibacterial and remineralization capabilities to combat enamel white spot lesions. <i>Journal of Dentistry</i> , 2019 , 89, 103172	4.8	14
191	Novel nanoparticles of cerium-doped zeolitic imidazolate frameworks with dual benefits of antibacterial and anti-inflammatory functions against periodontitis. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 6955-6971	7.3	31
190	Novel rechargeable nano-CaF orthodontic cement with high levels of long-term fluoride release. <i>Journal of Dentistry</i> , 2019 , 90, 103214	4.8	4
189	Human periodontal ligament stem cell seeding on calcium phosphate cement scaffold delivering metformin for bone tissue engineering. <i>Journal of Dentistry</i> , 2019 , 91, 103220	4.8	7
188	Development of a new class of self-healing and therapeutic dental resins. <i>Polymer Degradation and Stability</i> , 2019 , 163, 87-99	4.7	14
187	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	4.8	7
186	Human periodontal ligament stem cells on calcium phosphate scaffold delivering platelet lysate to enhance bone regeneration.. <i>RSC Advances</i> , 2019 , 9, 41161-41172	3.7	6
185	Effects of gene-modification and antibacterial calcium phosphate nanocomposite on secondary caries and marginal enamel hardness.. <i>RSC Advances</i> , 2019 , 9, 41672-41683	3.7	4
184	Toward dental caries: Exploring nanoparticle-based platforms and calcium phosphate compounds for dental restorative materials. <i>Bioactive Materials</i> , 2019 , 4, 43-55	16.7	67
183	Nanoparticles having amphiphilic silane containing Chlorin e6 with strong anti-biofilm activity against periodontitis-related pathogens. <i>Journal of Dentistry</i> , 2019 , 81, 70-84	4.8	26
182	Bonding durability, antibacterial activity and biofilm pH of novel adhesive containing antibacterial monomer and nanoparticles of amorphous calcium phosphate. <i>Journal of Dentistry</i> , 2019 , 81, 91-101	4.8	9
181	Novel magnetic calcium phosphate-stem cell construct with magnetic field enhances osteogenic differentiation and bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019 , 98, 30-41	8.3	39
180	Novel metformin-containing resin promotes odontogenic differentiation and mineral synthesis of dental pulp stem cells. <i>Drug Delivery and Translational Research</i> , 2019 , 9, 85-96	6.2	9
179	Novel Bioactive and Therapeutic Dental Polymeric Materials to Inhibit Periodontal Pathogens and Biofilms. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	28
178	Novel multifunctional nanocomposite for root caries restorations to inhibit periodontitis-related pathogens. <i>Journal of Dentistry</i> , 2019 , 81, 17-26	4.8	16
177	Effects of water aging on the mechanical and anti-biofilm properties of glass-ionomer cement containing dimethylaminododecyl methacrylate. <i>Dental Materials</i> , 2019 , 35, 434-443	5.7	3
176	Novel dental composite with capability to suppress cariogenic species and promote non-cariogenic species in oral biofilms. <i>Materials Science and Engineering C</i> , 2019 , 94, 587-596	8.3	36

175	Drug resistance of oral bacteria to new antibacterial dental monomer dimethylaminohexadecyl methacrylate. <i>Scientific Reports</i> , 2018 , 8, 5509	4.9	20
174	Nanomagnetic-mediated drug delivery for the treatment of dental disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 919-927	6	18
173	Long-term dentin remineralization by poly(amido amine) and rechargeable calcium phosphate nanocomposite after fluid challenges. <i>Dental Materials</i> , 2018 , 34, 607-618	5.7	22
172	Injectable calcium phosphate scaffold with iron oxide nanoparticles to enhance osteogenesis via dental pulp stem cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 423-433	6.1	38
171	The anti-carries effects of dental adhesive resin influenced by the position of functional groups in quaternary ammonium monomers. <i>Dental Materials</i> , 2018 , 34, 400-411	5.7	27
170	Enhanced bone regeneration and visual monitoring via superparamagnetic iron oxide nanoparticle scaffold in rats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e2085-e2098	4.4	42
169	Metformin Enhances the Differentiation of Dental Pulp Cells into Odontoblasts by Activating AMPK Signaling. <i>Journal of Endodontics</i> , 2018 , 44, 576-584	4.7	19
168	Novel rechargeable calcium phosphate nanocomposite with antibacterial activity to suppress biofilm acids and dental caries. <i>Journal of Dentistry</i> , 2018 , 72, 44-52	4.8	48
167	Antibacterial and remineralizing orthodontic adhesive containing quaternary ammonium resin monomer and amorphous calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2018 , 72, 53-63	4.8	30
166	Functional organic cation transporters mediate osteogenic response to metformin in human umbilical cord mesenchymal stromal cells. <i>Cytotherapy</i> , 2018 , 20, 650-659	4.8	11
165	Metformin induces osteoblastic differentiation of human induced pluripotent stem cell-derived mesenchymal stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 437-446	4.4	61
164	Angiogenic and osteogenic regeneration in rats via calcium phosphate scaffold and endothelial cell co-culture with human bone marrow mesenchymal stem cells (MSCs), human umbilical cord MSCs, human induced pluripotent stem cell-derived MSCs and human embryonic stem cell-derived MSCs. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 161-170	4.4	43
163	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> , 2018 , 12, e937-e948	4.4	20
162	Gold nanoparticles in injectable calcium phosphate cement enhance osteogenic differentiation of human dental pulp stem cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 35-45	6	40
161	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> , 2018 , 10, 18	27.9	8
160	Control of Biofilm at the Tooth-Restoration Bonding Interface: A Question for Antibacterial Monomers? A Critical Review 2018 , 287-305		1
159	Nanostructured Polymeric Materials with Protein-Repellent and Anti-Caries Properties for Dental Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	24
158	Novel self-etching and antibacterial orthodontic adhesive containing dimethylaminohexadecyl methacrylate to inhibit enamel demineralization. <i>Dental Materials Journal</i> , 2018 , 37, 555-561	2.5	1

157	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , 2018 , 183, 151-170	15.6	117
156	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> , 2018 , 106, 2414-2424	3.5	19
155	Effect of Electrospun Fibrous Scaffolds with Different Fiber Orientations on the Alignment of Microvessel-Like Structures. <i>Journal of Medical and Biological Engineering</i> , 2018 , 38, 106-115	2.2	1
154	NF-KappaB Pathway Is Involved in Bone Marrow Stromal Cell-Produced Pain Relief. <i>Frontiers in Integrative Neuroscience</i> , 2018 , 12, 49	3.2	9
153	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> , 2018 , 19,	6.3	14
152	Novel Calcium Phosphate Cement with Metformin-Loaded Chitosan for Odontogenic Differentiation of Human Dental Pulp Cells. <i>Stem Cells International</i> , 2018 , 2018, 7173481	5	14
151	Developing a New Generation of Therapeutic Dental Polymers to Inhibit Oral Biofilms and Protect Teeth. <i>Materials</i> , 2018 , 11,	3.5	10
150	Protein-repellent nanocomposite with rechargeable calcium and phosphate for long-term ion release. <i>Dental Materials</i> , 2018 , 34, 1735-1747	5.7	18
149	Protein-repellent and antibacterial effects of a novel polymethyl methacrylate resin. <i>Journal of Dentistry</i> , 2018 , 79, 39-45	4.8	15
148	Tuning Nano-Amorphous Calcium Phosphate Content in Novel Rechargeable Antibacterial Dental Sealant. <i>Materials</i> , 2018 , 11,	3.5	23
147	Protein-repelling adhesive resin containing calcium phosphate nanoparticles with repeated ion-recharge and re-releases. <i>Journal of Dentistry</i> , 2018 , 78, 91-99	4.8	22
146	A Modified Resin Sealer: Physical and Antibacterial Properties. <i>Journal of Endodontics</i> , 2018 , 44, 1553-1557	4.7	19
145	Novel dental adhesive resin with crack self-healing, antimicrobial and remineralization properties. <i>Journal of Dentistry</i> , 2018 , 75, 48-57	4.8	21
144	Antibacterial Efficacy and Discoloration Potential of Endodontic Topical Antibiotics. <i>Journal of Endodontics</i> , 2018 , 44, 1110-1114	4.7	16
143	Novel magnetic nanoparticle-containing adhesive with greater dentin bond strength and antibacterial and remineralizing capabilities. <i>Dental Materials</i> , 2018 , 34, 1310-1322	5.7	19
142	Fatigue of human dentin by cyclic loading and during oral biofilm challenge. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 1978-1985	3.5	8
141	Novel bioactive root canal sealer to inhibit endodontic multispecies biofilms with remineralizing calcium phosphate ions. <i>Journal of Dentistry</i> , 2017 , 60, 25-35	4.8	28
140	Co-Seeding Human Endothelial Cells with Human-Induced Pluripotent Stem Cell-Derived Mesenchymal Stem Cells on Calcium Phosphate Scaffold Enhances Osteogenesis and Vascularization in Rats. <i>Tissue Engineering - Part A</i> , 2017 , 23, 546-555	3.9	51

139	Ph-activated nano-amorphous calcium phosphate-based cement to reduce dental enamel demineralization. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1778-1785	6.1	10
138	Poly(amido amine) and calcium phosphate nanocomposite remineralization of dentin in acidic solution without calcium phosphate ions. <i>Dental Materials</i> , 2017 , 33, 818-829	5.7	17
137	Novel multifunctional dental cement to prevent enamel demineralization near orthodontic brackets. <i>Journal of Dentistry</i> , 2017 , 64, 58-67	4.8	17
136	Antibacterial Polymers for Dental Adhesives and Composites 2017 , 299-330		1
135	Novel hiPSC-based tri-culture for pre-vascularization of calcium phosphate scaffold to enhance bone and vessel formation. <i>Materials Science and Engineering C</i> , 2017 , 79, 296-304	8.3	27
134	Novel multifunctional dental bonding agent for Class-V restorations to inhibit periodontal biofilms. <i>RSC Advances</i> , 2017 , 7, 29004-29014	3.7	17
133	Novel dental adhesive with triple benefits of calcium phosphate recharge, protein-repellent and antibacterial functions. <i>Dental Materials</i> , 2017 , 33, 553-563	5.7	28
132	Engineering bone regeneration with novel cell-laden hydrogel microfiber-injectable calcium phosphate scaffold. <i>Materials Science and Engineering C</i> , 2017 , 75, 895-905	8.3	22
131	Alcohol Inhibits Odontogenic Differentiation of Human Dental Pulp Cells by Activating mTOR Signaling. <i>Stem Cells International</i> , 2017 , 2017, 8717454	5	8
130	Dental Composite Formulation Design with Bioactivity on Protein Adsorption Combined with Crack-Healing Capability. <i>Journal of Functional Biomaterials</i> , 2017 , 8,	4.8	6
129	Decreased Expression of Semaphorin3A/Neuropilin-1 Signaling Axis in Apical Periodontitis. <i>BioMed Research International</i> , 2017 , 2017, 8724503	3	11
128	Novel orthodontic cement containing dimethylaminohexadecyl methacrylate with strong antibacterial capability. <i>Dental Materials Journal</i> , 2017 , 36, 669-676	2.5	4
127	Novel self-healing dental luting cements with microcapsules for indirect restorations. <i>Journal of Dentistry</i> , 2017 , 66, 76-82	4.8	10
126	In vivo immune interactions of multipotent stromal cells underlie their long-lasting pain-relieving effect. <i>Scientific Reports</i> , 2017 , 7, 10107	4.9	21
125	Bioactive Dental Composites and Bonding Agents Having Remineralizing and Antibacterial Characteristics. <i>Dental Clinics of North America</i> , 2017 , 61, 669-687	3.3	13
124	Effect of calcium phosphate nanocomposite on in vitro remineralization of human dentin lesions. <i>Dental Materials</i> , 2017 , 33, 1033-1044	5.7	55
123	Do quaternary ammonium monomers induce drug resistance in cariogenic, endodontic and periodontal bacterial species?. <i>Dental Materials</i> , 2017 , 33, 1127-1138	5.7	37
122	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> , 2017 , 72, 7-17	8.3	28

121	Novel rechargeable calcium phosphate nanoparticle-containing orthodontic cement. <i>International Journal of Oral Science</i> , 2017 , 9, 24-32	27.9	16
120	The remineralization effectiveness of PAMAM dendrimer with different terminal groups on demineralized dentin in vitro. <i>RSC Advances</i> , 2017 , 7, 54947-54955	3.7	18
119	Calcium phosphate cements for bone engineering and their biological properties. <i>Bone Research</i> , 2017 , 5, 17056	13.3	155
118	Anti-Caries Effects of Dental Adhesives Containing Quaternary Ammonium Methacrylates with Different Chain Lengths. <i>Materials</i> , 2017 , 10,	3.5	24
117	Novel Dental Adhesive with Biofilm-Regulating and Remineralization Capabilities. <i>Materials</i> , 2017 , 10,	3.5	21
116	Combining Bioactive Multifunctional Dental Composite with PAMAM for Root Dentin Remineralization. <i>Materials</i> , 2017 , 10,	3.5	16
115	Heat-Polymerized Resin Containing Dimethylaminododecyl Methacrylate Inhibits Candida albicans Biofilm. <i>Materials</i> , 2017 , 10,	3.5	14
114	Current Insights into the Modulation of Oral Bacterial Degradation of Dental Polymeric Restorative Materials. <i>Materials</i> , 2017 , 10,	3.5	15
113	Anti-Bacteria and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. <i>Molecules</i> , 2017 , 22,	4.8	14
112	Effects of Long-Term Water-Aging on Novel Anti-Biofilm and Protein-Repellent Dental Composite. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	26
111	Quaternary ammonium-induced multidrug tolerant Streptococcus mutans persists elevate cariogenic virulence in vitro. <i>International Journal of Oral Science</i> , 2017 , 9, e7	27.9	13
110	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> , 2016 , 69, 1125-36	8.3	36
109	Rechargeable calcium phosphate orthodontic cement with sustained ion release and re-release. <i>Scientific Reports</i> , 2016 , 6, 36476	4.9	12
108	Primer containing dimethylaminododecyl methacrylate kills bacteria impregnated in human dentin blocks. <i>International Journal of Oral Science</i> , 2016 , 8, 239-245	27.9	9
107	Osteoprotegerin gene-modified BMSCs with hydroxyapatite scaffold for treating critical-sized mandibular defects in ovariectomized osteoporotic rats. <i>Acta Biomaterialia</i> , 2016 , 42, 378-388	10.8	47
106	Protein-repellent and antibacterial functions of a calcium phosphate rechargeable nanocomposite. <i>Journal of Dentistry</i> , 2016 , 52, 15-22	4.8	36
105	One-year water-ageing of calcium phosphate composite containing nano-silver and quaternary ammonium to inhibit biofilms. <i>International Journal of Oral Science</i> , 2016 , 8, 172-81	27.9	57
104	Effect of anti-biofilm glass-ionomer cement on Streptococcus mutans biofilms. <i>International Journal of Oral Science</i> , 2016 , 8, 76-83	27.9	47

103	Effects of water-aging on self-healing dental composite containing microcapsules. <i>Journal of Dentistry</i> , 2016 , 47, 86-93	4.8	26
102	Novel rechargeable calcium phosphate dental nanocomposite. <i>Dental Materials</i> , 2016 , 32, 285-93	5.7	82
101	Novel self-healing dental resin with microcapsules of polymerizable triethylene glycol dimethacrylate and N,N-dihydroxyethyl-p-toluidine. <i>Dental Materials</i> , 2016 , 32, 294-304	5.7	33
100	A self-setting iPSMSC-alginate-calcium phosphate paste for bone tissue engineering. <i>Dental Materials</i> , 2016 , 32, 252-63	5.7	55
99	Effects of quaternary ammonium chain length on the antibacterial and remineralizing effects of a calcium phosphate nanocomposite. <i>International Journal of Oral Science</i> , 2016 , 8, 45-53	27.9	59
98	Do Dental Resin Composites Accumulate More Oral Biofilms and Plaque than Amalgam and Glass Ionomer Materials?. <i>Materials</i> , 2016 , 9,	3.5	23
97	Effect of Antimicrobial Denture Base Resin on Multi-Species Biofilm Formation. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	23
96	Novel Dental Cement to Combat Biofilms and Reduce Acids for Orthodontic Applications to Avoid Enamel Demineralization. <i>Materials</i> , 2016 , 9,	3.5	17
95	Novel Cavity Disinfectants Containing Quaternary Ammonium Monomer Dimethylaminododecyl Methacrylate. <i>Materials</i> , 2016 , 9,	3.5	11
94	Novel protein-repellent and biofilm-repellent orthodontic cement containing 2-methacryloyloxyethyl phosphorylcholine. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 949-59	3.5	19
93	A protein-repellent and antibacterial nanocomposite for Class-V restorations to inhibit periodontitis-related pathogens. <i>Materials Science and Engineering C</i> , 2016 , 67, 702-710	8.3	45
92	Orthodontic cement with protein-repellent and antibacterial properties and the release of calcium and phosphate ions. <i>Journal of Dentistry</i> , 2016 , 50, 51-9	4.8	33
91	Dentin remineralization in acid challenge environment via PAMAM and calcium phosphate composite. <i>Dental Materials</i> , 2016 , 32, 1429-1440	5.7	39
90	Novel bioactive nanocomposite for Class-V restorations to inhibit periodontitis-related pathogens. <i>Dental Materials</i> , 2016 , 32, e351-e361	5.7	29
89	Three-dimensional biofilm properties on dental bonding agent with varying quaternary ammonium charge densities. <i>Journal of Dentistry</i> , 2016 , 53, 73-81	4.8	22
88	Inhibition of matrix metalloproteinase activity in human dentin via novel antibacterial monomer. <i>Dental Materials</i> , 2015 , 31, 284-92	5.7	35
87	Bone tissue engineering via human induced pluripotent, umbilical cord and bone marrow mesenchymal stem cells in rat cranium. <i>Acta Biomaterialia</i> , 2015 , 18, 236-48	10.8	93
86	Nanotechnology strategies for antibacterial and remineralizing composites and adhesives to tackle dental caries. <i>Nanomedicine</i> , 2015 , 10, 627-41	5.6	101

85	A novel protein-repellent dental composite containing 2-methacryloyloxyethyl phosphorylcholine. <i>International Journal of Oral Science</i> , 2015 , 7, 103-9	27.9	45
84	Rechargeable dental adhesive with calcium phosphate nanoparticles for long-term ion release. <i>Journal of Dentistry</i> , 2015 , 43, 1587-95	4.8	58
83	Development of a multifunctional adhesive system for prevention of root caries and secondary caries. <i>Dental Materials</i> , 2015 , 31, 1119-31	5.7	57
82	In situ antibiofilm effect of glass-ionomer cement containing dimethylaminododecyl methacrylate. <i>Dental Materials</i> , 2015 , 31, 992-1002	5.7	17
81	Antibacterial and protein-repellent orthodontic cement to combat biofilms and white spot lesions. <i>Journal of Dentistry</i> , 2015 , 43, 1529-38	4.8	29
80	Effect of dimethylaminohexadecyl methacrylate mass fraction on fracture toughness and antibacterial properties of CaP nanocomposite. <i>Journal of Dentistry</i> , 2015 , 43, 1539-46	4.8	31
79	The Use of Quaternary Ammonium to Combat Dental Caries. <i>Materials</i> , 2015 , 8, 3532-3549	3.5	39
78	Development of novel dental adhesive with double benefits of protein-repellent and antibacterial capabilities. <i>Dental Materials</i> , 2015 , 31, 845-54	5.7	46
77	Development of novel self-healing and antibacterial dental composite containing calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2015 , 43, 317-26	4.8	71
76	Protein-repellent and antibacterial dental composite to inhibit biofilms and caries. <i>Journal of Dentistry</i> , 2015 , 43, 225-34	4.8	61
75	Therapeutic polymers for dental adhesives: loading resins with bio-active components. <i>Dental Materials</i> , 2014 , 30, 97-104	5.7	108
74	Human induced pluripotent stem cell-derived mesenchymal stem cell seeding on calcium phosphate scaffold for bone regeneration. <i>Tissue Engineering - Part A</i> , 2014 , 20, 1295-305	3.9	83
73	Effect of salivary pellicle on antibacterial activity of novel antibacterial dental adhesives using a dental plaque microcosm biofilm model. <i>Dental Materials</i> , 2014 , 30, 182-91	5.7	84
72	Effect of NELL1 gene overexpression in iPSC-MSCs seeded on calcium phosphate cement. <i>Acta Biomaterialia</i> , 2014 , 10, 5128-5138	10.8	23
71	Evaluation of three-dimensional biofilms on antibacterial bonding agents containing novel quaternary ammonium methacrylates. <i>International Journal of Oral Science</i> , 2014 , 6, 77-86	27.9	57
70	Novel protein-repellent dental adhesive containing 2-methacryloyloxyethyl phosphorylcholine. <i>Journal of Dentistry</i> , 2014 , 42, 1284-91	4.8	33
69	Novel antibacterial orthodontic cement containing quaternary ammonium monomer dimethylaminododecyl methacrylate. <i>Journal of Dentistry</i> , 2014 , 42, 1193-201	4.8	42
68	Antibacterial activity and ion release of bonding agent containing amorphous calcium phosphate nanoparticles. <i>Dental Materials</i> , 2014 , 30, 891-901	5.7	87

67	Evaluation of antibacterial and remineralizing nanocomposite and adhesive in rat tooth cavity model. <i>Acta Biomaterialia</i> , 2014 , 10, 2804-13	10.8	61
66	Porous chitosan bilayer membrane containing TGF- β loaded microspheres for pulp capping and reparative dentin formation in a dog model. <i>Dental Materials</i> , 2014 , 30, 172-81	5.7	49
65	Bone regeneration via novel macroporous CPC scaffolds in critical-sized cranial defects in rats. <i>Dental Materials</i> , 2014 , 30, e199-207	5.7	40
64	Human embryonic stem cells and macroporous calcium phosphate construct for bone regeneration in cranial defects in rats. <i>Acta Biomaterialia</i> , 2014 , 10, 4484-93	10.8	41
63	Prevascularization of biofunctional calcium phosphate cement for dental and craniofacial repairs. <i>Dental Materials</i> , 2014 , 30, 535-44	5.7	44
62	Bone tissue engineering via nanostructured calcium phosphate biomaterials and stem cells. <i>Bone Research</i> , 2014 , 2, 14017	13.3	232
61	Antibacterial effect of dental adhesive containing dimethylaminododecyl methacrylate on the development of <i>Streptococcus mutans</i> biofilm. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 12791-806	6.3	46
60	Effect of charge density of bonding agent containing a new quaternary ammonium methacrylate on antibacterial and bonding properties. <i>Dental Materials</i> , 2014 , 30, 433-41	5.7	81
59	Nanotechnology-based restorative materials for dental caries management. <i>Trends in Biotechnology</i> , 2013 , 31, 459-67	15.1	148
58	Effects of dual antibacterial agents MDPB and nano-silver in primer on microcosm biofilm, cytotoxicity and dentine bond properties. <i>Journal of Dentistry</i> , 2013 , 41, 464-74	4.8	115
57	Comparison of quaternary ammonium-containing with nano-silver-containing adhesive in antibacterial properties and cytotoxicity. <i>Dental Materials</i> , 2013 , 29, 450-61	5.7	115
56	Time-kill behaviour against eight bacterial species and cytotoxicity of antibacterial monomers. <i>Journal of Dentistry</i> , 2013 , 41, 881-91	4.8	51
55	Human embryonic stem cell-derived mesenchymal stem cell seeding on calcium phosphate cement-chitosan-RGD scaffold for bone repair. <i>Tissue Engineering - Part A</i> , 2013 , 19, 915-27	3.9	56
54	Novel calcium phosphate nanocomposite with caries-inhibition in a human in situ model. <i>Dental Materials</i> , 2013 , 29, 231-40	5.7	118
53	Accelerated fatigue of dentin with exposure to lactic acid. <i>Biomaterials</i> , 2013 , 34, 8650-8659	15.6	26
52	Reprogramming of mesenchymal stem cells derived from iPSCs seeded on biofunctionalized calcium phosphate scaffold for bone engineering. <i>Biomaterials</i> , 2013 , 34, 7862-72	15.6	84
51	Effect of water-ageing on dentine bond strength and anti-biofilm activity of bonding agent containing new monomer dimethylaminododecyl methacrylate. <i>Journal of Dentistry</i> , 2013 , 41, 504-13	4.8	83
50	Umbilical cord and bone marrow mesenchymal stem cell seeding on macroporous calcium phosphate for bone regeneration in rat cranial defects. <i>Biomaterials</i> , 2013 , 34, 9917-25	15.6	115

49	Dental primer and adhesive containing a new antibacterial quaternary ammonium monomer dimethylaminododecyl methacrylate. <i>Journal of Dentistry</i> , 2013 , 41, 345-55	4.8	115
48	Dental plaque microcosm response to bonding agents containing quaternary ammonium methacrylates with different chain lengths and charge densities. <i>Journal of Dentistry</i> , 2013 , 41, 1122-31	4.8	74
47	Effects of antibacterial primers with quaternary ammonium and nano-silver on Streptococcus mutans impregnated in human dentin blocks. <i>Dental Materials</i> , 2013 , 29, 462-72	5.7	86
46	Non-rigid calcium phosphate cement containing hydrogel microbeads and absorbable fibres seeded with umbilical cord stem cells for bone engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013 , 7, 777-87	4.4	9
45	Dual antibacterial agents of nano-silver and 12-methacryloyloxydodecylpyridinium bromide in dental adhesive to inhibit caries. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013 , 101, 929-38	3.5	71
44	Novel dental adhesive containing antibacterial agents and calcium phosphate nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013 , 101, 620-9	3.5	96
43	Synthesis of new antibacterial quaternary ammonium monomer for incorporation into CaP nanocomposite. <i>Dental Materials</i> , 2013 , 29, 859-70	5.7	93
42	Novel dental adhesives containing nanoparticles of silver and amorphous calcium phosphate. <i>Dental Materials</i> , 2013 , 29, 199-210	5.7	143
41	Induced pluripotent stem cell-derived mesenchymal stem cell seeding on biofunctionalized calcium phosphate cements. <i>Bone Research</i> , 2013 , 4, 371-384	13.3	41
40	Antibacterial amorphous calcium phosphate nanocomposites with a quaternary ammonium dimethacrylate and silver nanoparticles. <i>Dental Materials</i> , 2012 , 28, 561-72	5.7	238
39	Antibacterial and physical properties of calcium-phosphate and calcium-fluoride nanocomposites with chlorhexidine. <i>Dental Materials</i> , 2012 , 28, 573-83	5.7	117
38	Nanocomposite containing CaF(2) nanoparticles: thermal cycling, wear and long-term water-aging. <i>Dental Materials</i> , 2012 , 28, 642-52	5.7	56
37	Gas-foaming calcium phosphate cement scaffold encapsulating human umbilical cord stem cells. <i>Tissue Engineering - Part A</i> , 2012 , 18, 816-27	3.9	55
36	Biofunctionalized calcium phosphate cement to enhance the attachment and osteodifferentiation of stem cells released from fast-degradable alginate-fibrin microbeads. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1583-95	3.9	28
35	Dental plaque microcosm biofilm behavior on calcium phosphate nanocomposite with quaternary ammonium. <i>Dental Materials</i> , 2012 , 28, 853-62	5.7	61
34	Effect of quaternary ammonium and silver nanoparticle-containing adhesives on dentin bond strength and dental plaque microcosm biofilms. <i>Dental Materials</i> , 2012 , 28, 842-52	5.7	118
33	Calcium phosphate cement with biofunctional agents and stem cell seeding for dental and craniofacial bone repair. <i>Dental Materials</i> , 2012 , 28, 1059-70	5.7	40
32	Fast-degradable microbeads encapsulating human umbilical cord stem cells in alginate for muscle tissue engineering. <i>Tissue Engineering - Part A</i> , 2012 , 18, 2303-14	3.9	25

31	Long-term mechanical durability of dental nanocomposites containing amorphous calcium phosphate nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 1264-73	3.5	44
30	Umbilical cord stem cells released from alginate-fibrin microbeads inside macroporous and biofunctionalized calcium phosphate cement for bone regeneration. <i>Acta Biomaterialia</i> , 2012 , 8, 2297-306	10.8	59
29	Osteogenic media and rhBMP-2-induced differentiation of umbilical cord mesenchymal stem cells encapsulated in alginate microbeads and integrated in an injectable calcium phosphate-chitosan fibrous scaffold. <i>Tissue Engineering - Part A</i> , 2011 , 17, 969-79	3.9	36
28	Nanocomposite containing amorphous calcium phosphate nanoparticles for caries inhibition. <i>Dental Materials</i> , 2011 , 27, 762-9	5.7	215
27	The fast release of stem cells from alginate-fibrin microbeads in injectable scaffolds for bone tissue engineering. <i>Biomaterials</i> , 2011 , 32, 7503-13	15.6	168
26	Mechanical and acid neutralizing properties and bacteria inhibition of amorphous calcium phosphate dental nanocomposite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 98, 80-8	3.5	131
25	Umbilical cord stem cell seeding on fast-resorbable calcium phosphate bone cement. <i>Tissue Engineering - Part A</i> , 2010 , 16, 2743-53	3.9	30
24	Dental glass-reinforced composite for caries inhibition: calcium phosphate ion release and mechanical properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 92, 332-40	3.5	9
23	Fluoride releasing restorative materials: Effects of pH on mechanical properties and ion release. <i>Dental Materials</i> , 2010 , 26, e227-35	5.7	45
22	Osteoblastic induction on calcium phosphate cement-chitosan constructs for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 223-33	5.4	74
21	Culture human mesenchymal stem cells with calcium phosphate cement scaffolds for bone repair. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 93, 93-105	3.5	21
20	Human umbilical cord stem cell encapsulation in calcium phosphate scaffolds for bone engineering. <i>Biomaterials</i> , 2010 , 31, 3848-57	15.6	87
19	Human bone marrow stem cell-encapsulating calcium phosphate scaffolds for bone repair. <i>Acta Biomaterialia</i> , 2010 , 6, 4118-26	10.8	76
18	An injectable calcium phosphate-alginate hydrogel-umbilical cord mesenchymal stem cell paste for bone tissue engineering. <i>Biomaterials</i> , 2010 , 31, 6502-10	15.6	249
17	Calcium and phosphate ion releasing composite: effect of pH on release and mechanical properties. <i>Dental Materials</i> , 2009 , 25, 535-42	5.7	71
16	Effect of filler level and particle size on dental caries-inhibiting Ca-PO(4) composite. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 1771-9	4.5	21
15	Injectable and strong nano-apatite scaffolds for cell/growth factor delivery and bone regeneration. <i>Dental Materials</i> , 2008 , 24, 1212-22	5.7	106
14	Strength and fluoride release characteristics of a calcium fluoride based dental nanocomposite. <i>Biomaterials</i> , 2008 , 29, 4261-7	15.6	101

13	Injectable calcium phosphate cement: effects of powder-to-liquid ratio and needle size. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 84, 493-502	3.5	67
12	Fast setting calcium phosphate cement-chitosan composite: mechanical properties and dissolution rates. <i>Journal of Biomaterials Applications</i> , 2007 , 21, 299-315	2.9	43
11	Injectable and macroporous calcium phosphate cement scaffold. <i>Biomaterials</i> , 2006 , 27, 4279-87	15.6	181
10	Strong calcium phosphate cement-chitosan-mesh construct containing cell-encapsulating hydrogel beads for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 77, 487-96	5.4	61
9	Fast setting calcium phosphate-chitosan scaffold: mechanical properties and biocompatibility. <i>Biomaterials</i> , 2005 , 26, 1337-48	15.6	237
8	Synergistic reinforcement of in situ hardening calcium phosphate composite scaffold for bone tissue engineering. <i>Biomaterials</i> , 2004 , 25, 1029-37	15.6	127
7	Fast-setting calcium phosphate scaffolds with tailored macropore formation rates for bone regeneration. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 68, 725-34		111
6	Strong and macroporous calcium phosphate cement: Effects of porosity and fiber reinforcement on mechanical properties. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 57, 457-66		135
5	Approaches to meta analysis in genetic disorders. <i>Clinical and Experimental Allergy</i> , 1998 , 28 Suppl 1, 106-7; discussion 108-10	4.1	2
4	Genetics of complex human diseases: genome screening, association studies and fine mapping. <i>Clinical and Experimental Allergy</i> , 1998 , 28 Suppl 5, 1-5; discussion 26-8	4.1	11
3	Effect of Temperature on Toughness Curves in Alumina. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 260-262	3.8	13
2	Effect of Grain Size on Scratch Interactions and Material Removal in Alumina. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 881-891	3.8	72
1	Simple Technique for Observing Subsurface Damage in Machining of Ceramics. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1388-1390	3.8	84