

Hockin H K Xu

List of Publications by Year in descending order

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289
papers

14,471
citations

14655

66
h-index

32842

100
g-index

291
all docs

291
docs citations

291
times ranked

10038
citing authors

#	ARTICLE	IF	CITATIONS
1	An injectable calcium phosphate-alginate hydrogel-umbilical cord mesenchymal stem cell paste for bone tissue engineering. <i>Biomaterials</i> , 2010, 31, 6502-6510.	11.4	294
2	Antibacterial amorphous calcium phosphate nanocomposites with a quaternary ammonium dimethacrylate and silver nanoparticles. <i>Dental Materials</i> , 2012, 28, 561-572.	3.5	286
3	Calcium phosphate cements for bone engineering and their biological properties. <i>Bone Research</i> , 2017, 5, 17056.	11.4	277
4	Bone tissue engineering via nanostructured calcium phosphate biomaterials and stem cells. <i>Bone Research</i> , 2014, 2, 14017.	11.4	274
5	Fast setting calcium phosphate-chitosan scaffold: mechanical properties and biocompatibility. <i>Biomaterials</i> , 2005, 26, 1337-1348.	11.4	262
6	Nanocomposite containing amorphous calcium phosphate nanoparticles for caries inhibition. <i>Dental Materials</i> , 2011, 27, 762-769.	3.5	260
7	Injectable and macroporous calcium phosphate cement scaffold. <i>Biomaterials</i> , 2006, 27, 4279-4287.	11.4	199
8	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. <i>Biomaterials</i> , 2018, 183, 151-170.	11.4	198
9	Nanotechnology-based restorative materials for dental caries management. <i>Trends in Biotechnology</i> , 2013, 31, 459-467.	9.3	195
10	Novel dental adhesives containing nanoparticles of silver and amorphous calcium phosphate. <i>Dental Materials</i> , 2013, 29, 199-210.	3.5	192
11	The fast release of stem cells from alginate-fibrin microbeads in injectable scaffolds for bone tissue engineering. <i>Biomaterials</i> , 2011, 32, 7503-7513.	11.4	185
12	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, 98B, 80-88.	3.4	155
13	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
14	Comparison of quaternary ammonium-containing with nano-silver-containing adhesive in antibacterial properties and cytotoxicity. <i>Dental Materials</i> , 2013, 29, 450-461.	3.5	151
15	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, 457-466.	3.1	145
16	Synergistic reinforcement of in situ hardening calcium phosphate composite scaffold for bone tissue engineering. <i>Biomaterials</i> , 2004, 25, 1029-1037.	11.4	144
17	Periodontal Bone-Ligament-Cementum Regeneration via Scaffolds and Stem Cells. <i>Cells</i> , 2019, 8, 537.	4.1	144
18	Effect of quaternary ammonium and silver nanoparticle-containing adhesives on dentin bond strength and dental plaque microcosm biofilms. <i>Dental Materials</i> , 2012, 28, 842-852.	3.5	142

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19	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, 464-474.	4.1	138
20	Dental primer and adhesive containing a new antibacterial quaternary ammonium monomer dimethylaminododecyl methacrylate. <i>Journal of Dentistry</i> , 2013, 41, 345-355.	4.1	138
21	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, 9917-9925.	11.4	137
22	Antibacterial and physical properties of calcium phosphate and calcium fluoride nanocomposites with chlorhexidine. <i>Dental Materials</i> , 2012, 28, 573-583.	3.5	136
23	Nanotechnology strategies for antibacterial and remineralizing composites and adhesives to tackle dental caries. <i>Nanomedicine</i> , 2015, 10, 627-641.	3.3	134
24	Novel calcium phosphate nanocomposite with caries-inhibition in a human in situ model. <i>Dental Materials</i> , 2013, 29, 231-240.	3.5	131
25	Therapeutic polymers for dental adhesives: Loading resins with bio-active components. <i>Dental Materials</i> , 2014, 30, 97-104.	3.5	131
26	Novel dental adhesive containing antibacterial agents and calcium phosphate nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 620-629.	3.4	127
27	Strength and fluoride release characteristics of a calcium fluoride based dental nanocomposite. <i>Biomaterials</i> , 2008, 29, 4261-4267.	11.4	124
28	Fast-setting calcium phosphate scaffolds with tailored macropore formation rates for bone regeneration. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 68A, 725-734.	3.1	122
29	Injectable and strong nano-apatite scaffolds for cell/growth factor delivery and bone regeneration. <i>Dental Materials</i> , 2008, 24, 1212-1222.	3.5	117
30	Bone tissue engineering via human induced pluripotent, umbilical cord and bone marrow mesenchymal stem cells in rat cranium. <i>Acta Biomaterialia</i> , 2015, 18, 236-248.	8.3	116
31	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, 182-191.	3.5	109
32	Toward dental caries: Exploring nanoparticle-based platforms and calcium phosphate compounds for dental restorative materials. <i>Bioactive Materials</i> , 2019, 4, 43-55.	15.6	109
33	Synthesis of new antibacterial quaternary ammonium monomer for incorporation into CaP nanocomposite. <i>Dental Materials</i> , 2013, 29, 859-870.	3.5	108
34	Antibacterial activity and ion release of bonding agent containing amorphous calcium phosphate nanoparticles. <i>Dental Materials</i> , 2014, 30, 891-901.	3.5	106
35	Reprogramming of mesenchymal stem cells derived from iPSCs seeded on biofunctionalized calcium phosphate scaffold for bone engineering. <i>Biomaterials</i> , 2013, 34, 7862-7872.	11.4	100
36	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, 504-513.	4.1	100

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37	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, 1295-1305.	3.1	100
38	Development of novel self-healing and antibacterial dental composite containing calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2015, 43, 317-326.	4.1	100
39	Effects of antibacterial primers with quaternary ammonium and nano-silver on <i>Streptococcus mutans</i> impregnated in human dentin blocks. <i>Dental Materials</i> , 2013, 29, 462-472.	3.5	99
40	<p>Novel nanomaterial-based antibacterial photodynamic therapies to combat oral bacterial biofilms and infectious diseases</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6937-6956.	6.7	99
41	Human umbilical cord stem cell encapsulation in calcium phosphate scaffolds for bone engineering. <i>Biomaterials</i> , 2010, 31, 3848-3857.	11.4	98
42	Novel rechargeable calcium phosphate dental nanocomposite. <i>Dental Materials</i> , 2016, 32, 285-293.	3.5	96
43	Simple Technique for Observing Subsurface Damage in Machining of Ceramics. <i>Journal of the American Ceramic Society</i> , 1994, 77, 1388-1390.	3.8	95
44	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, 1122-1131.	4.1	95
45	Effect of charge density of bonding agent containing a new quaternary ammonium methacrylate on antibacterial and bonding properties. <i>Dental Materials</i> , 2014, 30, 433-441.	3.5	94
46	Calcium and phosphate ion releasing composite: Effect of pH on release and mechanical properties. <i>Dental Materials</i> , 2009, 25, 535-542.	3.5	88
47	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.	2.7	84
48	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	82
49	Osteoblastic induction on calcium phosphate cement-chitosan constructs for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 223-233.	4.0	81
50	Protein-repellent and antibacterial dental composite to inhibit biofilms and caries. <i>Journal of Dentistry</i> , 2015, 43, 225-234.	4.1	81
51	Human bone marrow stem cell-encapsulating calcium phosphate scaffolds for bone repair. <i>Acta Biomaterialia</i> , 2010, 6, 4118-4126.	8.3	80
52	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, 101B, 929-938.	3.4	80
53	Development of a multifunctional adhesive system for prevention of root caries and secondary caries. <i>Dental Materials</i> , 2015, 31, 1119-1131.	3.5	77
54	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.	2.7	77

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55	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, 84B, 493-502.	3.4	76
56	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, 172-181.	8.6	76
57	Evaluation of antibacterial and remineralizing nanocomposite and adhesive in rat tooth cavity model. <i>Acta Biomaterialia</i> , 2014, 10, 2804-2813.	8.3	75
58	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.	8.6	75
59	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, 2297-2306.	8.3	74
60	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.	3.1	72
61	Nanocomposite containing CaF ₂ nanoparticles: Thermal cycling, wear and long-term water-aging. <i>Dental Materials</i> , 2012, 28, 642-652.	3.5	71
62	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.	3.1	71
63	A self-setting iPSMSC-alginate-calcium phosphate paste for bone tissue engineering. <i>Dental Materials</i> , 2016, 32, 252-263.	3.5	70
64	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.	5.8	70
65	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, 77A, 487-496.	4.0	68
66	Dental plaque microcosm biofilm behavior on calcium phosphate nanocomposite with quaternary ammonium. <i>Dental Materials</i> , 2012, 28, 853-862.	3.5	68
67	Rechargeable dental adhesive with calcium phosphate nanoparticles for long-term ion release. <i>Journal of Dentistry</i> , 2015, 43, 1587-1595.	4.1	68
68	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, 915-927.	3.1	67
69	Effect of calcium phosphate nanocomposite on in vitro remineralization of human dentin lesions. <i>Dental Materials</i> , 2017, 33, 1033-1044.	3.5	67
70	Gas-Foaming Calcium Phosphate Cement Scaffold Encapsulating Human Umbilical Cord Stem Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 816-827.	3.1	65
71	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 embryo. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 191-203.	2.7	65
72	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.	8.6	64

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73	Novel rechargeable calcium phosphate nanocomposite with antibacterial activity to suppress biofilm acids and dental caries. <i>Journal of Dentistry</i> , 2018, 72, 44-52.	4.1	64
74	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.	8.3	62
75	Porous chitosan bilayer membrane containing TGF- β 1 loaded microspheres for pulp capping and reparative dentin formation in a dog model. <i>Dental Materials</i> , 2014, 30, 172-181.	3.5	61
76	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.	3.3	61
77	Fluoride releasing restorative materials: Effects of pH on mechanical properties and ion release. <i>Dental Materials</i> , 2010, 26, e227-e235.	3.5	60
78	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.	7.3	60
79	Review on Development and Dental Applications of Polyetheretherketone-Based Biomaterials and Restorations. <i>Materials</i> , 2021, 14, 408.	2.9	60
80	Time-kill behaviour against eight bacterial species and cytotoxicity of antibacterial monomers. <i>Journal of Dentistry</i> , 2013, 41, 881-891.	4.1	59
81	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, 12791-12806.	4.1	58
82	Novel antibacterial orthodontic cement containing quaternary ammonium monomer dimethylaminododecyl methacrylate. <i>Journal of Dentistry</i> , 2014, 42, 1193-1201.	4.1	58
83	Effect of anti-biofilm glass-ionomer cement on <i>Streptococcus mutans</i> biofilms. <i>International Journal of Oral Science</i> , 2016, 8, 76-83.	8.6	58
84	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.	3.5	58
85	Do quaternary ammonium monomers induce drug resistance in cariogenic, endodontic and periodontal bacterial species?. <i>Dental Materials</i> , 2017, 33, 1127-1138.	3.5	58
86	Long-term mechanical durability of dental nanocomposites containing amorphous calcium phosphate nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1264-1273.	3.4	57
87	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
88	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.	7.3	55
89	Development of novel dental adhesive with double benefits of protein-repellent and antibacterial capabilities. <i>Dental Materials</i> , 2015, 31, 845-854.	3.5	54
90	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.	7.3	54

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91	A novel protein-repellent dental composite containing 2-methacryloyloxyethyl phosphorylcholine. <i>International Journal of Oral Science</i> , 2015, 7, 103-109.	8.6	53
92	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.	2.8	53
93	Dental remineralization via poly(amido amine) and restorative materials containing calcium phosphate nanoparticles. <i>International Journal of Oral Science</i> , 2019, 11, 15.	8.6	52
94	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.	4.1	52
95	Novel Bioactive and Therapeutic Dental Polymeric Materials to Inhibit Periodontal Pathogens and Biofilms. <i>International Journal of Molecular Sciences</i> , 2019, 20, 278.	4.1	52
96	Human embryonic stem cells and macroporous calcium phosphate construct for bone regeneration in cranial defects in rats. <i>Acta Biomaterialia</i> , 2014, 10, 4484-4493.	8.3	51
97	Prevascularization of biofunctional calcium phosphate cement for dental and craniofacial repairs. <i>Dental Materials</i> , 2014, 30, 535-544.	3.5	51
98	Fast Setting Calcium Phosphate Cement-Chitosan Composite: Mechanical Properties and Dissolution Rates. <i>Journal of Biomaterials Applications</i> , 2007, 21, 299-315.	2.4	50
99	Induced Pluripotent Stem Cell-derived Mesenchymal Stem Cell Seeding on Biofunctionalized Calcium Phosphate Cements. <i>Bone Research</i> , 2013, 1, 371-384.	11.4	50
100	The Use of Quaternary Ammonium to Combat Dental Caries. <i>Materials</i> , 2015, 8, 3532-3549.	2.9	50
101	Effects of water-aging on self-healing dental composite containing microcapsules. <i>Journal of Dentistry</i> , 2016, 47, 86-93.	4.1	50
102	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.	7.3	50
103	Calcium phosphate cement with biofunctional agents and stem cell seeding for dental and craniofacial bone repair. <i>Dental Materials</i> , 2012, 28, 1059-1070.	3.5	49
104	Inhibition of matrix metalloproteinase activity in human dentin via novel antibacterial monomer. <i>Dental Materials</i> , 2015, 31, 284-292.	3.5	49
105	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, 1125-1136.	7.3	48
106	Two-staged time-dependent materials for the prevention of implant-related infections. <i>Acta Biomaterialia</i> , 2020, 101, 128-140.	8.3	48
107	Dentin remineralization in acid challenge environment via PAMAM and calcium phosphate composite. <i>Dental Materials</i> , 2016, 32, 1429-1440.	3.5	47
108	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

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109	Novel dental adhesive with triple benefits of calcium phosphate recharge, protein-repellent and antibacterial functions. <i>Dental Materials</i> , 2017, 33, 553-563.	3.5	43
110	Effect of dimethylaminohexadecyl methacrylate mass fraction on fracture toughness and antibacterial properties of CaP nanocomposite. <i>Journal of Dentistry</i> , 2015, 43, 1539-1546.	4.1	42
111	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.	3.5	42
112	Bone regeneration via novel macroporous CPC scaffolds in critical-sized cranial defects in rats. <i>Dental Materials</i> , 2014, 30, e199-e207.	3.5	41
113	Protein-repellent and antibacterial functions of a calcium phosphate rechargeable nanocomposite. <i>Journal of Dentistry</i> , 2016, 52, 15-22.	4.1	41
114	Engineering bone regeneration with novel cell-laden hydrogel microfiber-injectable calcium phosphate scaffold. <i>Materials Science and Engineering C</i> , 2017, 75, 895-905.	7.3	41
115	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.	4.1	41
116	How we are assessing the developing antibacterial resin-based dental materials? A scoping review. <i>Journal of Dentistry</i> , 2020, 99, 103369.	4.1	41
117	Anti-Caries Effects of Dental Adhesives Containing Quaternary Ammonium Methacrylates with Different Chain Lengths. <i>Materials</i> , 2017, 10, 643.	2.9	40
118	The anti-caries effects of dental adhesive resin influenced by the position of functional groups in quaternary ammonium monomers. <i>Dental Materials</i> , 2018, 34, 400-411.	3.5	40
119	Novel dental adhesive resin with crack self-healing, antimicrobial and remineralization properties. <i>Journal of Dentistry</i> , 2018, 75, 48-57.	4.1	40
120	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
121	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, 969-979.	3.1	39
122	Novel protein-repellent dental adhesive containing 2-methacryloyloxyethyl phosphorylcholine. <i>Journal of Dentistry</i> , 2014, 42, 1284-1291.	4.1	39
123	Do Dental Resin Composites Accumulate More Oral Biofilms and Plaque than Amalgam and Glass Ionomer Materials?. <i>Materials</i> , 2016, 9, 888.	2.9	39
124	Orthodontic cement with protein-repellent and antibacterial properties and the release of calcium and phosphate ions. <i>Journal of Dentistry</i> , 2016, 50, 51-59.	4.1	39
125	Emerging Contact-Killing Antibacterial Strategies for Developing Anti-Biofilm Dental Polymeric Restorative Materials. <i>Bioengineering</i> , 2020, 7, 83.	3.5	39
126	Novel bioactive root canal sealer to inhibit endodontic multispecies biofilms with remineralizing calcium phosphate ions. <i>Journal of Dentistry</i> , 2017, 60, 25-35.	4.1	38

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127	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.	7.3	38
128	Antibacterial and protein-repellent orthodontic cement to combat biofilms and white spot lesions. <i>Journal of Dentistry</i> , 2015, 43, 1529-1538.	4.1	37
129	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.	7.3	37
130	Novel pit and fissure sealant containing nano-CaF ₂ and dimethylaminohexadecyl methacrylate with double benefits of fluoride release and antibacterial function. <i>Dental Materials</i> , 2020, 36, 1241-1253.	3.5	37
131	Nanostructured Polymeric Materials with Protein-Repellent and Anti-Caries Properties for Dental Applications. <i>Nanomaterials</i> , 2018, 8, 393.	4.1	36
132	Novel CaF ₂ 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, 56.	4.4	36
133	Effect of Antimicrobial Denture Base Resin on Multi-Species Biofilm Formation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1033.	4.1	35
134	In vivo immune interactions of multipotent stromal cells underlie their long-lasting pain-relieving effect. <i>Scientific Reports</i> , 2017, 7, 10107.	3.3	35
135	Effects of Long-Term Water-Aging on Novel Anti-Biofilm and Protein-Repellent Dental Composite. <i>International Journal of Molecular Sciences</i> , 2017, 18, 186.	4.1	35
136	Tuning Nano-Amorphous Calcium Phosphate Content in Novel Rechargeable Antibacterial Dental Sealant. <i>Materials</i> , 2018, 11, 1544.	2.9	35
137	Novel magnetic nanoparticle-containing adhesive with greater dentin bond strength and antibacterial and remineralizing capabilities. <i>Dental Materials</i> , 2018, 34, 1310-1322.	3.5	35
138	Dentin remineralization via adhesive containing amorphous calcium phosphate nanoparticles in a biofilm-challenged environment. <i>Journal of Dentistry</i> , 2019, 89, 103193.	4.1	35
139	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.	3.5	35
140	Novel bioactive nanocomposite for Class-V restorations to inhibit periodontitis-related pathogens. <i>Dental Materials</i> , 2016, 32, e351-e361.	3.5	34
141	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
142	Umbilical Cord Stem Cell Seeding on Fast-Resorbable Calcium Phosphate Bone Cement. <i>Tissue Engineering - Part A</i> , 2010, 16, 2743-2753.	3.1	33
143	Bioactive Dental Composites and Bonding Agents Having Remineralizing and Antibacterial Characteristics. <i>Dental Clinics of North America</i> , 2017, 61, 669-687.	1.8	33
144	Cutting-edge filler technologies to release bio-active components for restorative and preventive dentistry. <i>Dental Materials Journal</i> , 2020, 39, 69-79.	1.8	33

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145	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, 1583-1595.	3.1	32
146	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
147	Novel Dental Adhesive with Biofilm-Regulating and Remineralization Capabilities. <i>Materials</i> , 2017, 10, 26.	2.9	31
148	Drug resistance of oral bacteria to new antibacterial dental monomer dimethylaminohexadecyl methacrylate. <i>Scientific Reports</i> , 2018, 8, 5509.	3.3	31
149	Antibacterial response of oral microcosm biofilm to nano-zinc oxide in adhesive resin. <i>Dental Materials</i> , 2021, 37, e182-e193.	3.5	31
150	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, 93B, 93-105.	3.4	30
151	Fast-Degradable Microbeads Encapsulating Human Umbilical Cord Stem Cells in Alginate for Muscle Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2012, 18, 2303-2314.	3.1	30
152	Long-term dentin remineralization by poly(amido amine) and rechargeable calcium phosphate nanocomposite after fluid challenges. <i>Dental Materials</i> , 2018, 34, 607-618.	3.5	30
153	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.	3.4	30
154	Protein-repellent and antibacterial effects of a novel polymethyl methacrylate resin. <i>Journal of Dentistry</i> , 2018, 79, 39-45.	4.1	30
155	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
156	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.	3.5	30
157	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.	10.5	30
158	The remineralization effectiveness of PAMAM dendrimer with different terminal groups on demineralized dentin <i>in vitro</i> . <i>RSC Advances</i> , 2017, 7, 54947-54955.	3.6	29
159	Novel Calcium Phosphate Cement with Metformin-Loaded Chitosan for Odontogenic Differentiation of Human Dental Pulp Cells. <i>Stem Cells International</i> , 2018, 2018, 1-10.	2.5	29
160	Antibacterial Efficacy and Discoloration Potential of Endodontic Topical Antibiotics. <i>Journal of Endodontics</i> , 2018, 44, 1110-1114.	3.1	29
161	Novel bioactive root canal sealer with antibiofilm and remineralization properties. <i>Journal of Dentistry</i> , 2019, 83, 67-76.	4.1	29
162	pH-responsive calcium and phosphate-ion releasing antibacterial sealants on carious enamel lesions <i>in vitro</i> . <i>Journal of Dentistry</i> , 2020, 97, 103323.	4.1	29

#	ARTICLE	IF	CITATIONS
163	Metformin Enhances the Differentiation of Dental Pulp Cells into Odontoblasts by Activating AMPK Signaling. <i>Journal of Endodontics</i> , 2018, 44, 576-584.	3.1	28
164	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.	2.7	28
165	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.	3.5	28
166	Accelerated fatigue of dentin with exposure to lactic acid. <i>Biomaterials</i> , 2013, 34, 8650-8659.	11.4	27
167	Novel rechargeable calcium phosphate nanoparticle-containing orthodontic cement. <i>International Journal of Oral Science</i> , 2017, 9, 24-32.	8.6	27
168	Decreased Expression of Semaphorin3A/Neuropilin-1 Signaling Axis in Apical Periodontitis. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	27
169	Protein-repellent nanocomposite with rechargeable calcium and phosphate for long-term ion release. <i>Dental Materials</i> , 2018, 34, 1735-1747.	3.5	27
170	A nano-CaF ₂ -containing orthodontic cement with antibacterial and remineralization capabilities to combat enamel white spot lesions. <i>Journal of Dentistry</i> , 2019, 89, 103172.	4.1	27
171	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.	3.5	27
172	Enamel remineralization via poly(amido amine) and adhesive resin containing calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2020, 92, 103262.	4.1	27
173	Novel Bioactive and Therapeutic Root Canal Sealers with Antibacterial and Remineralization Properties. <i>Materials</i> , 2020, 13, 1096.	2.9	27
174	Novel Dental Cement to Combat Biofilms and Reduce Acids for Orthodontic Applications to Avoid Enamel Demineralization. <i>Materials</i> , 2016, 9, 413.	2.9	26
175	Self-healing adhesive with antibacterial activity in water-aging for 12 months. <i>Dental Materials</i> , 2019, 35, 1104-1116.	3.5	26
176	Novel low-shrinkage-stress nanocomposite with remineralization and antibacterial abilities to protect marginal enamel under biofilm. <i>Journal of Dentistry</i> , 2020, 99, 103406.	4.1	26
177	Effect of NELL1 gene overexpression in iPSC-MSCs seeded on calcium phosphate cement. <i>Acta Biomaterialia</i> , 2014, 10, 5128-5138.	8.3	25
178	Three-dimensional biofilm properties on dental bonding agent with varying quaternary ammonium charge densities. <i>Journal of Dentistry</i> , 2016, 53, 73-81.	4.1	25
179	A Modified Resin Sealer: Physical and Antibacterial Properties. <i>Journal of Endodontics</i> , 2018, 44, 1553-1557.	3.1	25
180	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

#	ARTICLE	IF	CITATIONS
181	Novel multifunctional dental bonding agent for class-V restorations to inhibit periodontal biofilms. RSC Advances, 2017, 7, 29004-29014.	3.6	24
182	Novel self-healing dental luting cements with microcapsules for indirect restorations. Journal of Dentistry, 2017, 66, 76-82.	4.1	24
183	Combining Bioactive Multifunctional Dental Composite with PAMAM for Root Dentin Remineralization. Materials, 2017, 10, 89.	2.9	24
184	Anti-Bacterial and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. Molecules, 2017, 22, 2013.	3.8	24
185	Effect of filler level and particle size on dental caries-inhibiting Ca ²⁺ PO ₄ composite. Journal of Materials Science: Materials in Medicine, 2009, 20, 1771-1779.	3.6	23
186	Novel multifunctional dental cement to prevent enamel demineralization near orthodontic brackets. Journal of Dentistry, 2017, 64, 58-67.	4.1	23
187	Human periodontal ligament stem cell seeding on calcium phosphate cement scaffold delivering metformin for bone tissue engineering. Journal of Dentistry, 2019, 91, 103220.	4.1	23
188	Novel multifunctional nanocomposite for root caries restorations to inhibit periodontitis-related pathogens. Journal of Dentistry, 2019, 81, 17-26.	4.1	23
189	In vitro evaluation of composite containing DMAHDM and calcium phosphate nanoparticles on recurrent caries inhibition at bovine enamel-restoration margins. Dental Materials, 2020, 36, 1343-1355.	3.5	23
190	Anti-caries effect of resin infiltrant modified by quaternary ammonium monomers. Journal of Dentistry, 2020, 97, 103355.	4.1	23
191	Multifunctional antibacterial dental sealants suppress biofilms derived from children at high risk of caries. Biomaterials Science, 2020, 8, 3472-3484.	5.4	23
192	S. mutans gene-modification and antibacterial resin composite as dual strategy to suppress biofilm acid production and inhibit caries. Journal of Dentistry, 2020, 93, 103278.	4.1	23
193	Antibacterial and remineralizing nanocomposite inhibit root caries biofilms and protect root dentin hardness at the margins. Journal of Dentistry, 2020, 97, 103344.	4.1	23
194	In situ antibiofilm effect of glass-ionomer cement containing dimethylaminododecyl methacrylate. Dental Materials, 2015, 31, 992-1002.	3.5	22
195	Current Insights into the Modulation of Oral Bacterial Degradation of Dental Polymeric Restorative Materials. Materials, 2017, 10, 507.	2.9	22
196	Quaternary ammonium-induced multidrug tolerant Streptococcus mutans persists elevate cariogenic virulence in vitro. International Journal of Oral Science, 2017, 9, e7-e7.	8.6	22
197	Novel protein ⁺ repellent and biofilm ⁻ repellent orthodontic cement containing 2 ⁺ methacryloyloxyethyl phosphorylcholine. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 949-959.	3.4	21
198	Nanomagnetic-mediated drug delivery for the treatment of dental disease. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 919-927.	3.3	21

#	ARTICLE	IF	CITATIONS
199	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
200	Novel Crown Cement Containing Antibacterial Monomer and Calcium Phosphate Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 2001.	4.1	21
201	Magnetic-Responsive Photosensitizer Nanoplatfor for Optimized Inactivation of Dental Caries-Related Biofilms: Technology Development and Proof of Principle. <i>ACS Nano</i> , 2021, 15, 19888-19904.	14.6	21
202	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, 92B, 332-340.	3.4	20
203	Heat-Polymerized Resin Containing Dimethylaminododecyl Methacrylate Inhibits <i>Candida albicans</i> Biofilm. <i>Materials</i> , 2017, 10, 431.	2.9	20
204	Nano-Structured Demineralized Human Dentin Matrix to Enhance Bone and Dental Repair and Regeneration. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1013.	2.5	20
205	Nano-calcium phosphate and dimethylaminohexadecyl methacrylate adhesive for dentin remineralization in a biofilm-challenged environment. <i>Dental Materials</i> , 2020, 36, e316-e328.	3.5	20
206	Functional organic cation transporters mediate osteogenic response to metformin in human umbilical cord mesenchymal stromal cells. <i>Cytotherapy</i> , 2018, 20, 650-659.	0.7	19
207	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.	4.1	19
208	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.	5.8	19
209	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.	7.3	19
210	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.	3.5	18
211	Novel Nano Calcium Fluoride Remineralizing and Antibacterial Dental Composites. <i>Journal of Dentistry</i> , 2021, 113, 103789.	4.1	18
212	Denture Acrylic Resin Material with Antibacterial and Protein-Repelling Properties for the Prevention of Denture Stomatitis. <i>Polymers</i> , 2022, 14, 230.	4.5	18
213	Genetics of complex human diseases: genome screening, association studies and fine mapping. <i>Clinical and Experimental Allergy</i> , 1998, 28, 1-5.	2.9	17
214	Rechargeable calcium phosphate orthodontic cement with sustained ion release and re-release. <i>Scientific Reports</i> , 2016, 6, 36476.	3.3	17
215	Short-Time Antibacterial Effects of Dimethylaminododecyl Methacrylate on Oral Multispecies Biofilm In Vitro. <i>BioMed Research International</i> , 2019, 2019, 1-10.	1.9	17
216	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.	3.5	17

#	ARTICLE	IF	CITATIONS
217	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.	3.6	17
218	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.	5.2	17
219	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, 3443.	4.1	16
220	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.	3.4	16
221	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.	1.8	16
222	Ph-activated nano-amorphous calcium phosphate-based cement to reduce dental enamel demineralization. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1778-1785.	2.8	15
223	NF-KappaB Pathway Is Involved in Bone Marrow Stromal Cell-Produced Pain Relief. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 49.	2.1	15
224	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, 6369.	4.1	15
225	Effect of Temperature on Toughness Curves in Alumina. <i>Journal of the American Ceramic Society</i> , 1995, 78, 260-262.	3.8	14
226	Novel Cavity Disinfectants Containing Quaternary Ammonium Monomer Dimethylaminododecyl Methacrylate. <i>Materials</i> , 2016, 9, 674.	2.9	14
227	Primer containing dimethylaminododecyl methacrylate kills bacteria impregnated in human dentin blocks. <i>International Journal of Oral Science</i> , 2016, 8, 239-245.	8.6	14
228	Dental Composite Formulation Design with Bioactivity on Protein Adsorption Combined with Crack-Healing Capability. <i>Journal of Functional Biomaterials</i> , 2017, 8, 40.	4.4	14
229	Developing a New Generation of Therapeutic Dental Polymers to Inhibit Oral Biofilms and Protect Teeth. <i>Materials</i> , 2018, 11, 1747.	2.9	14
230	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.	3.6	14
231	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, 7612.	4.1	13
232	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.	3.3	13
233	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.	3.3	13
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> , 2021, 25, 5375-5390.	3.0	13

#	ARTICLE	IF	CITATIONS
235	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.	3.4	12
236	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.	8.6	12
237	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.	3.3	12
238	Novel rechargeable nano-CaF ₂ orthodontic cement with high levels of long-term fluoride release. <i>Journal of Dentistry</i> , 2019, 90, 103214.	4.1	12
239	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
240	Human periodontal ligament stem cells on calcium phosphate scaffold delivering platelet lysate to enhance bone regeneration. <i>RSC Advances</i> , 2019, 9, 41161-41172.	3.6	12
241	Biocompatible Nanocomposite Enhanced Osteogenic and Cementogenic Differentiation of Periodontal Ligament Stem Cells In Vitro for Periodontal Regeneration. <i>Materials</i> , 2020, 13, 4951.	2.9	12
242	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
243	Effect of Antibacterial Root Canal Sealer on Persistent Apical Periodontitis. <i>Antibiotics</i> , 2021, 10, 741.	3.7	11
244	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.	8.3	11
245	Intelligent pH-responsive dental sealants to prevent long-term microleakage. <i>Dental Materials</i> , 2021, 37, 1529-1541.	3.5	11
246	Novel nanostructured resin infiltrant containing calcium phosphate nanoparticles to prevent enamel white spot lesions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104990.	3.1	11
247	Human Periodontal Ligament Stem Cell and Umbilical Vein Endothelial Cell Co-Culture to Prevascularize Scaffolds for Angiogenic and Osteogenic Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12363.	4.1	11
248	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> , 2012, 7, n/a-n/a.	2.7	10
249	Alcohol Inhibits Odontogenic Differentiation of Human Dental Pulp Cells by Activating mTOR Signaling. <i>Stem Cells International</i> , 2017, 2017, 1-10.	2.5	10
250	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.	3.5	10
251	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.	2.7	10
252	Novel rechargeable calcium fluoride dental nanocomposites. <i>Dental Materials</i> , 2022, 38, 397-408.	3.5	10

#	ARTICLE	IF	CITATIONS
253	Novel orthodontic cement containing dimethylaminohexadecyl methacrylate with strong antibacterial capability. <i>Dental Materials Journal</i> , 2017, 36, 669-676.	1.8	9
254	Effects of <i>S. mutans</i> gene-modification and antibacterial calcium phosphate nanocomposite on secondary caries and marginal enamel hardness. <i>RSC Advances</i> , 2019, 9, 41672-41683.	3.6	9
255	Resumptive <i>Streptococcus mutans</i> Persists Induced From Dimethylaminododecyl Methacrylate Elevated the Cariogenic Virulence by Up-Regulating the Quorum-Sensing and VicRK Pathway Genes. <i>Frontiers in Microbiology</i> , 2020, 10, 3102.	3.5	9
256	Antibiofilm and Protein-Repellent Polymethylmethacrylate Denture Base Acrylic Resin for Treatment of Denture Stomatitis. <i>Materials</i> , 2021, 14, 1067.	2.9	9
257	Low-Shrinkage Resin Matrices in Restorative Dentistry-Narrative Review. <i>Materials</i> , 2022, 15, 2951.	2.9	9
258	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.	2.7	8
259	A Biphasic Calcium Phosphate Cement Enhances Dentin Regeneration by Dental Pulp Stem Cells and Promotes Macrophages M2 Phenotype In Vitro. <i>Tissue Engineering - Part A</i> , 2021, 27, 1113-1127.	3.1	8
260	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.	7.3	8
261	Novel dental implant modifications with two-staged double benefits for preventing infection and promoting osseointegration in vivo and in vitro. <i>Bioactive Materials</i> , 2021, 6, 4568-4579.	15.6	8
262	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.	2.3	8
263	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, 122, 104140.	4.1	8
264	Novel bioactive adhesive containing dimethylaminohexadecyl methacrylate and calcium phosphate nanoparticles to inhibit metalloproteinases and nanoleakage with three months of aging in artificial saliva. <i>Dental Materials</i> , 2022, 38, 1206-1217.	3.5	8
265	Novel self-etching and antibacterial orthodontic adhesive containing dimethylaminohexadecyl methacrylate to inhibit enamel demineralization. <i>Dental Materials Journal</i> , 2018, 37, 555-561.	1.8	7
266	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	7
267	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.	2.5	7
268	Effect of co-precipitation plus spray-drying of nano-CaF ₂ on mechanical and fluoride properties of nanocomposite. <i>Dental Materials</i> , 2021, 37, 1009-1019.	3.5	7
269	Novel calcium phosphate ion-rechargeable and antibacterial adhesive to inhibit dental caries. <i>Clinical Oral Investigations</i> , 2022, 26, 313-323.	3.0	7
270	Evaluation of the ability of adhesives with antibacterial and remineralization functions to prevent secondary caries in vivo. <i>Clinical Oral Investigations</i> , 2022, 26, 3637-3650.	3.0	7

#	ARTICLE	IF	CITATIONS
271	Novel Protein-Repellent and Antibacterial Resins and Cements to Inhibit Lesions and Protect Teeth. International Journal of Polymer Science, 2019, 2019, 1-11.	2.7	6
272	Starvation Survival and Biofilm Formation under Subminimum Inhibitory Concentration of QAMs. BioMed Research International, 2021, 2021, 1-10.	1.9	6
273	Low-shrinkage-stress nanocomposite: An insight into shrinkage stress, antibacterial, and ion release properties. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1124-1134.	3.4	6
274	Novel low-shrinkage-stress bioactive nanocomposite with anti-biofilm and remineralization capabilities to inhibit caries. Journal of Dental Sciences, 2022, 17, 811-821.	2.5	6
275	Rechargeable adhesive with calcium phosphate nanoparticles inhibited long-term dentin demineralization in a biofilm-challenged environment. Journal of Dentistry, 2021, 104, 103529.	4.1	5
276	Novel dual-functional implants via oxygen non-thermal plasma and quaternary ammonium to promote osteogenesis and combat infections. Dental Materials, 2022, 38, 169-182.	3.5	5
277	Dentin remineralization in acidic solution without initial calcium phosphate ions via poly(amido) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2022, 26, 1517-1530.	3.0	4
278	Minimally-invasive dentistry via dual-function novel bioactive low-shrinkage-stress flowable nanocomposites. Dental Materials, 2022, 38, 409-420.	3.5	4
279	Effects of thermal cycling on mechanical and antibacterial durability of bioactive low-shrinkage-stress nanocomposite. Journal of Dentistry, 2022, , 104218.	4.1	4
280	Human periodontal ligament stem cell encapsulation in alginate-fibrin-platelet lysate microbeads for dental and craniofacial regeneration. Journal of Dentistry, 2022, 124, 104219.	4.1	4
281	Approaches to meta analysis in genetic disorders. Clinical and Experimental Allergy, 1998, 28, 106-107.	2.9	3
282	Regulating Oral Biofilm from Cariogenic State to Non-Cariogenic State via Novel Combination of Bioactive Therapeutic Composite and Gene-Knockout. Microorganisms, 2020, 8, 1410.	3.6	3
283	Anti-caries nanostructured dental adhesive reduces biofilm pathogenicity and raises biofilm pH to protect tooth structures. Journal of Materials Research, 2021, 36, 533-546.	2.6	3
284	Sustained delivery of growth factors and alendronate using partially demineralized dentin matrix for endogenous periodontal regeneration. Applied Materials Today, 2021, 22, 100922.	4.3	3
285	Bioactive small molecules in calcium phosphate scaffold enhanced osteogenic differentiation of human induced pluripotent stem cells. Dental Materials Journal, 2021, 40, 615-624.	1.8	3
286	Novel Giomers Incorporated with Antibacterial Quaternary Ammonium Monomers to Inhibit Secondary Caries. Pathogens, 2022, 11, 578.	2.8	3
287	Effect of Electrospun Fibrous Scaffolds with Different Fiber Orientations on the Alignment of Microvessel-Like Structures. Journal of Medical and Biological Engineering, 2018, 38, 106-115.	1.8	1
288	Novel Magnetic Cell-Scaffold Construct with and without Magnetic Field Enhanced Osteogenesis of Stem Cells and Formation of new bone. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
289	Antibacterial, pH Neutralizing, and Remineralizing Fillers in Polymeric Restorative Materials. , 2020, , 199-223.		0