

Ke Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,121
citations

257357

24
h-index

233338

45
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53
all docs

53
docs citations

53
times ranked

2196
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.5	11
2	Higher yield and enhanced therapeutic effects of exosomes derived from MSCs in hydrogel-assisted 3D culture system for bone regeneration. <i>Materials Science and Engineering C</i> , 2022, 133, 112646.	3.8	37
3	Nomogram for prediction of long-term survival with hepatocellular carcinoma based on NK cell counts. <i>Annals of Hepatology</i> , 2022, 27, 100672.	0.6	3
4	Biocompatible reduced graphene oxide stimulated BMSCs induce acceleration of bone remodeling and orthodontic tooth movement through promotion on osteoclastogenesis and angiogenesis. <i>Bioactive Materials</i> , 2022, 15, 409-425.	8.6	9
5	EFFECTS OF ECTOPIC INNER FOVEAL LAYERS ON FOVEAL CONFIGURATION AND VISUAL FUNCTION AFTER IDIOPATHIC EPIRETINAL MEMBRANE SURGERY. <i>Retina</i> , 2022, 42, 1472-1478.	1.0	1
6	Ultrasound-Based Carotid Plaque Characteristics Help Predict New Cerebral Ischemic Lesions after Endarterectomy. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 244-251.	0.7	10
7	Gelatin reduced Graphene Oxide Nanosheets as Kartogenin Nanocarrier Induces Rat ADSCs Chondrogenic Differentiation Combining with Autophagy Modification. <i>Materials</i> , 2021, 14, 1053.	1.3	12
8	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.	1.8	11
9	Simultaneous radiofrequency ablation combined with laparoscopic splenectomy: a safe and effective way for patients with hepatocellular carcinoma complicated with cirrhosis and hypersplenism. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2020, 29, 177-184.	0.6	2
10	Regulating Oral Biofilm from Cariogenic State to Non-Cariogenic State via Novel Combination of Bioactive Therapeutic Composite and Gene-Knockout. <i>Microorganisms</i> , 2020, 8, 1410.	1.6	3
11	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.	1.7	14
12	Biocompatible Nanocomposite Enhanced Osteogenic and Cementogenic Differentiation of Periodontal Ligament Stem Cells In Vitro for Periodontal Regeneration. <i>Materials</i> , 2020, 13, 4951.	1.3	12
13	Transjugular intrahepatic portosystemic shunt and splenectomy are more effective than endoscopic therapy for recurrent variceal bleeding in patients with idiopathic noncirrhotic portal hypertension. <i>World Journal of Clinical Cases</i> , 2020, 8, 1871-1877.	0.3	6
14	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.	1.6	40
15	Effects of Fluoride and Calcium Phosphate Materials on Remineralization of Mild and Severe White Spot Lesions. <i>BioMed Research International</i> , 2019, 2019, 1-13.	0.9	34
16	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.	1.7	27
17	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.	1.7	23
18	Evaluation of Growth and Development of Late Mixed Dentition Upper Dental Arch with Normal Occlusion Using 3-Dimensional Digital Models. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-8.	1.1	5

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19	Human periodontal ligament stem cells on calcium phosphate scaffold delivering platelet lysate to enhance bone regeneration. RSC Advances, 2019, 9, 41161-41172.	1.7	12
20	Effects of <i>S. mutans</i> gene-modification and antibacterial calcium phosphate nanocomposite on secondary caries and marginal enamel hardness. RSC Advances, 2019, 9, 41672-41683.	1.7	9
21	Bonding durability, antibacterial activity and biofilm pH of novel adhesive containing antibacterial monomer and nanoparticles of amorphous calcium phosphate. Journal of Dentistry, 2019, 81, 91-101.	1.7	19
22	Developing a New Generation of Therapeutic Dental Polymers to Inhibit Oral Biofilms and Protect Teeth. Materials, 2018, 11, 1747.	1.3	14
23	Protein-repellent nanocomposite with rechargeable calcium and phosphate for long-term ion release. Dental Materials, 2018, 34, 1735-1747.	1.6	27
24	Advanced smart biomaterials and constructs for hard tissue engineering and regeneration. Bone Research, 2018, 6, 31.	5.4	206
25	Novel dental adhesive resin with crack self-healing, antimicrobial and remineralization properties. Journal of Dentistry, 2018, 75, 48-57.	1.7	40
26	Effects of water-aging for 6 months on the durability of a novel antimicrobial and protein-repellent dental bonding agent. International Journal of Oral Science, 2018, 10, 18.	3.6	12
27	Nanostructured Polymeric Materials with Protein-Repellent and Anti-Caries Properties for Dental Applications. Nanomaterials, 2018, 8, 393.	1.9	36
28	Novel bioactive root canal sealer to inhibit endodontic multispecies biofilms with remineralizing calcium phosphate ions. Journal of Dentistry, 2017, 60, 25-35.	1.7	38
29	Novel multifunctional dental bonding agent for class-V restorations to inhibit periodontal biofilms. RSC Advances, 2017, 7, 29004-29014.	1.7	24
30	Novel dental adhesive with triple benefits of calcium phosphate recharge, protein-repellent and antibacterial functions. Dental Materials, 2017, 33, 553-563.	1.6	43
31	Bioactive Dental Composites and Bonding Agents Having Remineralizing and Antibacterial Characteristics. Dental Clinics of North America, 2017, 61, 669-687.	0.8	33
32	Effect of calcium phosphate nanocomposite on in vitro remineralization of human dentin lesions. Dental Materials, 2017, 33, 1033-1044.	1.6	67
33	Effects of Long-Term Water-Aging on Novel Anti-Biofilm and Protein-Repellent Dental Composite. International Journal of Molecular Sciences, 2017, 18, 186.	1.8	35
34	Novel orthodontic cement containing dimethylaminohexadecyl methacrylate with strong antibacterial capability. Dental Materials Journal, 2017, 36, 669-676.	0.8	9
35	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.	1.6	21
36	Three-dimensional biofilm properties on dental bonding agent with varying quaternary ammonium charge densities. Journal of Dentistry, 2016, 53, 73-81.	1.7	25

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37	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.	3.6	76
38	Effects of transverse relationships between maxillary arch, mouth, and face on smile esthetics. <i>Angle Orthodontist</i> , 2016, 86, 135-141.	1.1	12
39	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.	3.6	75
40	Nanotechnology strategies for antibacterial and remineralizing composites and adhesives to tackle dental caries. <i>Nanomedicine</i> , 2015, 10, 627-641.	1.7	134
41	Radiofrequency Ablation Plus Devascularization Is the Preferred Treatment of Hepatocellular Carcinoma with Esophageal Varices. <i>Digestive Diseases and Sciences</i> , 2015, 60, 1490-1501.	1.1	4
42	Prognostic value of CYP2W1 expression in patients with human hepatocellular carcinoma. <i>Tumor Biology</i> , 2014, 35, 7669-7673.	0.8	15
43	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.	1.7	138
44	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.	1.7	100
45	Dental primer and adhesive containing a new antibacterial quaternary ammonium monomer dimethylaminododecyl methacrylate. <i>Journal of Dentistry</i> , 2013, 41, 345-355.	1.7	138
46	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.	1.6	99
47	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.	1.6	80
48	Synthesis of new antibacterial quaternary ammonium monomer for incorporation into CaP nanocomposite. <i>Dental Materials</i> , 2013, 29, 859-870.	1.6	108
49	Dental plaque microcosm biofilm behavior on calcium phosphate nanocomposite with quaternary ammonium. <i>Dental Materials</i> , 2012, 28, 853-862.	1.6	68
50	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.	1.6	142