

Ke Zhang

List of Publications by Year in descending order

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50
papers

2,121
citations

257357

24
h-index

233338

45
g-index

53
all docs

53
docs citations

53
times ranked

2196
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced smart biomaterials and constructs for hard tissue engineering and regeneration. Bone Research, 2018, 6, 31.	5.4	206
2	Effect of quaternary ammonium and silver nanoparticle-containing adhesives on dentin bond strength and dental plaque microcosm biofilms. Dental Materials, 2012, 28, 842-852.	1.6	142
3	Effects of dual antibacterial agents MDPB and nano-silver in primer on microcosm biofilm, cytotoxicity and dentine bond properties. Journal of Dentistry, 2013, 41, 464-474.	1.7	138
4	Dental primer and adhesive containing a new antibacterial quaternary ammonium monomer dimethylaminododecyl methacrylate. Journal of Dentistry, 2013, 41, 345-355.	1.7	138
5	Nanotechnology strategies for antibacterial and remineralizing composites and adhesives to tackle dental caries. Nanomedicine, 2015, 10, 627-641.	1.7	134
6	Synthesis of new antibacterial quaternary ammonium monomer for incorporation into CaP nanocomposite. Dental Materials, 2013, 29, 859-870.	1.6	108
7	Effect of water-ageing on dentine bond strength and anti-biofilm activity of bonding agent containing new monomer dimethylaminododecyl methacrylate. Journal of Dentistry, 2013, 41, 504-513.	1.7	100
8	Effects of antibacterial primers with quaternary ammonium and nano-silver on Streptococcus mutans impregnated in human dentin blocks. Dental Materials, 2013, 29, 462-472.	1.6	99
9	Dual antibacterial agents of nano-silver and 12-methacryloyloxydodecylpyridinium bromide in dental adhesive to inhibit caries. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 929-938.	1.6	80
10	One-year water-ageing of calcium phosphate composite containing nano-silver and quaternary ammonium to inhibit biofilms. International Journal of Oral Science, 2016, 8, 172-181.	3.6	76
11	Effects of quaternary ammonium chain length on the antibacterial and remineralizing effects of a calcium phosphate nanocomposite. International Journal of Oral Science, 2016, 8, 45-53.	3.6	75
12	Dental plaque microcosm biofilm behavior on calcium phosphate nanocomposite with quaternary ammonium. Dental Materials, 2012, 28, 853-862.	1.6	68
13	Effect of calcium phosphate nanocomposite on in vitro remineralization of human dentin lesions. Dental Materials, 2017, 33, 1033-1044.	1.6	67
14	Novel dental adhesive with triple benefits of calcium phosphate recharge, protein-repellent and antibacterial functions. Dental Materials, 2017, 33, 553-563.	1.6	43
15	Novel dental adhesive resin with crack self-healing, antimicrobial and remineralization properties. Journal of Dentistry, 2018, 75, 48-57.	1.7	40
16	Novel root canal sealer with dimethylaminohexadecyl methacrylate, nano-silver and nano-calcium phosphate to kill bacteria inside root dentin and increase dentin hardness. Dental Materials, 2019, 35, 1479-1489.	1.6	40
17	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
18	Higher yield and enhanced therapeutic effects of exosomes derived from MSCs in hydrogel-assisted 3D culture system for bone regeneration. Materials Science and Engineering C, 2022, 133, 112646.	3.8	37

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19	Nanostructured Polymeric Materials with Protein-Repellent and Anti-Caries Properties for Dental Applications. <i>Nanomaterials</i> , 2018, 8, 393.	1.9	36
20	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.	1.8	35
21	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
22	Bioactive Dental Composites and Bonding Agents Having Remineralizing and Antibacterial Characteristics. <i>Dental Clinics of North America</i> , 2017, 61, 669-687.	0.8	33
23	Protein-repellent nanocomposite with rechargeable calcium and phosphate for long-term ion release. <i>Dental Materials</i> , 2018, 34, 1735-1747.	1.6	27
24	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
25	Three-dimensional biofilm properties on dental bonding agent with varying quaternary ammonium charge densities. <i>Journal of Dentistry</i> , 2016, 53, 73-81.	1.7	25
26	Novel multifunctional dental bonding agent for class-V restorations to inhibit periodontal biofilms. <i>RSC Advances</i> , 2017, 7, 29004-29014.	1.7	24
27	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
28	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, 949-959.	1.6	21
29	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.	1.7	19
30	Prognostic value of CYP2W1 expression in patients with human hepatocellular carcinoma. <i>Tumor Biology</i> , 2014, 35, 7669-7673.	0.8	15
31	Developing a New Generation of Therapeutic Dental Polymers to Inhibit Oral Biofilms and Protect Teeth. <i>Materials</i> , 2018, 11, 1747.	1.3	14
32	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
33	Effects of transverse relationships between maxillary arch, mouth, and face on smile esthetics. <i>Angle Orthodontist</i> , 2016, 86, 135-141.	1.1	12
34	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.	3.6	12
35	Human periodontal ligament stem cells on calcium phosphate scaffold delivering platelet lysate to enhance bone regeneration. <i>RSC Advances</i> , 2019, 9, 41161-41172.	1.7	12
36	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

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37	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
38	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
39	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
40	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
41	Novel orthodontic cement containing dimethylaminohexadecyl methacrylate with strong antibacterial capability. <i>Dental Materials Journal</i> , 2017, 36, 669-676.	0.8	9
42	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.	1.7	9
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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