

Jiyao Li

List of Publications by Citations

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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.

84
papers

1,870
citations

25
h-index

40
g-index

87
ext. papers

2,483
ext. citations

6.3
avg, IF

4.76
L-index

#	Paper	IF	Citations
84	Hydroxyapatite-anchored dendrimer for in situ remineralization of human tooth enamel. <i>Biomaterials</i> , 2013 , 34, 5036-47	15.6	123
83	Phylogenetic and functional gene structure shifts of the oral microbiomes in periodontitis patients. <i>ISME Journal</i> , 2014 , 8, 1879-91	11.9	114
82	Bioinspired intrafibrillar mineralization of human dentine by PAMAM dendrimer. <i>Biomaterials</i> , 2013 , 34, 6738-47	15.6	97
81	Saliva is a non-negligible factor in the spread of COVID-19. <i>Molecular Oral Microbiology</i> , 2020 , 35, 141-145	4.6	85
80	Molecule Targeting Glucosyltransferase Inhibits Streptococcus mutans Biofilm Formation and Virulence. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 126-35	5.9	75
79	Preliminary analysis of salivary microbiome and their potential roles in oral lichen planus. <i>Scientific Reports</i> , 2016 , 6, 22943	4.9	69
78	Advances in polymeric materials for dental applications. <i>Polymer Chemistry</i> , 2017 , 8, 807-823	4.9	62
77	Regeneration of biomimetic hydroxyapatite on etched human enamel by anionic PAMAM template in vitro. <i>Archives of Oral Biology</i> , 2013 , 58, 975-80	2.8	56
76	Regulation of oxidative response and extracellular polysaccharide synthesis by a diadenylate cyclase in Streptococcus mutans. <i>Environmental Microbiology</i> , 2016 , 18, 904-22	5.2	50
75	Modulated regeneration of acid-etched human tooth enamel by a functionalized dendrimer that is an analog of amelogenin. <i>Acta Biomaterialia</i> , 2014 , 10, 4437-46	10.8	48
74	Oral health in China: from vision to action. <i>International Journal of Oral Science</i> , 2018 , 10, 1	27.9	46
73	Oral microbiota distinguishes acute lymphoblastic leukemia pediatric hosts from healthy populations. <i>PLoS ONE</i> , 2014 , 9, e102116	3.7	44
72	High-resolution X-ray microdiffraction analysis of natural teeth. <i>Journal of Synchrotron Radiation</i> , 2008 , 15, 235-8	2.4	42
71	Triclosan-loaded poly(amido amine) dendrimer for simultaneous treatment and remineralization of human dentine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 115, 237-43	6	39
70	Dentin remineralization in acid challenge environment via PAMAM and calcium phosphate composite. <i>Dental Materials</i> , 2016 , 32, 1429-1440	5.7	39
69	Remineralization of Demineralized Dentin Induced by Amine-Terminated PAMAM Dendrimer. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 107-117	3.9	38
68	Identification and functional analysis of genome mutations in a fluoride-resistant Streptococcus mutans strain. <i>PLoS ONE</i> , 2015 , 10, e0122630	3.7	35

67	Effective dentin restorative material based on phosphate-terminated dendrimer as artificial protein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 128, 304-314	6	34
66	Biomimetic remineralization of human enamel in the presence of polyamidoamine dendrimers in vitro. <i>Caries Research</i> , 2015 , 49, 282-90	4.2	29
65	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
64	Ecological Effect of Arginine on Oral Microbiota. <i>Scientific Reports</i> , 2017 , 7, 7206	4.9	27
63	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
62	Effective dentinal tubule occlusion induced by polyhydroxy-terminated PAMAM dendrimer in vitro. <i>RSC Advances</i> , 2014 , 4, 43496-43503	3.7	26
61	8DSS-promoted remineralization of demineralized dentin in vitro. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6763-6772	7.3	26
60	Candida albicans promotes tooth decay by inducing oral microbial dysbiosis. <i>ISME Journal</i> , 2021 , 15, 894-908	10.5	26
59	Streptococcus mutans copes with heat stress by multiple transcriptional regulons modulating virulence and energy metabolism. <i>Scientific Reports</i> , 2015 , 5, 12929	4.9	25
58	Bio-inspired peptide decorated dendrimers for a robust antibacterial coating on hydroxyapatite. <i>Polymer Chemistry</i> , 2017 , 8, 4264-4279	4.9	24
57	Efficacy of fluorides and CPP-ACP vs fluorides monotherapy on early caries lesions: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2018 , 13, e0196660	3.7	23
56	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
55	One-step phosphorylated poly(amide-amine) dendrimer loaded with apigenin for simultaneous remineralization and antibacterial of dentine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 760-768	6	22
54	Biomimetic mineralization of collagen fibrils induced by amine-terminated PAMAM dendrimers--PAMAM dendrimers for remineralization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 963-74	3.5	21
53	Bioinspired heptapeptides as functionalized mineralization inducers with enhanced hydroxyapatite affinity. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1984-1994	7.3	21
52	Effect of pH on Galla chinensis extract's stability and anti-caries properties in vitro. <i>Archives of Oral Biology</i> , 2012 , 57, 1093-9	2.8	21
51	A GntR Family Transcription Factor in Regulates Biofilm Formation and Expression of Multiple Sugar Transporter Genes. <i>Frontiers in Microbiology</i> , 2018 , 9, 3224	5.7	19
50	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

49	Comparative effect of a stannous fluoride toothpaste and a sodium fluoride toothpaste on a multispecies biofilm. <i>Archives of Oral Biology</i> , 2017 , 74, 5-11	2.8	18
48	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
47	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
46	Bioinspired Peptide-Decorated Tannic Acid for in Situ Remineralization of Tooth Enamel: In Vitro and in Vivo Evaluation. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 3553-3562	5.5	16
45	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
44	Effects of gallic acid on the morphology and growth of hydroxyapatite crystals. <i>Archives of Oral Biology</i> , 2015 , 60, 167-73	2.8	16
43	Effect and Stability of Poly(Amido Amine)-Induced Biomineralization on Dentinal Tubule Occlusion. <i>Materials</i> , 2017 , 10,	3.5	16
42	Investigation of salivary function and oral microbiota of radiation caries-free people with nasopharyngeal carcinoma. <i>PLoS ONE</i> , 2015 , 10, e0123137	3.7	16
41	Enamel remineralization via poly(amido amine) and adhesive resin containing calcium phosphate nanoparticles. <i>Journal of Dentistry</i> , 2020 , 92, 103262	4.8	15
40	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
39	Novel tea polyphenol-modified calcium phosphate nanoparticle and its remineralization potential. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 1525-31	3.5	14
38	8DSS peptide induced effective dentinal tubule occlusion in vitro. <i>Dental Materials</i> , 2018 , 34, 629-640	5.7	14
37	Taxonomic and Functional Analyses of the Supragingival Microbiome from Caries-Affected and Caries-Free Hosts. <i>Microbial Ecology</i> , 2018 , 75, 543-554	4.4	13
36	Effective in situ repair and bacteriostatic material of tooth enamel based on salivary acquired pellicle inspired oligomeric procyanidins. <i>Polymer Chemistry</i> , 2016 , 7, 6761-6769	4.9	13
35	Computer simulations of the adsorption of an N-terminal peptide of statherin, SN15, and its mutants on hydroxyapatite surfaces. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 9342-9351	3.6	12
34	EzrA, a cell shape regulator contributing to biofilm formation and competitiveness in <i>Streptococcus</i> mutans. <i>Molecular Oral Microbiology</i> , 2019 , 34, 194-208	4.6	12
33	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
32	Up-regulation of gasdermin C in mouse small intestine is associated with lytic cell death in enterocytes in worm-induced type 2 immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10

31	Sequential macrophage transition facilitates endogenous bone regeneration induced by Zn-doped porous microcrystalline bioactive glass. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2885-2898	7.3	9
30	Radiation caries in nasopharyngeal carcinoma patients after intensity-modulated radiation therapy: A cross-sectional study. <i>Journal of Dental Sciences</i> , 2016 , 11, 1-7	2.5	8
29	Comparison of Composition and Anticaries Effect of Extracts with Different Isolation Methods. <i>Open Dentistry Journal</i> , 2017 , 11, 447-459	0.8	8
28	The effect of disaggregated nano-hydroxyapatite on oral biofilm in vitro. <i>Dental Materials</i> , 2020 , 36, e207-e216	5.7	7
27	Preparation and characterisation of a gellan gum-based hydrogel enabling osteogenesis and inhibiting <i>Enterococcus faecalis</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2964-2973	3.9	7
26	Comparative analysis of the oral microbiota between iron-deficiency anaemia (IDA) patients and healthy individuals by high-throughput sequencing. <i>BMC Oral Health</i> , 2019 , 19, 255	3.7	7
25	Infection Micromilieu-Activated Nanocatalytic Membrane for Orchestrating Rapid Sterilization and Stalled Chronic Wound Regeneration. <i>Advanced Functional Materials</i> , 2109469	15.6	6
24	Two-in-one strategy: a remineralizing and anti-adhesive coating against demineralized enamel. <i>International Journal of Oral Science</i> , 2020 , 12, 27	27.9	6
23	Erbium Laser Technology vs Traditional Drilling for Caries Removal: A Systematic Review with Meta-Analysis. <i>Journal of Evidence-based Dental Practice</i> , 2017 , 17, 324-334	1.9	5
22	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
21	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
20	Adhesion of <i>Streptococcus mutans</i> on remineralized enamel surface induced by poly(amido amine) dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 197, 111409	6	5
19	Borate bioactive glass prevents zoledronate-induced osteonecrosis of the jaw by restoring osteogenesis and angiogenesis. <i>Oral Diseases</i> , 2020 , 26, 1706-1717	3.5	3
18	Fibroblast membrane-camouflaged nanoparticles for inflammation treatment in the early stage. <i>International Journal of Oral Science</i> , 2021 , 13, 39	27.9	3
17	Effect of Antibacterial Root Canal Sealer on Persistent Apical Periodontitis. <i>Antibiotics</i> , 2021 , 10,	4.9	3
16	The Clinical Potential of Oral Microbiota as a Screening Tool for Oral Squamous Cell Carcinomas. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 728933	5.9	3
15	Non-surgical Removal of Dens Invaginatus in Maxillary Lateral Incisor Using CBCT: Two-year Follow-up Case Report. <i>Open Medicine (Poland)</i> , 2019 , 14, 767-771	2.2	2
14	An injectable gellan gum-based hydrogel that inhibits for infected bone defect repair.. <i>Journal of Materials Chemistry B</i> , 2021 ,	7.3	2

13	Probiotic K12 Alleviates Radiation-Induced Oral Mucositis in Mice. <i>Frontiers in Immunology</i> , 2021 , 12, 684824	8.4	2
12	Mussel-inspired self-assembly engineered implant coatings for synergistic anti-infection and osteogenesis acceleration. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8501-8511	7.3	2
11	A novel anticaries agent, honokiol-loaded poly(amido amine) dendrimer, for simultaneous long-term antibacterial treatment and remineralization of demineralized enamel. <i>Dental Materials</i> , 2021 , 37, 1337-1349	5.7	2
10	TAS2R16 Activation Suppresses LPS-Induced Cytokine Expression in Human Gingival Fibroblasts.. <i>Frontiers in Immunology</i> , 2021 , 12, 726546	8.4	2
9	Gut-Bone Axis: A Non-Negligible Contributor to Periodontitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 752708	5.9	1
8	Core Microbiota Promotes the Development of Dental Caries. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3638	2.6	1
7	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
6	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
5	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
4	FF-ATPase Contributes to the Fluoride Tolerance and Cariogenicity of .. <i>Frontiers in Microbiology</i> , 2021 , 12, 777504	5.7	0
3	Direct composite resin restoration of a class IV fracture by using 3D printing technology: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 555-559	4	0
2	Regulation of Cell Division in Streptococci: Comparing with the Model Rods. <i>Current Issues in Molecular Biology</i> , 2019 , 32, 259-326	2.9	
1	A small molecule II-6s inhibits biofilms. <i>Journal of Oral Microbiology</i> , 2021 , 13, 1978756	6.3	