## Biao Ren

# 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.

28 136 56 3,574 g-index h-index citations papers 4,801 5.94 157 5.7 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
136	Oral microbiota in human systematic diseases International Journal of Oral Science, 2022, 14, 14	27.9	9
135	The dynamic landscape of parasitemia dependent intestinal microbiota shifting and the correlated gut transcriptome during Plasmodium yoelii infection <i>Microbiological Research</i> , <b>2022</b> , 258, 126994	5.3	О
134	The Role of Glycoside Hydrolases in S. gordonii and C. albicans Interactions <i>Applied and Environmental Microbiology</i> , <b>2022</b> , e0011622	4.8	O
133	FF-ATPase Contributes to the Fluoride Tolerance and Cariogenicity of <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 777504	5.7	О
132	The Oral Complications of COVID-19 Frontiers in Molecular Biosciences, <b>2021</b> , 8, 803785	5.6	1
131	Egg yolk immunoglobulin (IgY) targeting SARS-CoV-2 S1 as potential virus entry blocker. <i>Journal of Applied Microbiology</i> , <b>2021</b> ,	4.7	6
130	The Role of Neutrophil Extracellular Traps in Periodontitis. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 639144	5.9	4
129	Core Microbiota Promotes the Development of Dental Caries. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3638	2.6	1
128	The cross-kingdom interaction between Helicobacter pylori and Candida albicans. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009515	7.6	1
127	Synonymous point mutation of gtfB gene caused by therapeutic X-rays exposure reduced the biofilm formation and cariogenic abilities of Streptococcus mutans. <i>Cell and Bioscience</i> , <b>2021</b> , 11, 91	9.8	O
126	Antibacterial polyene-polyol macrolides and cyclic peptides from the marine-derived Streptomyces sp. MS110128. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 4975-4986	5.7	2
125	Genome-guided investigation of anti-inflammatory sesterterpenoids with 5-15 trans-fused ring system from phytopathogenic fungi. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 5407-5417	5.7	2
124	Effect of Antibacterial Root Canal Sealer on Persistent Apical Periodontitis. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	3
123	The Interactions Between and Mucosal Immunity. Frontiers in Microbiology, 2021, 12, 652725	5.7	5
122	Candida albicans promotes tooth decay by inducing oral microbial dysbiosis. ISME Journal, 2021, 15, 89	4-908	26
121	Starvation Survival and Biofilm Formation under Subminimum Inhibitory Concentration of QAMs. <i>BioMed Research International</i> , <b>2021</b> , 2021, 8461245	3	2
120	The two-component signal transduction system and its regulation in. <i>Virulence</i> , <b>2021</b> , 12, 1884-1899	4.7	2

## (2020-2021)

119	Candida albicans CHK1 gene from two-component system is essential for its pathogenicity in oral candidiasis. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 2485-2496	5.7	3	
118	Interactions Between Neutrophils and Periodontal Pathogens in Late-Onset Periodontitis. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 627328	5.9	4	
117	The Interaction Between the Microbiome and Tumors. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 673724	5.9	3	
116	Synergized with to Increase the Pathogenesis and Drug Resistance in Cutaneous Abscess and Peritonitis Murine Models. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	2	
115	The Clinical Potential of Oral Microbiota as a Screening Tool for Oral Squamous Cell Carcinomas. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 728933	5.9	3	
114	Berberine reverses multidrug resistance in Candida albicans by hijacking the drug efflux pump Mdr1p. <i>Science Bulletin</i> , <b>2021</b> , 66, 1895-1905	10.6	5	
113	Artemisinin elevates ergosterol levels of Candida albicans to synergise with amphotericin B against oral candidiasis. <i>International Journal of Antimicrobial Agents</i> , <b>2021</b> , 58, 106394	14.3	2	
112	The Synergistic Effect of Nicotine and on Peri-Implant Infections. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 658380	5.8	1	
111	Anti-bacterial and anti-microbial aging effects of resin-based sealant modified by quaternary ammonium monomers. <i>Journal of Dentistry</i> , <b>2021</b> , 112, 103767	4.8	1	
110	Whole genome sequencing of Enterobacter mori, an emerging pathogen of kiwifruit and the potential genetic adaptation to pathogenic lifestyle. <i>AMB Express</i> , <b>2021</b> , 11, 129	4.1	O	
109	Intelligent pH-responsive dental sealants to prevent long-term microleakage. <i>Dental Materials</i> , <b>2021</b> , 37, 1529-1541	5.7	0	
108	Novel dental implant modifications with two-staged double benefits for preventing infection and promoting osseointegration and. <i>Bioactive Materials</i> , <b>2021</b> , 6, 4568-4579	16.7	1	
107	Applications of CRISPR/Cas gene-editing technology in yeast and fungi <i>Archives of Microbiology</i> , <b>2021</b> , 204, 79	3	1	
106	Anti-caries effect of resin infiltrant modified by quaternary ammonium monomers. <i>Journal of Dentistry</i> , <b>2020</b> , 97, 103355	4.8	13	
105	Saliva is a non-negligible factor in the spread of COVID-19. <i>Molecular Oral Microbiology</i> , <b>2020</b> , 35, 141-1	<b>45</b> .6	85	
104	Promotes Immunoevasion of Oral Cancer by Protecting Cancer from Macrophage Attack. <i>Journal of Immunology</i> , <b>2020</b> , 205, 282-289	5.3	17	
103	Dimethylaminododecyl methacrylate inhibits Candida albicans and oropharyngeal candidiasis in a pH-dependent manner. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 3585-3595	5.7	5	
102	pH-Responsive Antibacterial Resin Adhesives for Secondary Caries Inhibition. <i>Journal of Dental Research</i> , <b>2020</b> , 99, 1368-1376	8.1	9	

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101	Transmission routes of 2019-nCoV and controls in dental practice. <i>International Journal of Oral Science</i> , <b>2020</b> , 12, 9	27.9	960
100	Application of Antibiotics/Antimicrobial Agents on Dental Caries. <i>BioMed Research International</i> , <b>2020</b> , 2020, 5658212	3	21
99	The regulation of hyphae growth in. <i>Virulence</i> , <b>2020</b> , 11, 337-348	4.7	37
98	Subgingival Microbes <b>2020</b> , 145-210		
97	Invasion of Oral Microbiota into the Gut <b>2020</b> , 301-313		
96	New Oral Microbial Isolations <b>2020</b> , 253-286		
95	Supragingival Microbes <b>2020</b> , 81-143		
94	Techniques for Oral Microbiology <b>2020</b> , 25-80		
93	Oral Mucosal Microbes <b>2020</b> , 211-251		
92	The Antibacterial Effects of Quaternary Ammonium Salts in the Simulated Presence of Inhibitors in Root Canals: A Preliminary In-Vitro Study. <i>Coatings</i> , <b>2020</b> , 10, 181	2.9	3
91	Basic Biology of Oral Microbes <b>2020</b> , 1-24		
90	Mycobiome Dysbiosis in Oral Lichen Planus <b>2020</b> , 315-332		1
89	Antibiotic-induced dysbiosis of the rat oral and gut microbiota and resistance to Salmonella. <i>Archives of Oral Biology</i> , <b>2020</b> , 114, 104730	2.8	9
88	The effect of disaggregated nano-hydroxyapatite on oral biofilm in vitro. <i>Dental Materials</i> , <b>2020</b> , 36, e207-e216	5.7	7
87	Advances of Anti-Caries Nanomaterials. <i>Molecules</i> , <b>2020</b> , 25,	4.8	8
86	Generation of Fluorinated Amychelin Siderophores against Pseudomonas aeruginosa Infections by a Combination of Genome Mining and Mutasynthesis. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 1532-1543.e6	8.2	3
85	The microbial coinfection in COVID-19. Applied Microbiology and Biotechnology, 2020, 104, 7777-7785	5.7	98
84	Molecular networking assisted discovery and biosynthesis elucidation of the antimicrobial spiroketals epicospirocins. <i>Chemical Communications</i> , <b>2020</b> , 56, 10171-10174	5.8	6

### (2019-2020)

83	Characterization of anti-BCG benz thraquinones and new siderophores from a Xinjiang desert-isolated rare actinomycete Nocardia sp. XJ31. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 8267-8278	5.7	5
82	Effect of Veillonella parvula on the physiological activity of Streptococcus mutans. <i>Archives of Oral Biology</i> , <b>2020</b> , 109, 104578	2.8	14
81	Two-staged time-dependent materials for the prevention of implant-related infections. <i>Acta Biomaterialia</i> , <b>2020</b> , 101, 128-140	10.8	20
80	Reactive Oxygen Species in Pathogen Clearance: The Killing Mechanisms, the Adaption Response, and the Side Effects. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 622534	5.7	16
79	The inhibitory effect of quaternary ammonium salt on bacteria in root canal. <i>Scientific Reports</i> , <b>2019</b> , 9, 12463	4.9	8
78	Two optimized antimicrobial peptides with therapeutic potential for clinical antibiotic-resistant Staphylococcus aureus. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 183, 111686	6.8	17
77	Fluphenazine antagonizes with fluconazole but synergizes with amphotericin B in the treatment of candidiasis. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 6701-6709	5.7	4
76	Effect of D-cysteine on dual-species biofilms of Streptococcus mutans and Streptococcus sanguinis. <i>Scientific Reports</i> , <b>2019</b> , 9, 6689	4.9	10
75	Oral bacteria colonize and compete with gut microbiota in gnotobiotic mice. <i>International Journal of Oral Science</i> , <b>2019</b> , 11, 10	27.9	29
74	Cross-kingdom interaction of Candida albicans and Actinomyces viscosus elevated cariogenic virulence. <i>Archives of Oral Biology</i> , <b>2019</b> , 100, 106-112	2.8	10
73	Short-Time Antibacterial Effects of Dimethylaminododecyl Methacrylate on Oral Multispecies Biofilm In Vitro. <i>BioMed Research International</i> , <b>2019</b> , 2019, 6393470	3	9
72	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> , <b>2019</b> , 10, 3102	5.7	4
71	induces COX-2-dependent proliferation and malignant transformation in oral keratinocytes. <i>Journal of Oral Microbiology</i> , <b>2019</b> , 11, 1643205	6.3	8
70	A novel antibacterial resin-based root canal sealer modified by Dimethylaminododecyl Methacrylate. <i>Scientific Reports</i> , <b>2019</b> , 9, 10632	4.9	6
69	Salivary mycobiome dysbiosis and its potential impact on bacteriome shifts and host immunity in oral lichen planus. <i>International Journal of Oral Science</i> , <b>2019</b> , 11, 13	27.9	23
68	Effect of Novel Micro-Arc Oxidation Implant Material on Preventing Peri-Implantitis. <i>Coatings</i> , <b>2019</b> , 9, 691	2.9	5
67	Application of Omics and Bioinformatics Tools in Research. <i>Current Issues in Molecular Biology</i> , <b>2019</b> , 32, 327-376	2.9	2
66	Voriconazole inhibits cross-kingdom interactions between Candida albicans and Actinomyces viscosus through the ergosterol pathway. <i>International Journal of Antimicrobial Agents</i> , <b>2019</b> , 53, 805-81	<del>3</del> 4.3	4

65	Influence of bio-aging on corrosion behavior of different implant materials. <i>Clinical Implant Dentistry and Related Research</i> , <b>2019</b> , 21, 1225-1234	3.9	7
64	A novel two-dimensional liquid chromatography - Mass spectrometry method for direct drug impurity identification from HPLC eluent containing ion-pairing reagent in mobile phases. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1049, 105-114	6.6	4
63	Effects of water and microbial-based aging on the performance of three dental restorative materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2018</b> , 80, 42-50	4.1	28
62	Lovastatin synergizes with itraconazole against planktonic cells and biofilms of Candida albicans through the regulation on ergosterol biosynthesis pathway. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 5255-5264	5.7	23
61	Function of alanine racemase in the physiological activity and cariogenicity of Streptococcus mutans. <i>Scientific Reports</i> , <b>2018</b> , 8, 5984	4.9	11
60	Drug resistance of oral bacteria to new antibacterial dental monomer dimethylaminohexadecyl methacrylate. <i>Scientific Reports</i> , <b>2018</b> , 8, 5509	4.9	20
59	ERG3 and ERG11 genes are critical for the pathogenesis of Candida albicans during the oral mucosal infection. <i>International Journal of Oral Science</i> , <b>2018</b> , 10, 9	27.9	20
58	The anti-caries effects of dental adhesive resin influenced by the position of functional groups in quaternary ammonium monomers. <i>Dental Materials</i> , <b>2018</b> , 34, 400-411	5.7	27
57	Research on oral microbiota of monozygotic twins with discordant caries experience - in vitro and in vivo study. <i>Scientific Reports</i> , <b>2018</b> , 8, 7267	4.9	12
56	Evaluation of Novel Anticaries Adhesive in a Secondary Caries Animal Model. <i>Caries Research</i> , <b>2018</b> , 52, 14-21	4.2	13
55	Influence of Dental Prosthesis and Restorative Materials Interface on Oral Biofilms. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	57
54	Synergistic antifungal indolecarbazoles from Streptomyces sp. CNS-42 associated with traditional Chinese medicine Alisma orientale. <i>Journal of Antibiotics</i> , <b>2017</b> , 70, 715-717	3.7	3
53	Formation of persisters in Streptococcus mutans biofilms induced by antibacterial dental monomer. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2017</b> , 28, 178	4.5	15
52	Effect of toothpaste containing arginine on dental plaque-A randomized controlled in situ study. Journal of Dentistry, <b>2017</b> , 67, 88-93	4.8	13
51	Nicotine Enhances Interspecies Relationship between and. <i>BioMed Research International</i> , <b>2017</b> , 2017, 7953920	3	13
50	Do quaternary ammonium monomers induce drug resistance in cariogenic, endodontic and periodontal bacterial species?. <i>Dental Materials</i> , <b>2017</b> , 33, 1127-1138	5.7	37
49	Effects of different substrates/growth media on microbial community of saliva-derived biofilm. <i>FEMS Microbiology Letters</i> , <b>2017</b> , 364,	2.9	18
48	Clotrimazole and econazole inhibit Streptococcus mutans biofilm and virulence in vitro. <i>Archives of Oral Biology</i> , <b>2017</b> , 73, 113-120	2.8	10

## (2014-2017)

47	Anti-Caries Effects of Dental Adhesives Containing Quaternary Ammonium Methacrylates with Different Chain Lengths. <i>Materials</i> , <b>2017</b> , 10,	3.5	24
46	Novel Dental Adhesive with Biofilm-Regulating and Remineralization Capabilities. <i>Materials</i> , <b>2017</b> , 10,	3.5	21
45	Heat-Polymerized Resin Containing Dimethylaminododecyl Methacrylate Inhibits Candida albicans Biofilm. <i>Materials</i> , <b>2017</b> , 10,	3.5	14
44	Anti-Bacteria and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. <i>Molecules</i> , <b>2017</b> , 22,	4.8	14
43	Growth and adherence of Staphylococcus aureus were enhanced through the PGE2 produced by the activated COX-2/PGE2 pathway of infected oral epithelial cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177166	3.7	18
42	Quaternary ammonium-induced multidrug tolerant Streptococcus mutans persisters elevate cariogenic virulence in vitro. <i>International Journal of Oral Science</i> , <b>2017</b> , 9, e7	27.9	13
41	Beauvericin counteracted multi-drug resistant by blocking ABC transporters. <i>Synthetic and Systems Biotechnology</i> , <b>2016</b> , 1, 158-168	4.2	22
40	Anti-MRSA and anti-TB metabolites from marine-derived Verrucosispora sp. MS100047. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 7437-47	5.7	31
39	NLLSS: Predicting Synergistic Drug Combinations Based on Semi-supervised Learning. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004975	5	170
38	Effect of Antimicrobial Denture Base Resin on Multi-Species Biofilm Formation. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	23
37	Novel Cavity Disinfectants Containing Quaternary Ammonium Monomer Dimethylaminododecyl Methacrylate. <i>Materials</i> , <b>2016</b> , 9,	3.5	11
36	d-Alanine metabolism is essential for growth and biofilm formation of Streptococcus mutans. <i>Molecular Oral Microbiology</i> , <b>2016</b> , 31, 435-44	4.6	31
35	A new salicylate synthase AmS is identified for siderophores biosynthesis in Amycolatopsis methanolica 239(T). <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 5895-905	5.7	6
34	Synergistic combinations of antifungals and anti-virulence agents to fight against Candida albicans. <i>Virulence</i> , <b>2015</b> , 6, 362-71	4.7	107
33	Arthrobacter liuii sp. nov., resuscitated from Xinjiang desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2015</b> , 65, 896-901	2.2	14
32	ABC transporters coupled with the elevated ergosterol contents contribute to the azole resistance and amphotericin B susceptibility. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 2609-16	5.7	15
31	Three new sterigmatocystin analogues from marine-derived fungus Aspergillus versicolor MF359. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 3753-8	5.7	40
30	Endophytic Streptomyces sp. Y3111 from traditional Chinese medicine produced antitubercular pluramycins. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 1077-85	5.7	26

Quinazolin-4-one coupled with pyrrolidin-2-iminium alkaloids from marine-derived fungus

Penicillium aurantiogriseum. Marine Drugs, 2012, 10, 1297-306

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#### LIST OF PUBLICATIONS

11	Isolation and structural elucidation of proline-containing cyclopentapeptides from an endolichenic Xylaria sp. <i>Journal of Natural Products</i> , <b>2011</b> , 74, 1303-8	4.9	73	
10	Paenibacillus algorifonticola sp. nov., isolated from a cold spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2011</b> , 61, 2167-2172	2.2	37	
9	Magnetic field is the dominant factor to induce the response of Streptomyces avermitilis in altered gravity simulated by diamagnetic levitation. <i>PLoS ONE</i> , <b>2011</b> , 6, e24697	3.7	18	
8	Yuhushiella deserti gen. nov., sp. nov., a new member of the suborder Pseudonocardineae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2011</b> , 61, 621-630	2.2	28	
7	Bioprospecting microbial natural product libraries from the marine environment for drug discovery. <i>Journal of Antibiotics</i> , <b>2010</b> , 63, 415-22	3.7	77	
6	Verrucisidinol and verrucosidinol acetate, two pyrone-type polyketides isolated from a marine derived fungus, Penicillium aurantiogriseum. <i>Marine Drugs</i> , <b>2010</b> , 8, 2744-54	6	27	
5	Prauserella marina sp. nov., isolated from ocean sediment of the South China Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2010</b> , 60, 985-989	2.2	28	
4	Verrucosispora sediminis sp. nov., a cyclodipeptide-producing actinomycete from deep-sea sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2010</b> , 60, 1807-1812	2.2	35	
3	Trichodermaketones A-D and 7-O-methylkoninginin D from the marine fungus Trichoderma koningii. <i>Journal of Natural Products</i> , <b>2010</b> , 73, 806-10	4.9	74	
2	Production and characterization of a group of bioemulsifiers from the marine Bacillus velezensis strain H3. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1881-93	5.7	40	
1	Amycolatopsis marina sp. nov., an actinomycete isolated from an ocean sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2009</b> , 59, 477-81	2.2	51	