Zezhang T Wen

List of Publications by Year
in descending order

53 papers	3,398 citations	212478 28 h-index	214428 50 g-index
57 all docs	57 docs citations	57 times ranked	3499 citing authors

#	Article	IF	Citations
1	Lactobacilli and human dental caries: more than mechanical retention. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	11
2	Multiple factors are involved in regulation of extracellular membrane vesicle biogenesis in Streptococcus mutans. Molecular Oral Microbiology, 2021, 36, 12-24.	1.3	10
3	Complete Genome Sequence of Streptococcus mutans 27-3, an Active Extracellular Membrane Vesicle Producer. Microbiology Resource Announcements, 2021, 10, e0016621.	0.3	0
4	The Impacts of Sortase A and the 4â€²-Phosphopantetheinyl Transferase Homolog Sfp on Streptococcus mutans Extracellular Membrane Vesicle Biogenesis. Frontiers in Microbiology, 2020, 11, 570219.	1.5	12
5	Azalomycin F5a Eradicates Staphylococcus aureus Biofilm by Rapidly Penetrating and Subsequently Inducing Cell Lysis. International Journal of Molecular Sciences, 2020, 21, 862.	1.8	12
6	Analysis of cariogenic potential of alternative milk beverages by in vitro Streptococcus mutans biofilm model and ex vivo caries model. Archives of Oral Biology, 2019, 105, 52-58.	0.8	11
7	Analysis of Fluoride Content in Alternative Milk Beverages. Journal of Clinical Pediatric Dentistry, 2019, 43, 388-392.	0.5	3
8	Formulation and characterization of antibacterial orthodontic adhesive. Dental Press Journal of Orthodontics, 2019, 24, 73-79.	0.2	13
9	The Biology of Streptococcus mutans. Microbiology Spectrum, 2019, 7, .	1.2	357
10	The Biology ofStreptococcus mutans. , 2019, , 435-448.		16
11	Glycosyltransferase-Mediated Biofilm Matrix Dynamics and Virulence of Streptococcus mutans. Applied and Environmental Microbiology, 2019, 85, .	1.4	68
12	Lipidomic and proteomic evaluation of extracellular membrane vesicles from Streptococcus mutans wildâ€type, Î” srtA and Î” sfp strains. FASEB Journal, 2019, 33, 796.9.	0.2	0
13	Analysis of the Cariogenic Potential of Various Almond Milk Beverages using a Streptococcus mutans Biofilm Model in vitro. Caries Research, 2018, 52, 51-57.	0.9	18
14	Deficiency of MecA in Streptococcus mutans Causes Major Defects in Cell Envelope Biogenesis, Cell Division, and Biofilm Formation. Frontiers in Microbiology, 2018, 9, 2130.	1.5	10
15	Deficiency of BrpA in Streptococcus mutans reduces virulence in rat caries model. Molecular Oral Microbiology, 2018, 33, 353-363.	1.3	17
16	Photo-cross-linked Antibacterial Zein Nanofibers Fabricated by Reactive Electrospinning and its Effects against Streptococcus mutans. Oral Health and Dental Studies, 2018, 1, .	1.6	12
17	Synthesis, antibacterial activity, and biocompatibility of new antibacterial dental monomers. American Journal of Dentistry, 2018, 31, 17B-23B.	0.1	3
18	Expression of BrpA in Streptococcus mutans is regulated by <scp>FNR</scp>â€box mediated repression. Molecular Oral Microbiology, 2017, 32, 517-525.	1.3	2

#	Article	IF	Citations
19	Deficiency of RgpG Causes Major Defects in Cell Division and Biofilm Formation, and Deficiency of LytR-CpsA-Psr Family Proteins Leads to Accumulation of Cell Wall Antigens in Culture Medium by Streptococcus mutans. Applied and Environmental Microbiology, 2017, 83, .	1.4	35
20	Streptococcus mutans Displays Altered Stress Responses While Enhancing Biofilm Formation by Lactobacillus casei in Mixed-Species Consortium. Frontiers in Cellular and Infection Microbiology, 2017, 7, 524.	1.8	23
21	Functional amyloids in Streptococcus mutans, their use as targets of biofilm inhibition and initial characterization of SMU_63c. Microbiology (United Kingdom), 2017, 163, 488-501.	0.7	74
22	Photo-cross-linked Antibacterial Zein Nanofibers Fabricated by Reactive Electrospinning and its Effects against. Oral Health and Dental Studies, 2017, 1, .	1.6	3
23	Transcription factor <scp>R</scp>ex in regulation of pathophysiology in oral pathogens. Molecular Oral Microbiology, 2016, 31, 115-124.	1.3	22
24	Fabrication and characterization of a glucose-sensitive antibacterial chitosanâ€“polyethylene oxide hydrogel. Polymer, 2016, 82, 1-10.	1.8	30
25	Deficiency of PdxR in Streptococcus mutans affects vitamin B₆ metabolism, acid tolerance response and biofilm formation. Molecular Oral Microbiology, 2015, 30, 255-268.	1.3	19
26	PBP1a-Deficiency Causes Major Defects in Cell Division, Growth and Biofilm Formation by Streptococcus mutans. PLoS ONE, 2015, 10, e0124319.	1.1	15
27	Antibacterial Dental Composites with Chlorhexidine and Mesoporous Silica. Journal of Dental Research, 2014, 93, 1283-1289.	2.5	143
28	Deficiency of BrpB causes major defects in cell division, stress responses and biofilm formation by Streptococcus mutans. Microbiology (United Kingdom), 2014, 160, 67-78.	0.7	19
29	Streptococcus mutans Extracellular DNA Is Upregulated during Growth in Biofilms, Actively Released via Membrane Vesicles, and Influenced by Components of the Protein Secretion Machinery. Journal of Bacteriology, 2014, 196, 2355-2366.	1.0	249
30	Psr is involved in regulation of glucan production, and double deficiency of BrpA and Psr is lethal in Streptococcus mutans. Microbiology (United Kingdom), 2013, 159, 493-506.	0.7	25
31	Novel amelogenin-releasing hydrogel for remineralization of enamel artificial caries. Journal of Bioactive and Compatible Polymers, 2012, 27, 585-603.	0.8	37
32	Synthesis and characterization of antibacterial dental monomers and composites. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1151-1162.	1.6	126
33	The Redox-Sensing Regulator Rex Modulates Central Carbon Metabolism, Stress Tolerance Response and Biofilm Formation by Streptococcus mutans. PLoS ONE, 2012, 7, e44766.	1.1	58
34	Transcriptome analysis of LuxSâ€deficient Streptococcus mutans grown in biofilms. Molecular Oral Microbiology, 2011, 26, 2-18.	1.3	58
35	Transcriptional repressor Rex is involved in regulation of oxidative stress response and biofilm formation by Streptococcus mutans. FEMS Microbiology Letters, 2011, 320, 110-117.	0.7	62
36	Biofilm formation and virulence expression by Streptococcus mutans are altered when grown in dual-species model. BMC Microbiology, 2010, 10, 111.	1.3	143

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37	Opportunities for Disrupting Cariogenic Biofilms. Advances in Dental Research, 2009, 21, 17-20.	3.6	18
38	Characteristics of Biofilm Formation byStreptococcus mutansin the Presence of Saliva. Infection and Immunity, 2008, 76, 4259-4268.	1.0	131
39	CcpA Regulates Central Metabolism and Virulence Gene Expression in Streptococcus mutans. Journal of Bacteriology, 2008, 190, 2340-2349.	1.0	174
40	Effects of Oxygen on Virulence Traits of Streptococcus mutans. Journal of Bacteriology, 2007, 189, 8519-8527.	1.0	93
41	Streptococcus mutans: Fructose Transport, Xylitol Resistance, and Virulence. Journal of Dental Research, 2006, 85, 369-373.	2.5	45
42	A novel signal transduction system and feedback loop regulate fructan hydrolase gene expression in Streptococcus mutans. Molecular Microbiology, 2006, 62, 187-200.	1.2	79
43	Different Roles of EIIAB Man and EII Glc in Regulation of Energy Metabolism, Biofilm Development, and Competence in Streptococcus mutans. Journal of Bacteriology, 2006, 188, 3748-3756.	1.0	145
44	Multilevel Control of Competence Development and Stress Tolerance in Streptococcus mutans UA159. Infection and Immunity, 2006, 74, 1631-1642.	1.0	181
45	Influence of BrpA on Critical Virulence Attributes of Streptococcus mutans. Journal of Bacteriology, 2006, 188, 2983-2992.	1.0	120
46	Trigger Factor in Streptococcus mutans Is Involved in Stress Tolerance, Competence Development, and Biofilm Formation. Infection and Immunity, 2005, 73, 219-225.	1.0	115
47	LuxS-Mediated Signaling in Streptococcus mutans Is Involved in Regulation of Acid and Oxidative Stress Tolerance and Biofilm Formation. Journal of Bacteriology, 2004, 186, 2682-2691.	1.0	212
48	RegM is required for optimal fructosyltransferase and glucosyltransferase gene expression inStreptococcus mutans. FEMS Microbiology Letters, 2004, 240, 75-79.	0.7	29
49	Gene Expression in Oral Biofilms. , 2003, , 212-228.		2
50	Analysis of cis- and trans-Acting Factors Involved in Regulation of the Streptococcus mutans Fructanase Gene (fruA). Journal of Bacteriology, 2002, 184, 126-133.	1.0	40
51	Functional Genomics Approach to Identifying Genes Required for Biofilm Development by Streptococcus mutans. Applied and Environmental Microbiology, 2002, 68, 1196-1203.	1.4	217
52	Construction of a New Integration Vector for Use in Streptococcus mutans. Plasmid, 2001, 45, 31-36.	0.4	37
53	Characterization of two operons that encode components of fructose-specific enzyme II of the sugar:phosphotransferase system of Streptococcus mutans. FEMS Microbiology Letters, 2001, 205, 337-342.	0.7	33