

Jin Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,590
citations

304602

22
h-index

243529

44
g-index

53
all docs

53
docs citations

53
times ranked

2529
citing authors

#	ARTICLE	IF	CITATIONS
1	The Exopolysaccharide Matrix Modulates the Interaction between 3D Architecture and Virulence of a Mixed-Species Oral Biofilm. <i>PLoS Pathogens</i> , 2012, 8, e1002623.	2.1	428
2	Exopolysaccharides Produced by <i>Streptococcus mutans</i> Glucosyltransferases Modulate the Establishment of Microcolonies within Multispecies Biofilms. <i>Journal of Bacteriology</i> , 2010, 192, 3024-3032.	1.0	404
3	Role of Glucosyltransferase B in Interactions of <i>Candida albicans</i> with <i>Streptococcus mutans</i> and with an Experimental Pellicle on Hydroxyapatite Surfaces. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6357-6367.	1.4	162
4	<i>Candida albicans</i> and Early Childhood Caries: A Systematic Review and Meta-Analysis. <i>Caries Research</i> , 2018, 52, 102-112.	0.9	139
5	Structural and Molecular Basis of the Role of Starch and Sucrose in <i>Streptococcus mutans</i> Biofilm Development. <i>Applied and Environmental Microbiology</i> , 2009, 75, 837-841.	1.4	128
6	Structural organization and dynamics of exopolysaccharide matrix and microcolonies formation by <i>Streptococcus mutans</i> in biofilms. <i>Journal of Applied Microbiology</i> , 2009, 108, 2103-13.	1.4	120
7	Oral microbiome: possible harbinger for children's health. <i>International Journal of Oral Science</i> , 2020, 12, 12.	3.6	105
8	Association between Oral <i>Candida</i> and Bacteriome in Children with Severe ECC. <i>Journal of Dental Research</i> , 2018, 97, 1468-1476.	2.5	100
9	<i>Candida albicans</i> Carriage in Children with Severe Early Childhood Caries (S-ECC) and Maternal Relatedness. <i>PLoS ONE</i> , 2016, 11, e0164242.	1.1	84
10	The prevalence of tooth discolouration and the self-satisfaction with tooth colour in a Chinese urban population. <i>Journal of Oral Rehabilitation</i> , 2007, 34, 351-360.	1.3	82
11	Prenatal Oral Health Care and Early Childhood Caries Prevention: A Systematic Review and Meta-Analysis. <i>Caries Research</i> , 2019, 53, 411-421.	0.9	78
12	<i>Streptococcus mutans</i> Protein Synthesis during Mixed-Species Biofilm Development by High-Throughput Quantitative Proteomics. <i>PLoS ONE</i> , 2012, 7, e45795.	1.1	74
13	Extracellular Polysaccharides Matrix – An Often Forgotten Virulence Factor in Oral Biofilm Research. <i>International Journal of Oral Science</i> , 2009, 1, 229-234.	3.6	65
14	Activity of quercetin and kaempferol against <i>Streptococcus mutans</i> biofilm. <i>Archives of Oral Biology</i> , 2019, 98, 9-16.	0.8	61
15	Influences of naturally occurring agents in combination with fluoride on gene expression and structural organization of <i>Streptococcus mutans</i> in biofilms. <i>BMC Microbiology</i> , 2009, 9, 228.	1.3	60
16	Influences of trans-farnesol, a membrane-targeting sesquiterpenoid, on <i>Streptococcus mutans</i> physiology and survival within mixed-species oral biofilms. <i>International Journal of Oral Science</i> , 2011, 3, 98-106.	3.6	59
17	Biofilm three-dimensional architecture influences in situ pH distribution pattern on the human enamel surface. <i>International Journal of Oral Science</i> , 2017, 9, 74-79.	3.6	59
18	Effects of <i>Nidus Vespae</i> extract and chemical fractions on glucosyltransferases, adherence and biofilm formation of <i>Streptococcus mutans</i> . <i>Archives of Oral Biology</i> , 2007, 52, 869-875.	0.8	55

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19	Oral microflora and pregnancy: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2021, 11, 16870.	1.6	40
20	Caries Experience in Individuals with Cleft Lip and/or Palate in China. <i>Cleft Palate-Craniofacial Journal</i> , 2010, 47, 43-47.	0.5	28
21	Effects of compounds found in <i>Nidus Vespae</i> on the growth and cariogenic virulence factors of <i>Streptococcus mutans</i> . <i>Microbiological Research</i> , 2012, 167, 61-68.	2.5	27
22	Effects of <i>Nidus Vespae</i> extract and chemical fractions on the growth and acidogenicity of oral microorganisms. <i>Archives of Oral Biology</i> , 2006, 51, 804-813.	0.8	23
23	An Analytical Tool-box for Comprehensive Biochemical, Structural and Transcriptome Evaluation of Oral Biofilms Mediated by Mutans Streptococci. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	22
24	Oral <i>Candida</i> Predicts <i>Streptococcus mutans</i> Emergence in Underserved US Infants. <i>Journal of Dental Research</i> , 2022, 101, 54-62.	2.5	19
25	Success, clinical performance and patient satisfaction of direct fibre-reinforced composite fixed partial dentures – a two-year clinical study. <i>Journal of Oral Rehabilitation</i> , 2015, 42, 906-913.	1.3	18
26	Human genes influence the interaction between <i>Streptococcus mutans</i> and host caries susceptibility: a genome-wide association study in children with primary dentition. <i>International Journal of Oral Science</i> , 2019, 11, 19.	3.6	17
27	Oral health and <i>Candida</i> carriage in socioeconomically disadvantaged US pregnant women. <i>BMC Pregnancy and Childbirth</i> , 2019, 19, 480.	0.9	16
28	Assessing a Smartphone App (AlCaries) That Uses Artificial Intelligence to Detect Dental Caries in Children and Provides Interactive Oral Health Education: Protocol for a Design and Usability Testing Study. <i>JMIR Research Protocols</i> , 2021, 10, e32921.	0.5	14
29	<i>Lactobacillus plantarum</i> Disrupts <i>S. mutans</i> – <i>C. albicans</i> Cross-Kingdom Biofilms. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 872012.	1.8	13
30	Activity of <i>Nidus Vespae</i> extract and chemical fractions against <i>Streptococcus mutans</i> biofilms. <i>Letters in Applied Microbiology</i> , 2007, 45, 547-552.	1.0	11
31	Two-Year Success Rate of Implant-Retained Mandibular Overdentures by Novice General Dentistry Residents. <i>Journal of Oral Implantology</i> , 2015, 41, 268-275.	0.4	11
32	Machine Learning Approach Identified Multi-Platform Factors for Caries Prediction in Child-Mother Dyads. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 727630.	1.8	11
33	Assessment of an Innovative Mobile Dentistry eHygiene Model Amid the COVID-19 Pandemic in the National Dental Practice-Based Research Network: Protocol for Design, Implementation, and Usability Testing. <i>JMIR Research Protocols</i> , 2021, 10, e32345.	0.5	7
34	mDentistry. <i>Journal of the American Dental Association</i> , 2021, 152, 713-716.	0.7	6
35	Identification of Non- <i>Streptococcus mutans</i> Bacteria from Predente Infant Saliva Grown on Mitis-Salivarius-Bacitracin Agar. <i>Journal of Clinical Pediatric Dentistry</i> , 2020, 44, 28-34.	0.5	6
36	Multimodal Data Integration Reveals Mode of Delivery and Snack Consumption Outrank Salivary Microbiome in Association With Caries Outcome in Thai Children. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	6

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37	Artificial intelligence-powered smartphone application, AICaries, improves at-home dental caries screening in children: Moderated and unmoderated usability test. , 2022, 1, e0000046.		6
38	Association of periodontal disease with depression and adverse birth outcomes: Results from the Perinatal database; Finger Lakes region, New York State. PLoS ONE, 2019, 14, e0215440.	1.1	5
39	A Smartphone-Based System for Real-Time Early Childhood Caries Diagnosis. Lecture Notes in Computer Science, 2020, , 233-242.	1.0	5
40	Intergenerational task. Journal of the American Dental Association, 2019, 150, 565-566.	0.7	4
41	Interprofessional collaboration and smartphone use as promising strategies to improve prenatal oral health care utilization among US underserved women: results from a qualitative study. BMC Oral Health, 2020, 20, 333.	0.8	4
42	Training Needs for General Dentistry Residents to Place and Restore Two-Implant-Retained Mandibular Overdentures. Journal of Dental Education, 2015, 79, 72-80.	0.7	2
43	Removable Denture Wearing as a Risk Predictor for Pneumonia Incidence and Time to Event in Older Adults. JDR Clinical and Translational Research, 2021, , 238008442110494.	1.1	2
44	Changes in Candida albicans, Streptococcus mutans and oral health conditions following Prenatal Total Oral Rehabilitation among underserved pregnant women. Heliyon, 2021, 7, e07871.	1.4	1
45	Early Childhood Caries Experience Associated with Upper Respiratory Infection in US Children: Findings from a Retrospective Cohort Study. Journal of Pediatrics & Child Health Care, 2021, 6, .	0.4	1
46	Changes in &i>&i>Candida&i>/i>, Mutans Streptococci and Oral Health Conditions Following Prenatal Total Oral Rehabilitation Among Underserved Pregnant Women. SSRN Electronic Journal, 0, , .	0.4	0
47	Nanotechnology and Delivery System for Bioactive Antibiofilm Dental Materials. , 2020, , 165-197.		0
48	Training needs for general dentistry residents to place and restore two-implant-retained mandibular overdentures. Journal of Dental Education, 2015, 79, 72-80.	0.7	0