Jonathon Baker

List of Publications by Year in descending order

27 papers	1,087 citations	567281 15 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	1649 citing authors

#	Article	IF	Citations
1	Analysis of the Streptococcus mutans Proteome during Acid and Oxidative Stress Reveals Modules of Protein Coexpression and an Expanded Role for the TreR Transcriptional Regulator. MSystems, 2022, 7, e0127221.	3.8	8
2	Complete Genome Sequence of â€œ Candidatus Nanosynbacterâ€•Strain HMT-348_TM7c-JB, a Member of Saccharibacteria Clade G1. Microbiology Resource Announcements, 2022, , e0002322.	0.6	2
3	mucG, mucH, and mucI Modulate Production of Mutanocyclin and Reutericyclins in Streptococcus mutans B04Sm5. Journal of Bacteriology, 2022, 204, e0004222.	2.2	4
4	Deep metagenomics examines the oral microbiome during dental caries, revealing novel taxa and co-occurrences with host molecules. Genome Research, 2021, 31, 64-74.	5.5	59
5	Identification of Bacterial Biosynthetic Gene Associated with Caries. Methods in Molecular Biology, 2021, 2327, 161-189.	0.9	2
6	Complete Genome Sequence of Strain JB001, a Member of Saccharibacteria Clade G6 (â€œ Candidatus) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	3
7	Complete Genomes of Clade G6 Saccharibacteria Suggest a Divergent Ecological Niche and Lifestyle. MSphere, 2021, 6, e0053021.	2.9	9
8	Multi-Omics Study of Keystone Species in a Cystic Fibrosis Microbiome. International Journal of Molecular Sciences, 2021, 22, 12050.	4.1	14
9	Tetramic Acids Mutanocyclin and Reutericyclin A, Produced by Streptococcus mutans Strain B04Sm5 Modulate the Ecology of an in vitro Oral Biofilm. Frontiers in Oral Health, 2021, 2, 796140.	3.0	5
10	Cariogenic Streptococcus mutans Produces Tetramic Acid Strain-Specific Antibiotics That Impair Commensal Colonization. ACS Infectious Diseases, 2020, 6, 563-571.	3.8	40
11	Composite Long- and Short-Read Sequencing Delivers a Complete Genome Sequence of B04Sm5, a Reutericyclin- and Mutanocyclin-Producing Strain of Streptococcus mutans. Microbiology Resource Announcements, 2020, 9, .	0.6	9
12	Development of a Bacteriophage Cocktail to Constrain the Emergence of Phage-Resistant Pseudomonas aeruginosa. Frontiers in Microbiology, 2020, 11, 327.	3.5	92
13	Streptococcus mutans SpxA2 relays the signal of cell envelope stress from LiaR to effectors that maintain cell wall and membrane homeostasis. Molecular Oral Microbiology, 2020, 35, 118-128.	2.7	10
14	Caries-Associated Biosynthetic Gene Clusters in Streptococcus mutans. Journal of Dental Research, 2020, 99, 969-976.	5.2	13
15	Precision Reengineering of the Oral Microbiome for Caries Management. Advances in Dental Research, 2019, 30, 34-39.	3.6	20
16	Identification of the Bacterial Biosynthetic Gene Clusters of the Oral Microbiome Illuminates the Unexplored Social Language of Bacteria during Health and Disease. MBio, 2019, 10, .	4.1	73
17	Klebsiella and Providencia emerge as lone survivors following long-term starvation of oral microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8499-8504.	7.1	30
18	Characterization of the Trehalose Utilization Operon in Streptococcus mutans Reveals that the TreR Transcriptional Regulator Is Involved in Stress Response Pathways and Toxin Production. Journal of Bacteriology, 2018, 200, .	2.2	24

#	Article	IF	Citations
19	Exploiting the Oral Microbiome to Prevent Tooth Decay: Has Evolution Already Provided the Best Tools?. Frontiers in Microbiology, 2018, 9, 3323.	3.5	70
20	Acidâ€adaptive mechanisms of Streptococcus mutansâ€“the more we know, the more we don't. Molecular Oral Microbiology, 2017, 32, 107-117.	2.7	75
21	Ecology of the Oral Microbiome: Beyond Bacteria. Trends in Microbiology, 2017, 25, 362-374.	7.7	222
22	A Modified Chromogenic Assay for Determination of the Ratio of Free Intracellular NAD+/NADH in Streptococcus mutans. Bio-protocol, 2016, 6, .	0.4	9
23	Transcriptional profile of glucoseâ€shocked and acidâ€adapted strains of Streptococcus mutans. Molecular Oral Microbiology, 2015, 30, 496-517.	2.7	27
24	Loss of NADH Oxidase Activity in Streptococcus mutans Leads to Rex-Mediated Overcompensation in NAD ⁺ Regeneration by Lactate Dehydrogenase. Journal of Bacteriology, 2015, 197, 3645-3657.	2.2	23
25	Streptococcus mutans NADH Oxidase Lies at the Intersection of Overlapping Regulons Controlled by Oxygen and NAD ⁺ Levels. Journal of Bacteriology, 2014, 196, 2166-2177.	2.2	54
26	Development and comparison of a quantitative TaqMan-MGB real-time PCR assay to three other methods of quantifying vaccinia virions. Journal of Virological Methods, 2014, 196, 126-132.	2.1	23
27	Host Factor SAMHD1 Restricts DNA Viruses in Non-Dividing Myeloid Cells. PLoS Pathogens, 2013, 9, e1003481.	4.7	151