Robert G Quivey Jr

List of Publications by Year
in descending order

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45	2,325	236925	243625
papers	citations	25 h-index	44 g-index

47	47	47	2023
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shifts in the Membrane Fatty Acid Profile ofStreptococcus mutansEnhance Survival in Acidic Environments. Applied and Environmental Microbiology, 2004, 70, 929-936.	3.1	189
2	Streptococcus mutans: a new Gram-positive paradigm?. Microbiology (United Kingdom), 2013, 159, 436-445.	1.8	174
3	Adaptation of oral streptococci to low pH. Advances in Microbial Physiology, 2000, 42, 239-274.	2.4	124
4	The fabM Gene Product of Streptococcus mutans Is Responsible for the Synthesis of Monounsaturated Fatty Acids and Is Necessary for Survival at Low pH. Journal of Bacteriology, 2004, 186, 4152-4158.	2.2	111
5	Genetics of Acid Adaptation in Oral Streptococci. Critical Reviews in Oral Biology and Medicine, 2001, 12, 301-314.	4.4	109
6	Two Spx Proteins Modulate Stress Tolerance, Survival, and Virulence inStreptococcus mutans. Journal of Bacteriology, 2010, 192, 2546-2556.	2.2	109
7	Low pH-induced membrane fatty acid alterations in oral bacteria. FEMS Microbiology Letters, 2004, 238, 291-295.	1.8	107
8	Shifts in membrane fatty acid profiles associated with acid adaptation ofStreptococcus mutans. FEMS Microbiology Letters, 2000, 189, 89-92.	1.8	105
9	The putative autolysin regulator LytR in Streptococcus mutans plays a role in cell division and is growth-phase regulated. Microbiology (United Kingdom), 2005, 151, 625-631.	1.8	91
10	Role of Clp Proteins in Expression of Virulence Properties ofStreptococcus mutans. Journal of Bacteriology, 2009, 191, 2060-2068.	2.2	84
11	Candida albicans Carriage in Children with Severe Early Childhood Caries (S-ECC) and Maternal Relatedness. PLoS ONE, 2016, 11, e0164242.	2.5	84
12	The F-ATPase Operon Promoter of Streptococcus mutans Is Transcriptionally Regulated in Response to External pH. Journal of Bacteriology, 2004, 186, 8524-8528.	2.2	82
13	The Branched-Chain Amino Acid Aminotransferase Encoded by ilvE Is Involved in Acid Tolerance in Streptococcus mutans. Journal of Bacteriology, 2012, 194, 2010-2019.	2.2	78
14	Acid adaptation inStreptococcus mutansUA159 alleviates sensitization to environmental stress due to RecA deficiency. FEMS Microbiology Letters, 1995, 126, 257-262.	1.8	77
15	Extracellular DNA and lipoteichoic acids interact with exopolysaccharides in the extracellular matrix of Streptococcus mutans biofilms. Biofouling, 2017, 33, 722-740.	2.2	63
16	Low pH-induced membrane fatty acid alterations in oral bacteria. FEMS Microbiology Letters, 2004, 238, 291-295.	1.8	60
17	Role of Unsaturated Fatty Acid Biosynthesis in Virulence of Streptococcus mutans. Infection and Immunity, 2007, 75, 1537-1539.	2.2	58
18	Cloning and nucleotide sequence analysis of the Streptococcus mutans membrane-bound, proton-translocating ATPase operon. Gene, 1996, 183, 87-96.	2.2	51

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19	Mutation of the NADH Oxidase Gene (nox) Reveals an Overlap of the Oxygen- and Acid-Mediated Stress Responses in Streptococcus mutans. Applied and Environmental Microbiology, 2012, 78, 1215-1227.	3.1	46
20	Genetic and Biochemical Characterization of the F-ATPase Operon from S treptococcus sanguis 10904. Journal of Bacteriology, 2003, 185, 1525-1533.	2.2	45
21	Alkali production associated with malolactic fermentation by oral streptococci and protection against acid, oxidative, or starvation damage. Canadian Journal of Microbiology, 2010, 56, 539-547.	1.7	45
22	[33] Physiologic homeostasis and stress responses in oral biofilms. Methods in Enzymology, 1999, 310, 441-460.	1.0	38
23	In vivo inactivation of the Streptococcus mutans recA gene mediated by PCR amplification and cloning of a recA DNA fragment. Gene, 1992, 116, 35-42.	2.2	31
24	Vitamin D Compounds Are Bactericidal against Streptococcus mutans and Target the Bacitracin-Associated Efflux System. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	31
25	Cardiolipin biosynthesis in Streptococcus mutans is regulated in response to external pH. Microbiology (United Kingdom), 2012, 158, 2133-2143.	1.8	30
26	Diverted Total Synthesis of Carolacton-Inspired Analogs Yields Three Distinct Phenotypes in Streptococcus mutans Biofilms. Journal of the American Chemical Society, 2017, 139, 7188-7191.	13.7	27
27	Streptococcus mutans requires mature rhamnoseâ€glucose polysaccharides for proper pathophysiology, morphogenesis and cellular division. Molecular Microbiology, 2019, 112, 944-959.	2.5	27
28	The Streptococcus mutans Aminotransferase Encoded by ilvE Is Regulated by CodY and CcpA. Journal of Bacteriology, 2013, 195, 3552-3562.	2.2	24
29	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
30	A Drug Repositioning Approach Reveals that Streptococcus mutans Is Susceptible to a Diverse Range of Established Antimicrobials and Nonantibiotics. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	23
31	Polymerase chain reaction amplification, cloning, sequence determination and homologies of streptococcal ATPase-encoding DNAs. Gene, 1991, 97, 63-68.	2.2	22
32	Î²-Phosphoglucomutase contributes to aciduricity in Streptococcus mutans. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	18
33	Inactivation of Streptococcus mutans genes lytST and dltAD impairs its pathogenicity in vivo. Journal of Oral Microbiology, 2019, 11, 1607505.	2.7	18
34	Role of DNA base excision repair in the mutability and virulence of Streptococcus mutans. Molecular Microbiology, 2012, 85, 361-377.	2.5	17
35	Deficiency of BrpA in Streptococcus mutans reduces virulence in rat caries model. Molecular Oral Microbiology, 2018, 33, 353-363.	2.7	17
36	Smx Nuclease Is the Major, Low-pH-Inducible Apurinic/Apyrimidinic Endonuclease in Streptococcus mutans. Journal of Bacteriology, 2005, 187, 2705-2714.	2.2	15

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37	Disruption of <scp>l</scp> -Rhamnose Biosynthesis Results in Severe Growth Defects in Streptococcus mutans. Journal of Bacteriology, 2020, 202, .	2.2	14
38	What Are We Learning and What Can We Learn from the Human Oral Microbiome Project?. Current Oral Health Reports, 2016, 3, 56-63.	1.6	12
39	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
40	A Modified Chromogenic Assay for Determination of the Ratio of Free Intracellular NAD+/NADH in Streptococcus mutans. Bio-protocol, 2016, 6, .	0.4	9
41	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
42	Responses of Lactic Acid Bacteria to Acid Stress. , 2011, , 23-53.		7
43	PlsX deletion impacts fatty acid synthesis and acid adaptation in Streptococcus mutans. Microbiology (United Kingdom), 2016, 162, 662-671.	1.8	5
44	Prediction of early childhood caries onset and oral microbiota. Molecular Oral Microbiology, 2021, 36, 255-257.	2.7	3
45	Use of proteomics and PCR to elucidate changes in protein expression in oral streptococci. Cytotechnology, 1998, 20, 165-179.	0.7	2