Robert G Quivey Jr

List of Publications by Year
in descending order

45 papers	2,325 citations	236925 25 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	2023 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	Prediction of early childhood caries onset and oral microbiota. Molecular Oral Microbiology, 2021, 36, 255-257.	2.7	3
3	<i>Streptococcus mutans</i> 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
4	Disruption of <scp>l</scp> -Rhamnose Biosynthesis Results in Severe Growth Defects in Streptococcus mutans. Journal of Bacteriology, 2020, 202, .	2.2	14
5	<i>Streptococcus mutans</i> requires mature rhamnoseâ€glucose polysaccharides for proper pathophysiology, morphogenesis and cellular division. Molecular Microbiology, 2019, 112, 944-959.	2.5	27
6	Inactivation of Streptococcus mutans genes lytST and dltAD impairs its pathogenicity in vivo. Journal of Oral Microbiology, 2019, 11, 1607505.	2.7	18
7	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
8	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
9	Vitamin D Compounds Are Bactericidal against Streptococcus mutans and Target the Bacitracin-Associated Efflux System. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	31
10	Deficiency of BrpA in <i>Streptococcus mutans</i> reduces virulence in rat caries model. Molecular Oral Microbiology, 2018, 33, 353-363.	2.7	17
11	Diverted Total Synthesis of Carolacton-Inspired Analogs Yields Three Distinct Phenotypes in <i>Streptococcus mutans</i> Biofilms. Journal of the American Chemical Society, 2017, 139, 7188-7191.	13.7	27
12	Extracellular DNA and lipoteichoic acids interact with exopolysaccharides in the extracellular matrix of <i>Streptococcus mutans</i> biofilms. Biofouling, 2017, 33, 722-740.	2.2	63
13	Candida albicans Carriage in Children with Severe Early Childhood Caries (S-ECC) and Maternal Relatedness. PLoS ONE, 2016, 11, e0164242.	2.5	84
14	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
15	PlsX deletion impacts fatty acid synthesis and acid adaptation in Streptococcus mutans. Microbiology (United Kingdom), 2016, 162, 662-671.	1.8	5
16	A Modified Chromogenic Assay for Determination of the Ratio of Free Intracellular NAD+/NADH in Streptococcus mutans. Bio-protocol, 2016, 6, .	0.4	9
17	Î2-Phosphoglucomutase contributes to aciduricity in Streptococcus mutans. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	18
18	Streptococcus mutans: a new Gram-positive paradigm?. Microbiology (United Kingdom), 2013, 159, 436-445.	1.8	174

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19	The Streptococcus mutans Aminotransferase Encoded by ilvE Is Regulated by CodY and CcpA. Journal of Bacteriology, 2013, 195, 3552-3562.	2.2	24
20	The Branched-Chain Amino Acid Aminotransferase Encoded by <i>ilvE</i> Is Involved in Acid Tolerance in Streptococcus mutans. Journal of Bacteriology, 2012, 194, 2010-2019.	2.2	78
21	Mutation of the NADH Oxidase Gene (<i>nox</i>) 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
22	Cardiolipin biosynthesis in Streptococcus mutans is regulated in response to external pH. Microbiology (United Kingdom), 2012, 158, 2133-2143.	1.8	30
23	Role of DNA base excision repair in the mutability and virulence of <i>Streptococcus mutans</i>. Molecular Microbiology, 2012, 85, 361-377.	2.5	17
24	Responses of Lactic Acid Bacteria to Acid Stress. , 2011, , 23-53.		7
25	Two Spx Proteins Modulate Stress Tolerance, Survival, and Virulence in<i>Streptococcus mutans</i>. Journal of Bacteriology, 2010, 192, 2546-2556.	2.2	109
26	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
27	Role of Clp Proteins in Expression of Virulence Properties of<i>Streptococcus mutans</i>. Journal of Bacteriology, 2009, 191, 2060-2068.	2.2	84
28	Role of Unsaturated Fatty Acid Biosynthesis in Virulence of Streptococcus mutans. Infection and Immunity, 2007, 75, 1537-1539.	2.2	58
29	Smx Nuclease Is the Major, Low-pH-Inducible Apurinic/Apyrimidinic Endonuclease in Streptococcus mutans. Journal of Bacteriology, 2005, 187, 2705-2714.	2.2	15
30	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
31	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
32	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
33	Shifts in the Membrane Fatty Acid Profile of<i>Streptococcus mutans</i>Enhance Survival in Acidic Environments. Applied and Environmental Microbiology, 2004, 70, 929-936.	3.1	189
34	Low pH-induced membrane fatty acid alterations in oral bacteria. FEMS Microbiology Letters, 2004, 238, 291-295.	1.8	107
35	Low pH-induced membrane fatty acid alterations in oral bacteria. FEMS Microbiology Letters, 2004, 238, 291-295.	1.8	60
36	Genetic and Biochemical Characterization of the F-ATPase Operon from S treptococcus sanguis 10904. Journal of Bacteriology, 2003, 185, 1525-1533.	2.2	45

#	Article	IF	Citations
37	Genetics of Acid Adaptation in Oral Streptococci. Critical Reviews in Oral Biology and Medicine, 2001, 12, 301-314.	4.4	109
38	Shifts in membrane fatty acid profiles associated with acid adaptation of<i>Streptococcus mutans</i>. FEMS Microbiology Letters, 2000, 189, 89-92.	1.8	105
39	Adaptation of oral streptococci to low pH. Advances in Microbial Physiology, 2000, 42, 239-274.	2.4	124
40	[33] Physiologic homeostasis and stress responses in oral biofilms. Methods in Enzymology, 1999, 310, 441-460.	1.0	38
41	Use of proteomics and PCR to elucidate changes in protein expression in oral streptococci. Cytotechnology, 1998, 20, 165-179.	0.7	2
42	Cloning and nucleotide sequence analysis of the Streptococcus mutans membrane-bound, proton-translocating ATPase operon. Gene, 1996, 183, 87-96.	2.2	51
43	Acid adaptation inStreptococcus mutansUA159 alleviates sensitization to environmental stress due to RecA deficiency. FEMS Microbiology Letters, 1995, 126, 257-262.	1.8	77
44	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
45	Polymerase chain reaction amplification, cloning, sequence determination and homologies of streptococcal ATPase-encoding DNAs. Gene, 1991, 97, 63-68.	2.2	22