Robert A Burne

List of Publications by Year
in descending order

207 papers	13,557 citations	16791 66 h-index	34195 103 g-index
235 all docs	235 docs citations	235 times ranked	8809 citing authors

#	Article	IF	Citations
1	Testing of candidate probiotics to prevent dental caries induced by Streptococcus mutans in a mouse model. Journal of Applied Microbiology, 2022, 132, 3853-3869.	1.4	3
2	Manganese transport by <i>Streptococcus sanguinis</i> in acidic conditions and its impact on growth in vitro and in vivo. Molecular Microbiology, 2022, 117, 375-393.	1.2	7
3	The <i>fruB</i> Gene of Streptococcus mutans Encodes an Endo-Levanase That Enhances Growth on Levan and Influences Global Gene Expression. Microbiology Spectrum, 2022, , e0052222.	1.2	2
4	Optimization and Evaluation of the 30S-S11 rRNA Gene for Taxonomic Profiling of Oral Streptococci. Applied and Environmental Microbiology, 2022, 88, .	1.4	7
5	Direct interactions with commensal streptococci modify intercellular communication behaviors of <i>Streptococcus mutans</i>. ISME Journal, 2021, 15, 473-488.	4.4	18
6	Molecular mechanisms controlling fructoseâ€specific memory and catabolite repression in lactose metabolism by <i>Streptococcus mutans</i>. Molecular Microbiology, 2021, 115, 70-83.	1.2	10
7	<i>In Vivo</i> Colonization with Candidate Oral Probiotics Attenuates Streptococcus mutans Colonization and Virulence. Applied and Environmental Microbiology, 2021, 87, .	1.4	13
8	Subpopulation behaviors in lactose metabolism by <i>Streptococcus mutans</i>. Molecular Microbiology, 2021, 115, 58-69.	1.2	1
9	The Route of Sucrose Utilization by Streptococcus mutans Affects Intracellular Polysaccharide Metabolism. Frontiers in Microbiology, 2021, 12, 636684.	1.5	17
10	A single system detects and protects the beneficial oral bacterium <i>Streptococcus</i> sp. A12 from a spectrum of antimicrobial peptides. Molecular Microbiology, 2021, 116, 211-230.	1.2	4
11	Mutanofactin promotes adhesion and biofilm formation of cariogenic Streptococcus mutans. Nature Chemical Biology, 2021, 17, 576-584.	3.9	28
12	Spontaneous Mutants of Streptococcus sanguinis with Defects in the Glucose-Phosphotransferase System Show Enhanced Post-Exponential-Phase Fitness. Journal of Bacteriology, 2021, 203, e0037521.	1.0	6
13	Amino Sugars Reshape Interactions between Streptococcus mutans and Streptococcus gordonii. Applied and Environmental Microbiology, 2020, 87, .	1.4	6
14	Repurposing the Streptococcus mutansÂCRISPR-Cas9 System to Understand Essential Gene Function. PLoS Pathogens, 2020, 16, e1008344.	2.1	39
15	Site-Specific Profiling of the Dental Mycobiome Reveals Strong Taxonomic Shifts during Progression of Early-Childhood Caries. Applied and Environmental Microbiology, 2020, 86, .	1.4	34
16	Peptides encoded in the Streptococcus mutans RcrRPQ operon are essential for thermotolerance. Microbiology (United Kingdom), 2020, 166, 306-317.	0.7	2
17	Carbohydrate and PepO control bimodality in competence development by <i>Streptococcus mutans</i>. Molecular Microbiology, 2019, 112, 1388-1402.	1.2	17
18	Novel Probiotic Mechanisms of the Oral Bacterium <i>Streptococcus</i> sp. A12 as Explored with Functional Genomics. Applied and Environmental Microbiology, 2019, 85, .	1.4	20

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19	Metabolic Profile of Supragingival Plaque Exposed to Arginine and Fluoride. Journal of Dental Research, 2019, 98, 1245-1252.	2.5	28
20	Fluorescence Tools Adapted for Real-Time Monitoring of the Behaviors of <i>Streptococcus</i> Species. Applied and Environmental Microbiology, 2019, 85, .	1.4	23
21	Arginine Metabolism in Supragingival Oral Biofilms as a Potential Predictor of Caries Risk. JDR Clinical and Translational Research, 2019, 4, 262-270.	1.1	21
22	Spontaneously Arising Streptococcus mutans Variants with Reduced Susceptibility to Chlorhexidine Display Genetic Defects and Diminished Fitness. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	19
23	Amino Sugars Modify Antagonistic Interactions between Commensal Oral Streptococci and <i>Streptococcus mutans</i>. Applied and Environmental Microbiology, 2019, 85, .	1.4	25
24	Essential Roles of the <i>sppRA</i> Fructose-Phosphate Phosphohydrolase Operon in Carbohydrate Metabolism and Virulence Expression by <i>Streptococcus mutans</i>. Journal of Bacteriology, 2019, 201, .	1.0	13
25	Genomewide Identification of Essential Genes and Fitness Determinants of Streptococcus mutans UA159. MSphere, 2018, 3, .	1.3	47
26	Getting to Know â€œThe Known Unknownsâ€ Heterogeneity in the Oral Microbiome. Advances in Dental Research, 2018, 29, 66-70.	3.6	29
27	Diversity in Antagonistic Interactions between Commensal Oral Streptococci and Streptococcus mutans. Caries Research, 2018, 52, 88-101.	0.9	81
28	Oral Biofilms: Pathogens, Matrix, and Polymicrobial Interactions in Microenvironments. Trends in Microbiology, 2018, 26, 229-242.	3.5	600
29	Genome-Wide Screens Reveal New Gene Products That Influence Genetic Competence in Streptococcus mutans. Journal of Bacteriology, 2018, 200, .	1.0	18
30	Differential oxidative stress tolerance ofStreptococcus mutansisolates affects competition in an ecological mixedâ€species biofilm model. Environmental Microbiology Reports, 2018, 10, 12-22.	1.0	36
31	Species Designations Belie Phenotypic and Genotypic Heterogeneity in Oral Streptococci. MSystems, 2018, 3, .	1.7	45
32	Intracellular Signaling by the <i>comRS</i> System in <i>Streptococcus mutans</i> Genetic Competence. MSphere, 2018, 3, .	1.3	32
33	Preferred Hexoses Influence Long-Term Memory in and Induction of Lactose Catabolism by Streptococcus mutans. Applied and Environmental Microbiology, 2018, 84, .	1.4	13
34	Threshold regulation and stochasticity from the MecA/ClpCP proteolytic system in <i>Streptococcus mutans</i> competence. Molecular Microbiology, 2018, 110, 914-930.	1.2	7
35	Competence inhibition by the XrpA peptide encoded within the <i>comX</i> gene of <i>Streptococcus mutans</i>. Molecular Microbiology, 2018, 109, 345-364.	1.2	19
36	CcpA and CodY Coordinate Acetate Metabolism in Streptococcus mutans. Applied and Environmental Microbiology, 2017, 83, .	1.4	31

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37	Microbiomes of Site-Specific Dental Plaques from Children with Different Caries Status. Infection and Immunity, 2017, 85, .	1.0	141
38	Effects of Arginine on Streptococcus mutans Growth, Virulence Gene Expression, and Stress Tolerance. Applied and Environmental Microbiology, 2017, 83, .	1.4	47
39	Coordinated Regulation of the EII ^{Man} and <i>fruRKI</i> Operons of Streptococcus mutans by Global and Fructose-Specific Pathways. Applied and Environmental Microbiology, 2017, 83, .	1.4	30
40	Intercellular Communication via the <i>comX</i> -Inducing Peptide (XIP) of Streptococcus mutans. Journal of Bacteriology, 2017, 199, .	1.0	22
41	Oxidative Stressors Modify the Response of Streptococcus mutans to Its Competence Signal Peptides. Applied and Environmental Microbiology, 2017, 83, .	1.4	23
42	RNA-Seq Reveals Enhanced Sugar Metabolism in Streptococcus mutans Co-cultured with Candida albicans within Mixed-Species Biofilms. Frontiers in Microbiology, 2017, 8, 1036.	1.5	71
43	Growth of Streptococcus mutans in Biofilms Alters Peptide Signaling at the Sub-population Level. Frontiers in Microbiology, 2016, 7, 1075.	1.5	22
44	An Essential Role for (p)ppGpp in the Integration of Stress Tolerance, Peptide Signaling, and Competence Development in Streptococcus mutans. Frontiers in Microbiology, 2016, 7, 1162.	1.5	33
45	Effects of Carbohydrate Source on Genetic Competence in Streptococcus mutans. Applied and Environmental Microbiology, 2016, 82, 4821-4834.	1.4	38
46	Amino Sugars Enhance the Competitiveness of Beneficial Commensals with Streptococcus mutans through Multiple Mechanisms. Applied and Environmental Microbiology, 2016, 82, 3671-3682.	1.4	27
47	A Highly Arginolytic Streptococcus Species That Potently Antagonizes Streptococcus mutans. Applied and Environmental Microbiology, 2016, 82, 2187-2201.	1.4	109
48	Sucrose- and Fructose-Specific Effects on the Transcriptome of Streptococcus mutans, as Determined by RNA Sequencing. Applied and Environmental Microbiology, 2016, 82, 146-156.	1.4	34
49	Postâ€transcriptional regulation by distal <scp>S</scp>hineâ€<scp>D</scp>algarno sequences in the <i>grp</i><scp><i>E</i></scp>â€<i>dna</i><scp><i>K</i></scp> intergenic region of <scp><i>S</i></scp><i>treptococcus mutans</i>. Molecular Microbiology, 2015, 98, 302-317.	1.2	4
50	Pluronics-Formulated Farnesol Promotes Efficient Killing and Demonstrates Novel Interactions with Streptococcus mutans Biofilms. PLoS ONE, 2015, 10, e0133886.	1.1	15
51	Genetics and Physiology of Acetate Metabolism by the Pta-Ack Pathway of Streptococcus mutans. Applied and Environmental Microbiology, 2015, 81, 5015-5025.	1.4	29
52	Bidirectional signaling in the competence regulatory pathway ofStreptococcus mutans. FEMS Microbiology Letters, 2015, 362, fnv159.	0.7	35
53	A unique open reading frame within the <scp><i>comX</i></scp> gene of <scp><i>S</i></scp><i>treptococcus mutans</i> regulates genetic competence and oxidative stress tolerance. Molecular Microbiology, 2015, 96, 463-482.	1.2	33
54	The Streptococcus mutans irvA Gene Encodes a trans -Acting Riboregulatory mRNA. Molecular Cell, 2015, 57, 179-190.	4.5	45

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55	Characterization of the Arginolytic Microflora Provides Insights into pH Homeostasis in Human Oral Biofilms. Caries Research, 2015, 49, 165-176.	0.9	58
56	Sharply Tuned pH Response of Genetic Competence Regulation in Streptococcus mutans: a Microfluidic Study of the Environmental Sensitivity of <i>comX</i>. Applied and Environmental Microbiology, 2015, 81, 5622-5631.	1.4	46
57	NagR Differentially Regulates the Expression of the <i>glmS</i> and <i>nagAB</i> Genes Required for Amino Sugar Metabolism by Streptococcus mutans. Journal of Bacteriology, 2015, 197, 3533-3544.	1.0	31
58	Conserved and divergent functions of RcrRPQ inStreptococcus gordoniiandS. mutans. FEMS Microbiology Letters, 2015, 362, fnv119.	0.7	6
59	Regulation of competence and gene expression in <i>Streptococcus mutans</i> by the RcrR transcriptional regulator. Molecular Oral Microbiology, 2015, 30, 147-159.	1.3	16
60	The pH-Dependent Expression of the Urease Operon in Streptococcus salivarius Is Mediated by CodY. Applied and Environmental Microbiology, 2014, 80, 5386-5393.	1.4	27
61	The effect of arginine on oral biofilm communities. Molecular Oral Microbiology, 2014, 29, 45-54.	1.3	96
62	Modification of Gene Expression and Virulence Traits in Streptococcus mutans in Response to Carbohydrate Availability. Applied and Environmental Microbiology, 2014, 80, 972-985.	1.4	54
63	Phylogenomics and the Dynamic Genome Evolution of the Genus Streptococcus. Genome Biology and Evolution, 2014, 6, 741-753.	1.1	149
64	Uptake and Metabolism of <i>N</i> -Acetylglucosamine and Glucosamine by Streptococcus mutans. Applied and Environmental Microbiology, 2014, 80, 5053-5067.	1.4	82
65	Caries Prevention by Arginine Metabolism in Oral Biofilms: Translating Science into Clinical Success. Current Oral Health Reports, 2014, 1, 79-85.	0.5	26
66	Discovery of Novel Peptides Regulating Competence Development in Streptococcus mutans. Journal of Bacteriology, 2014, 196, 3735-3745.	1.0	35
67	Growth Phase and pH Influence Peptide Signaling for Competence Development in Streptococcus mutans. Journal of Bacteriology, 2014, 196, 227-236.	1.0	47
68	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
69	Fueling the caries process: carbohydrate metabolism and gene regulation by<i>Streptococcus mutans</i>. Journal of Oral Microbiology, 2014, 6, 24878.	1.2	126
70	A galactoseâ€specific sugar:Âphosphotransferase permease is prevalent in the nonâ€core genome of <i><scp>S</scp>treptococcus mutans</i>. Molecular Oral Microbiology, 2013, 28, 292-301.	1.3	24
71	Oral Arginine Metabolism May Decrease the Risk for Dental Caries in Children. Journal of Dental Research, 2013, 92, 604-608.	2.5	76
72	Evolutionary and Population Genomics of the Cavity Causing Bacteria Streptococcus mutans. Molecular Biology and Evolution, 2013, 30, 881-893.	3.5	168

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73	Core-Gene-Encoded Peptide Regulating Virulence-Associated Traits in Streptococcus mutans. Journal of Bacteriology, 2013, 195, 2912-2920.	1.0	22
74	Comprehensive Mutational Analysis of Sucrose-Metabolizing Pathways in Streptococcus mutans Reveals Novel Roles for the Sucrose Phosphotransferase System Permease. Journal of Bacteriology, 2013, 195, 833-843.	1.0	49
75	Gene Regulation by CcpA and Catabolite Repression Explored by RNA-Seq in Streptococcus mutans. PLoS ONE, 2013, 8, e60465.	1.1	74
76	Phenotypic Heterogeneity of Genomically-Diverse Isolates of Streptococcus mutans. PLoS ONE, 2013, 8, e61358.	1.1	87
77	The effect of arginine on oral biofilm communities. Molecular Oral Microbiology, 2013, , n/a-n/a.	1.3	0
78	BrpA Is Involved in Regulation of Cell Envelope Stress Responses in Streptococcus mutans. Applied and Environmental Microbiology, 2012, 78, 2914-2922.	1.4	56
79	Progress toward understanding the contribution of alkali generation in dental biofilms to inhibition of dental caries. International Journal of Oral Science, 2012, 4, 135-140.	3.6	147
80	Transcriptional Organization and Physiological Contributions of the relQ Operon of Streptococcus mutans. Journal of Bacteriology, 2012, 194, 1968-1978.	1.0	24
81	Microfluidic study of competence regulation in <i>Streptococcus mutans</i>: environmental inputs modulate bimodal and unimodal expression of <i>comX</i>. Molecular Microbiology, 2012, 86, 258-272.	1.2	113
82	Identification of the Streptococcus mutans LytST two-component regulon reveals its contribution to oxidative stress tolerance. BMC Microbiology, 2012, 12, 187.	1.3	50
83	Progress Dissecting the Oral Microbiome in Caries and Health. Advances in Dental Research, 2012, 24, 77-80.	3.6	86
84	Two Gene Clusters Coordinate Galactose and Lactose Metabolism in Streptococcus gordonii. Applied and Environmental Microbiology, 2012, 78, 5597-5605.	1.4	33
85	Transcriptome analysis of LuxSâ€deficient <i>Streptococcus mutans</i> grown in biofilms. Molecular Oral Microbiology, 2011, 26, 2-18.	1.3	58
86	Genetic Analysis of the Functions and Interactions of Components of the LevQRST Signal Transduction Complex of Streptococcus mutans. PLoS ONE, 2011, 6, e17335.	1.1	14
87	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
88	Urease activity in dental plaque and saliva of children during a three-year study period and its relationship with other caries risk factors. Archives of Oral Biology, 2011, 56, 1282-1289.	0.8	31
89	Urease activity as a risk factor for caries development in children during a three-year study period: A survival analysis approach. Archives of Oral Biology, 2011, 56, 1560-1568.	0.8	11
90	The EIIAB^{Man}Phosphotransferase System Permease Regulates Carbohydrate Catabolite Repression in<i>Streptococcus gordonii</i>. Applied and Environmental Microbiology, 2011, 77, 1957-1965.	1.4	35

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91	The Major Autolysin of Streptococcus gordonii Is Subject to Complex Regulation and Modulates Stress Tolerance, Biofilm Formation, and Extracellular-DNA Release. Journal of Bacteriology, 2011, 193, 2826-2837.	1.0	42
92	A Transcriptional Regulator and ABC Transporters Link Stress Tolerance, (p)ppGpp, and Genetic Competence in <i>Streptococcus mutans</i>. Journal of Bacteriology, 2011, 193, 862-874.	1.0	68
93	The Collagen-Binding Protein Cnm Is Required for Streptococcus mutans Adherence to and Intracellular Invasion of Human Coronary Artery Endothelial Cells. Infection and Immunity, 2011, 79, 2277-2284.	1.0	144
94	Nonfluoride caries-preventive agents. Journal of the American Dental Association, 2011, 142, 1065-1071.	0.7	83
95	Biofilm formation and virulence expression by Streptococcus mutans are altered when grown in dual-species model. BMC Microbiology, 2010, 10, 111.	1.3	143
96	The effect of sucrose on plaque and saliva urease levels in vivo. Archives of Oral Biology, 2010, 55, 249-254.	0.8	13
97	Serylâ€phosphorylated HPr regulates CcpAâ€independent carbon catabolite repression in conjunction with PTS permeases in <i>Streptococcus mutans</i>. Molecular Microbiology, 2010, 75, 1145-1158.	1.2	72
98	Utilization of Lactose and Galactose by <i>Streptococcus mutans</i> : Transport, Toxicity, and Carbon Catabolite Repression. Journal of Bacteriology, 2010, 192, 2434-2444.	1.0	96
99	The Streptococcus mutans Cid and Lrg systems modulate virulence traits in response to multiple environmental signals. Microbiology (United Kingdom), 2010, 156, 3136-3147.	0.7	69
100	Protocols to Study the Physiology of Oral Biofilms. Methods in Molecular Biology, 2010, 666, 87-102.	0.4	65
101	Multiple Two-Component Systems Modulate Alkali Generation in<i>Streptococcus gordonii</i>in Response to Environmental Stresses. Journal of Bacteriology, 2009, 191, 7353-7362.	1.0	44
102	Inactivation of VicK Affects Acid Production and Acid Survival of <i>Streptococcus mutans</i>. Journal of Bacteriology, 2009, 191, 6415-6424.	1.0	74
103	AguR Is Required for Induction of the Streptococcus mutans Agmatine Deiminase System by Low pH and Agmatine. Applied and Environmental Microbiology, 2009, 75, 2629-2637.	1.4	43
104	Multiple Two-Component Systems of Streptococcus mutans Regulate Agmatine Deiminase Gene Expression and Stress Tolerance. Journal of Bacteriology, 2009, 191, 7363-7366.	1.0	40
105	Opportunities for Disrupting Cariogenic Biofilms. Advances in Dental Research, 2009, 21, 17-20.	3.6	18
106	Transcriptional Regulation of the Cellobiose Operon of <i>Streptococcus mutans</i>. Journal of Bacteriology, 2009, 191, 2153-2162.	1.0	72
107	Changes in Biochemical and Phenotypic Properties of Streptococcus mutans during Growth with Aeration. Applied and Environmental Microbiology, 2009, 75, 2517-2527.	1.4	48
108	Distribution, regulation and role of the agmatine deiminase system in mutans streptococci. Oral Microbiology and Immunology, 2009, 24, 79-82.	2.8	19

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109	Correlations of oral bacterial arginine and urea catabolism with caries experience. Oral Microbiology and Immunology, 2009, 24, 89-95.	2.8	167
110	Invasion of human coronary artery endothelial cells by <i>Streptococcus mutans</i> OMZ175. Oral Microbiology and Immunology, 2009, 24, 141-145.	2.8	71
111	Multiple sugar: phosphotransferase system permeases participate in catabolite modification of gene expression in <i>Streptococcus mutans</i>. Molecular Microbiology, 2008, 70, 197-208.	1.2	44
112	A model of efficiency: stress tolerance by Streptococcus mutans. Microbiology (United Kingdom), 2008, 154, 3247-3255.	0.7	261
113	Characteristics of Biofilm Formation by<i>Streptococcus mutans</i>in the Presence of Saliva. Infection and Immunity, 2008, 76, 4259-4268.	1.0	131
114	Environmental and Growth Phase Regulation of the <i>Streptococcus gordonii</i> Arginine Deiminase Genes. Applied and Environmental Microbiology, 2008, 74, 5023-5030.	1.4	66
115	<i>cadDX</i> Operon of <i>Streptococcus salivarius</i> 57.I. Applied and Environmental Microbiology, 2008, 74, 1642-1645.	1.4	14
116	CcpA Regulates Central Metabolism and Virulence Gene Expression in <i>Streptococcus mutans</i>. Journal of Bacteriology, 2008, 190, 2340-2349.	1.0	174
117	Global Regulation by (p)ppGpp and CodY in<i>Streptococcus mutans</i>. Journal of Bacteriology, 2008, 190, 5291-5299.	1.0	87
118	Role of RelA of <i>Streptococcus mutans</i> in Global Control of Gene Expression. Journal of Bacteriology, 2008, 190, 28-36.	1.0	67
119	Effects of Oxygen on Biofilm Formation and the AtlA Autolysin of <i>Streptococcus mutans</i>. Journal of Bacteriology, 2007, 189, 6293-6302.	1.0	117
120	Effects of Oxygen on Virulence Traits of Streptococcus mutans. Journal of Bacteriology, 2007, 189, 8519-8527.	1.0	93
121	Physiologic Effects of Forced Down-Regulation of dnaK and groEL Expression in Streptococcus mutans. Journal of Bacteriology, 2007, 189, 1582-1588.	1.0	90
122	Biofilm formation in an in vitro model of cochlear implants with removable magnets. Otolaryngology - Head and Neck Surgery, 2007, 136, 583-588.	1.1	23
123	Biofilm formation in cochlear implants with cochlear drug delivery channels in an in vitro model. Otolaryngology - Head and Neck Surgery, 2007, 136, 577-582.	1.1	17
124	Impact of engineered surface microtopography on biofilm formation of <i>Staphylococcus aureus</i>. Biointerphases, 2007, 2, 89-94.	0.6	358
125	The relationship between dental caries status and dental plaque urease activity. Oral Microbiology and Immunology, 2007, 22, 61-66.	2.8	44
126	The oligopeptide (opp) gene cluster of Streptococcus mutans: identification, prevalence, and characterization. Oral Microbiology and Immunology, 2007, 22, 277-284.	2.8	19

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127	Three gene products govern (p)ppGpp production by <i>Streptococcus mutans</i>. Molecular Microbiology, 2007, 65, 1568-1581.	1.2	146
128	Streptococcus mutans: Fructose Transport, Xylitol Resistance, and Virulence. Journal of Dental Research, 2006, 85, 369-373.	2.5	45
129	Organization of heat shock dnaK and groE operons of the nosocomial pathogen Enterococcus faecium. Research in Microbiology, 2006, 157, 162-168.	1.0	11
130	Construction and characterization of a recombinant ureolytic Streptococcus mutans and its use to demonstrate the relationship of urease activity to pH modulating capacity. FEMS Microbiology Letters, 2006, 151, 205-211.	0.7	26
131	Osmotic stress responses ofStreptococcus mutansUA159. FEMS Microbiology Letters, 2006, 255, 240-246.	0.7	22
132	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
133	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
134	Multilevel Control of Competence Development and Stress Tolerance in Streptococcus mutans UA159. Infection and Immunity, 2006, 74, 1631-1642.	1.0	181
135	Influence of BrpA on Critical Virulence Attributes of Streptococcus mutans. Journal of Bacteriology, 2006, 188, 2983-2992.	1.0	120
136	The atlA Operon of Streptococcus mutans : Role in Autolysin Maturation and Cell Surface Biogenesis. Journal of Bacteriology, 2006, 188, 6877-6888.	1.0	75
137	Regulation and Physiologic Significance of the Agmatine Deiminase System of Streptococcus mutans UA159. Journal of Bacteriology, 2006, 188, 834-841.	1.0	124
138	Influence of Apigenin on gtf Gene Expression in Streptococcus mutans UA159. Antimicrobial Agents and Chemotherapy, 2006, 50, 542-546.	1.4	62
139	Characterization of cis- Acting Sites Controlling Arginine Deiminase Gene Expression in Streptococcus gordonii. Journal of Bacteriology, 2006, 188, 941-949.	1.0	39
140	Characteristics ofStreptococcus mutansstrains lacking the MazEF and RelBE toxinÃ¢Â€Â“antitoxin modules. FEMS Microbiology Letters, 2005, 253, 251-257.	0.7	43
141	Role of HtrA in Growth and Competence of Streptococcus mutans UA159. Journal of Bacteriology, 2005, 187, 3028-3038.	1.0	98
142	A Hypothetical Protein of Streptococcus mutans Is Critical for Biofilm Formation. Infection and Immunity, 2005, 73, 3147-3151.	1.0	44
143	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
144	Responses of cariogenic streptococci to environmental stresses. Current Issues in Molecular Biology, 2005, 7, 95-107.	1.0	148

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145	Control of Expression of the Arginine Deiminase Operon of Streptococcus gordonii by CcpA and Flp. Journal of Bacteriology, 2004, 186, 2511-2514.	1.0	80
146	Galactose Metabolism by Streptococcus mutans. Applied and Environmental Microbiology, 2004, 70, 6047-6052.	1.4	53
147	Analysis of an Agmatine Deiminase Gene Cluster in Streptococcus mutans UA159. Journal of Bacteriology, 2004, 186, 1902-1904.	1.0	85
148	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
149	Characterization of the Arginine Deiminase Operon of Streptococcus rattus FA-1. Applied and Environmental Microbiology, 2004, 70, 1321-1327.	1.4	47
150	Adaptive Acid Tolerance Response of Streptococcus sobrinus. Journal of Bacteriology, 2004, 186, 6383-6390.	1.0	66
151	Effects of RelA on Key Virulence Properties of Planktonic and Biofilm Populations of Streptococcus mutans. Infection and Immunity, 2004, 72, 1431-1440.	1.0	143
152	RegM is required for optimal fructosyltransferase and glucosyltransferase gene expression inStreptococcus mutans. FEMS Microbiology Letters, 2004, 240, 75-79.	0.7	29
153	Transcriptional analysis of the groE and dnaK heat-shock operons of Enterococcus faecalis. Research in Microbiology, 2004, 155, 252-258.	1.0	26
154	Bacterial Biofilms May Contribute to Persistent Cochlear Implant Infection. Otology and Neurotology, 2004, 25, 953-957.	0.7	85
155	Characterization of Streptococcus mutans Strains Deficient in EIIAB Man of the Sugar Phosphotransferase System. Applied and Environmental Microbiology, 2003, 69, 4760-4769.	1.4	104
156	Role of Urease Enzymes in Stability of a 10-Species Oral Biofilm Consortium Cultivated in a Constant-Depth Film Fermenter. Infection and Immunity, 2003, 71, 7188-7192.	1.0	48
157	Identification and Characterization of the Nickel Uptake System for Urease Biogenesis in Streptococcus salivarius 57.I. Journal of Bacteriology, 2003, 185, 6773-6779.	1.0	70
158	Gene Expression in Oral Biofilms. , 2003, , 212-228.		2
159	Isolation and Molecular Analysis of the Gene Cluster for the Arginine Deiminase System from <i>Streptococcus gordonii</i> DL1. Applied and Environmental Microbiology, 2002, 68, 5549-5553.	1.4	76
160	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
161	Regulation and Physiological Significance of ClpC and ClpP in Streptococcus mutans. Journal of Bacteriology, 2002, 184, 6357-6366.	1.0	113
162	Functional Genomics Approach to Identifying Genes Required for Biofilm Development by Streptococcus mutans. Applied and Environmental Microbiology, 2002, 68, 1196-1203.	1.4	217

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