JosÃ© A Lemos

List of Publications by Year
in descending order

73 papers	4,212 citations	136950 32 h-index	123424 61 g-index
85 all docs	85 docs citations	85 times ranked	3949 citing authors

#	Article	IF	Citations
1	Disruption of the <i>adh</i> (Acetoin Dehydrogenase) Operon Has Wide-Ranging Effects on Streptococcus mutans Growth and Stress Response. Journal of Bacteriology, 2022, 204, jb0057821.	2.2	3
2	The AdcACB/AdcAII system is essential for zinc homeostasis and an important contributor of <i>Enterococcus faecalis</i> virulence. Virulence, 2022, 13, 592-608.	4.4	7
3	Methods for Using the Galleria mellonella Invertebrate Model to Probe Enterococcus faecalis Pathogenicity. Methods in Molecular Biology, 2022, , 177-183.	0.9	1
4	Enterococcus faecalis Antagonizes Pseudomonas aeruginosa Growth in Mixed-Species Interactions. Journal of Bacteriology, 2022, 204, .	2.2	13
5	Detection of Streptococcus mutans in symptomatic and asymptomatic infected root canals. Clinical Oral Investigations, 2021, 25, 3535-3542.	3.0	12
6	Increased Oxidative Stress Tolerance of a Spontaneously Occurring <i>perR</i> Gene Mutation in Streptococcus mutans UA159. Journal of Bacteriology, 2021, 203, .	2.2	16
7	A Modular Synthetic Route Involving <i>N</i>-Aryl-2-nitrosoaniline Intermediates Leads to a New Series of 3-Substituted Halogenated Phenazine Antibacterial Agents. Journal of Medicinal Chemistry, 2021, 64, 7275-7295.	6.4	21
8	Zinc import mediated by AdcABC is critical for colonization of the dental biofilm by <i>Streptococcus mutans</i> in an animal model. Molecular Oral Microbiology, 2021, 36, 214-224.	2.7	14
9	Amyloid Aggregation of Streptococcus mutans Cnm Influences Its Collagen-Binding Activity. Applied and Environmental Microbiology, 2021, 87, e0114921.	3.1	8
10	c-di-AMP Is Essential for the Virulence of <i>Enterococcus faecalis</i>. Infection and Immunity, 2021, 89, e0036521.	2.2	9
11	Phenotypic and Genotypic Characterization of Streptococcus mutans Strains Isolated from Endodontic Infections. Journal of Endodontics, 2020, 46, 1876-1883.	3.1	8
12	Survival of the Fittest: The Relationship of (p)ppGpp With Bacterial Virulence. Frontiers in Microbiology, 2020, 11, 601417.	3.5	24
13	Manganese Uptake, Mediated by SloABC and MntH, Is Essential for the Fitness of Streptococcus mutans. MSphere, 2020, 5, .	2.9	42
14	<i>PepO</i> is a target of the two-component systems VicRK and CovR required for systemic virulence of <i>Streptococcus mutans</i>. Virulence, 2020, 11, 521-536.	4.4	11
15	Regulatory circuits controlling Spx levels in <i>Streptococcus mutans</i>. Molecular Microbiology, 2020, 114, 109-126.	2.5	17
16	Adaptation to Adversity: the Intermingling of Stress Tolerance and Pathogenesis in Enterococci. Microbiology and Molecular Biology Reviews, 2019, 83, .	6.6	58
17	The Biology of <i>Streptococcus mutans</i>. Microbiology Spectrum, 2019, 7, .	3.0	357
18	The Biology ofStreptococcus mutans. , 2019, , 435-448.		16

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19	Biofilm Assays on Fibrinogen-coated Silicone Catheters and 96-well Polystyrene Plates. Bio-protocol, 2019, 9, .	0.4	17
20	Characterization of the pgf operon involved in the posttranslational modification of Streptococcus mutans surface proteins. Scientific Reports, 2018, 8, 4705.	3.3	11
21	Whole genome sequence and phenotypic characterization of a Cbm⁺ serotype <i>e</i> strain of <i>Streptococcus mutans</i>. Molecular Oral Microbiology, 2018, 33, 257-269.	2.7	4
22	Manganese acquisition is essential for virulence of Enterococcus faecalis. PLoS Pathogens, 2018, 14, e1007102.	4.7	63
23	Deficiency of MecA in Streptococcus mutans Causes Major Defects in Cell Envelope Biogenesis, Cell Division, and Biofilm Formation. Frontiers in Microbiology, 2018, 9, 2130.	3.5	10
24	CovR and VicRKX Regulate Transcription of the Collagen Binding Protein Cnm of Streptococcus mutans. Journal of Bacteriology, 2018, 200, .	2.2	12
25	Disruption of a Novel Iron Transport System Reverses Oxidative Stress Phenotypes of a <i>dpr</i> Mutant Strain of Streptococcus mutans. Journal of Bacteriology, 2018, 200, .	2.2	15
26	Basal levels of (p)ppGpp differentially affect the pathogenesis of infective endocarditis in Enterococcus faecalis. Microbiology (United Kingdom), 2018, 164, 1254-1265.	1.8	21
27	Collagenâ€binding proteins of <i>Streptococcus mutans</i> and related streptococci. Molecular Oral Microbiology, 2017, 32, 89-106.	2.7	50
28	Heterologous expression of<i>Streptococcus mutans</i>Cnm in<i>Lactococcus lactis</i>promotes intracellular invasion, adhesion to human cardiac tissues and virulence. Virulence, 2017, 8, 18-29.	4.4	28
29	Inactivation of the <i>spxA1</i> or <i>spxA2</i> gene of <i>Streptococcus mutans</i> decreases virulence in the rat caries model. Molecular Oral Microbiology, 2017, 32, 142-153.	2.7	24
30	A New Perspective of an Old Villain: Revisiting Biomarkers of Caries Development. EBioMedicine, 2017, 25, 14-15.	6.1	2
31	Transcriptome responses of Streptococcus mutans to peroxide stress: identification of novel antioxidant pathways regulated by Spx. Scientific Reports, 2017, 7, 16018.	3.3	39
32	Ex vivo Model of Human Aortic Valve Bacterial Colonization. Bio-protocol, 2017, 7, .	0.4	1
33	Simultaneous spatiotemporal mapping of in situ pH and bacterial activity within an intact 3D microcolony structure. Scientific Reports, 2016, 6, 32841.	3.3	72
34	The CtsR regulator controls the expression of clpC, clpE and clpP and is required for the virulence of Enterococcus faecalis in an invertebrate model. Antonie Van Leeuwenhoek, 2016, 109, 1253-1259.	1.7	13
35	Stress Physiology of Lactic Acid Bacteria. Microbiology and Molecular Biology Reviews, 2016, 80, 837-890.	6.6	487
36	Transcriptional profile of glucoseâ€shocked and acidâ€adapted strains of <i>Streptococcus mutans</i>. Molecular Oral Microbiology, 2015, 30, 496-517.	2.7	27

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37	Lectin Binding Analysis of Streptococcus mutans Glycoproteins. Bio-protocol, 2015, 5, .	0.4	0
38	Transcriptional and Phenotypic Characterization of Novel Spx-Regulated Genes in Streptococcus mutans. PLoS ONE, 2015, 10, e0124969.	2.5	30
39	Many Means to a Common End: the Intricacies of (p)ppGpp Metabolism and Its Control of Bacterial Homeostasis. Journal of Bacteriology, 2015, 197, 1146-1156.	2.2	187
40	From (p)ppGpp to (pp)pGpp: Characterization of Regulatory Effects of pGpp Synthesized by the Small Alarmone Synthetase of Enterococcus faecalis. Journal of Bacteriology, 2015, 197, 2908-2919.	2.2	88
41	Transcription of Oxidative Stress Genes Is Directly Activated by SpxA1 and, to a Lesser Extent, by SpxA2 in Streptococcus mutans. Journal of Bacteriology, 2015, 197, 2160-2170.	2.2	38
42	The Collagen Binding Protein Cnm Contributes to Oral Colonization and Cariogenicity of Streptococcus mutans OMZ175. Infection and Immunity, 2015, 83, 2001-2010.	2.2	48
43	Transcriptome Analysis of Enterococcus faecalis during Mammalian Infection Shows Cells Undergo Adaptation and Exist in a Stringent Response State. PLoS ONE, 2014, 9, e115839.	2.5	35
44	Cnm is a major virulence factor of invasive <i><scp>S</scp>treptococcus mutans</i> and part of a conserved threeâ€gene locus. Molecular Oral Microbiology, 2014, 29, 11-23.	2.7	24
45	Modification of Streptococcus mutans Cnm by PgfS Contributes to Adhesion, Endothelial Cell Invasion, and Virulence. Journal of Bacteriology, 2014, 196, 2789-2797.	2.2	36
46	Cnm is a major virulence factor of invasive<i>Streptococcus mutans</i>and part of a conserved three-gene locus. Molecular Oral Microbiology, 2014, 29, 11-23.	2.7	24
47	Streptococcus mutans: a new Gram-positive paradigm?. Microbiology (United Kingdom), 2013, 159, 436-445.	1.8	174
48	Basal Levels of (p)ppGpp in Enterococcus faecalis: the Magic beyond the Stringent Response. MBio, 2013, 4, e00646-13.	4.1	105
49	Phenotypic Heterogeneity of Genomically-Diverse Isolates of Streptococcus mutans. PLoS ONE, 2013, 8, e61358.	2.5	87
50	The Cell Wall-Targeting Antibiotic Stimulon of Enterococcus faecalis. PLoS ONE, 2013, 8, e64875.	2.5	27
51	Novel Antibiofilm Chemotherapy Targets Exopolysaccharide Synthesis and Stress Tolerance in Streptococcus mutans To Modulate Virulence Expression <i>In Vivo</i>. Antimicrobial Agents and Chemotherapy, 2012, 56, 6201-6211.	3.2	55
52	The Spx Regulator Modulates Stress Responses and Virulence in Enterococcus faecalis. Infection and Immunity, 2012, 80, 2265-2275.	2.2	55
53	Global transcriptional analysis of the stringent response in Enterococcus faecalis. Microbiology (United Kingdom), 2012, 158, 1994-2004.	1.8	57
54	Role of (p)ppGpp in Biofilm Formation by Enterococcus faecalis. Applied and Environmental Microbiology, 2012, 78, 1627-1630.	3.1	75

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55	clpB, a class III heat-shock gene regulated by CtsR, is involved in thermotolerance and virulence of Enterococcus faecalis. Microbiology (United Kingdom), 2011, 157, 656-665.	1.8	32
56	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.	2.2	144
57	Transcriptome analysis reveals that ClpXP proteolysis controls key virulence properties of Streptococcus mutans. Microbiology (United Kingdom), 2011, 157, 2880-2890.	1.8	30
58	Stress Responses of Streptococci. , 2011, , 251-303.		4
59	Two Spx Proteins Modulate Stress Tolerance, Survival, and Virulence in<i>Streptococcus mutans</i>. Journal of Bacteriology, 2010, 192, 2546-2556.	2.2	109
60	Characterization of the Streptococcus sobrinus acid-stress response by interspecies microarrays and proteomics. Molecular Oral Microbiology, 2010, 25, 331-342.	2.7	21
61	Protocols to Study the Physiology of Oral Biofilms. Methods in Molecular Biology, 2010, 666, 87-102.	0.9	65
62	Dynamics of Streptococcus mutans Transcriptome in Response to Starch and Sucrose during Biofilm Development. PLoS ONE, 2010, 5, e13478.	2.5	106
63	Opportunities for Disrupting Cariogenic Biofilms. Advances in Dental Research, 2009, 21, 17-20.	3.6	18
64	The Molecular Alarmone (p)ppGpp Mediates Stress Responses, Vancomycin Tolerance, and Virulence in <i>Enterococcus faecalis</i>. Journal of Bacteriology, 2009, 191, 2248-2256.	2.2	176
65	Role of Clp Proteins in Expression of Virulence Properties of<i>Streptococcus mutans</i>. Journal of Bacteriology, 2009, 191, 2060-2068.	2.2	84
66	A model of efficiency: stress tolerance by Streptococcus mutans. Microbiology (United Kingdom), 2008, 154, 3247-3255.	1.8	261
67	Global Regulation by (p)ppGpp and CodY in<i>Streptococcus mutans</i>. Journal of Bacteriology, 2008, 190, 5291-5299.	2.2	87
68	Role of RelA of <i>Streptococcus mutans</i> in Global Control of Gene Expression. Journal of Bacteriology, 2008, 190, 28-36.	2.2	67
69	Physiologic Effects of Forced Down-Regulation of dnaK and groEL Expression in Streptococcus mutans. Journal of Bacteriology, 2007, 189, 1582-1588.	2.2	90
70	Three gene products govern (p)ppGpp production by <i>Streptococcus mutans</i>. Molecular Microbiology, 2007, 65, 1568-1581.	2.5	146
71	Osmotic stress responses ofStreptococcus mutansUA159. FEMS Microbiology Letters, 2006, 255, 240-246.	1.8	22
72	A Hypothetical Protein of Streptococcus mutans Is Critical for Biofilm Formation. Infection and Immunity, 2005, 73, 3147-3151.	2.2	44

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73	Biology of Oral Streptococci. , 0, , 426-434.		15