Adriano O Henriques

List of Publications by Year
in descending order

91 papers	6,475 citations	76196 40 h-index	69108 77 g-index
97 all docs	97 docs citations	97 times ranked	5232 citing authors

#	Article	IF	Citations
1	Structure, Assembly, and Function of the Spore Surface Layers. Annual Review of Microbiology, 2007, 61, 555-588.	2.9	481
2	Molecular and Biochemical Characterization of a Highly Stable Bacterial Laccase That Occurs as a Structural Component of the Bacillus subtilis Endospore Coat. Journal of Biological Chemistry, 2002, 277, 18849-18859.	1.6	456
3	Characterization of Bacillus Probiotics Available for Human Use. Applied and Environmental Microbiology, 2004, 70, 2161-2171.	1.4	343
4	Crystal Structure of a Bacterial Endospore Coat Component. Journal of Biological Chemistry, 2003, 278, 19416-19425.	1.6	322
5	Screening for Bacillus Isolates in the Broiler Gastrointestinal Tract. Applied and Environmental Microbiology, 2005, 71, 968-978.	1.4	307
6	The Intestinal Life Cycle of Bacillus subtilis and Close Relatives. Journal of Bacteriology, 2006, 188, 2692-2700.	1.0	281
7	Structure and Assembly of the Bacterial Endospore Coat. Methods, 2000, 20, 95-110.	1.9	187
8	Control of cell shape and elongation by the rodA gene in Bacillus subtilis. Molecular Microbiology, 1998, 28, 235-247.	1.2	173
9	Genome-Wide Analysis of Cell Type-Specific Gene Transcription during Spore Formation in Clostridium difficile. PLoS Genetics, 2013, 9, e1003756.	1.5	167
10	Substrate and Dioxygen Binding to the Endospore Coat Laccase from Bacillus subtilis. Journal of Biological Chemistry, 2004, 279, 23472-23476.	1.6	161
11	Genome-wide analysis of temporally regulated and compartment-specific gene expression in sporulating cells of Bacillus subtilis. Microbiology (United Kingdom), 2005, 151, 399-420.	0.7	157
12	RodZ, a component of the bacterial core morphogenic apparatus. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1239-1244.	3.3	156
13	The Spore Differentiation Pathway in the Enteric Pathogen Clostridium difficile. PLoS Genetics, 2013, 9, e1003782.	1.5	153
14	Adaptive Strategies and Pathogenesis of Clostridium difficile from <i>In Vivo</i> Transcriptomics. Infection and Immunity, 2013, 81, 3757-3769.	1.0	143
15	A Genomic Signature and the Identification of New Sporulation Genes. Journal of Bacteriology, 2013, 195, 2101-2115.	1.0	110
16	Characterization of cotJ, a sigma E-controlled operon affecting the polypeptide composition of the coat of Bacillus subtilis spores. Journal of Bacteriology, 1995, 177, 3394-3406.	1.0	101
17	Role of PBP1 in Cell Division of Staphylococcus aureus. Journal of Bacteriology, 2007, 189, 3525-3531.	1.0	100
18	CotM of Bacillus subtilis, a member of the alpha-crystallin family of stress proteins, is induced during development and participates in spore outer coat formation. Journal of Bacteriology, 1997, 179, 1887-1897.	1.0	97

#	Article	IF	Citations
19	Novel Secretion Apparatus Maintains Spore Integrity and Developmental Gene Expression in Bacillus subtilis. PLoS Genetics, 2009, 5, e1000566.	1.5	93
20	Involvement of Superoxide Dismutase in Spore Coat Assembly in <i>Bacillus subtilis</i>. Journal of Bacteriology, 1998, 180, 2285-2291.	1.0	92
21	A Procedure for High-Yield Spore Production by Bacillus s ubtilis. Biotechnology Progress, 2008, 21, 1026-1031.	1.3	90
22	A channel connecting the mother cell and forespore during bacterial endospore formation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15100-15105.	3.3	88
23	A <i>Bacillus subtilis</i> Secreted Protein with a Role in Endospore Coat Assembly and Function. Journal of Bacteriology, 1999, 181, 3632-3643.	1.0	82
24	Morphogenetic Proteins SpoVID and SafA Form a Complex during Assembly of the Bacillus subtilis Spore Coat. Journal of Bacteriology, 2000, 182, 1828-1833.	1.0	81
25	Interactions among CotB, CotG, and CotH during Assembly of the Bacillus subtilis Spore Coat. Journal of Bacteriology, 2004, 186, 1110-1119.	1.0	77
26	A Bacillus subtilis morphogene cluster that includes spoVE is homologous to the mra region of Escherichia coli. Biochimie, 1992, 74, 735-748.	1.3	72
27	Assembly of Multiple CotC Forms into the Bacillus subtilis Spore Coat. Journal of Bacteriology, 2004, 186, 1129-1135.	1.0	69
28	Genetic Competence Drives Genome Diversity in Bacillus subtilis. Genome Biology and Evolution, 2018, 10, 108-124.	1.1	67
29	SpoVID Guides SafA to the Spore Coat in Bacillus subtilis. Journal of Bacteriology, 2001, 183, 3041-3049.	1.0	66
30	The coat morphogenetic protein SpoVID is necessary for spore encasement in <i>Bacillus subtilis</i>. Molecular Microbiology, 2009, 74, 634-649.	1.2	64
31	The portal protein plays essential roles at different steps of the SPP1 DNA packaging process. Virology, 2004, 322, 253-263.	1.1	62
32	Evidence for a dual role of PBP1 in the cell division and cell separation of <i>Staphylococcus aureus</i>. Molecular Microbiology, 2009, 72, 895-904.	1.2	58
33	Assembly and interactions of cotJ â€encoded proteins, constituents of the inner layers of the Bacillus subtilis spore coat. Molecular Microbiology, 1997, 25, 955-966.	1.2	57
34	The regulatory network controlling spore formation in<i>Clostridium difficile</i>. FEMS Microbiology Letters, 2014, 358, 1-10.	0.7	55
35	Display of Recombinant Proteins on <i>Bacillus subtilis</i> Spores, Using a Coat-Associated Enzyme as the Carrier. Applied and Environmental Microbiology, 2010, 76, 5926-5933.	1.4	53
36	Different Antibiotic Resistance and Sporulation Properties within Multiclonal Clostridium difficile PCR Ribotypes 078, 126, and 033 in a Single Calf Farm. Applied and Environmental Microbiology, 2012, 78, 8515-8522.	1.4	50

#	Article	IF	Citations
37	Isolation and Characterization of New Thiamine-Deregulated Mutants of Bacillus subtilis. Journal of Bacteriology, 2005, 187, 8127-8136.	1.0	48
38	Interaction between Coat Morphogenetic Proteins SafA and SpoVID. Journal of Bacteriology, 2006, 188, 7731-7741.	1.0	48
39	Assembly Requirements and Role of CotH during Spore Coat Formation in Bacillus subtilis. Journal of Bacteriology, 1999, 181, 2631-2633.	1.0	48
40	The SpoIIQâ€SpoIIIAH complex of <scp><i>C</i></scp><i>lostridium difficile</i> controls forespore engulfment and late stages of gene expression and spore morphogenesis. Molecular Microbiology, 2016, 100, 204-228.	1.2	46
41	Assembly and Function of a Spore Coat-Associated Transglutaminase of Bacillus subtilis. Journal of Bacteriology, 2005, 187, 7753-7764.	1.0	45
42	Sporulation during Growth in a Gut Isolate of Bacillus subtilis. Journal of Bacteriology, 2014, 196, 4184-4196.	1.0	43
43	A Recombination Directionality Factor Controls the Cell Type-Specific Activation of ÏƒK and the Fidelity of Spore Development in Clostridium difficile. PLoS Genetics, 2016, 12, e1006312.	1.5	42
44	Assembly of an Oxalate Decarboxylase Produced under Ïƒ K Control into the Bacillus subtilis Spore Coat. Journal of Bacteriology, 2004, 186, 1462-1474.	1.0	39
45	The high-resolution functional map of bacteriophage SPP1 portal protein. Molecular Microbiology, 2004, 51, 949-962.	1.2	39
46	The life-cycle proteins RodA of Escherichia coli and SpoVE of Bacillus subtilis have very similar primary structures. Molecular Microbiology, 1990, 4, 513-517.	1.2	38
47	Role of the Anti-Sigma Factor SpoIIAB in Regulation of ÏƒG during Bacillus subtilis Sporulation. Journal of Bacteriology, 2004, 186, 4000-4013.	1.0	38
48	Sporulation Temperature Reveals a Requirement for CotE in the Assembly of both the Coat and Exosporium Layers of Bacillus cereus Spores. Applied and Environmental Microbiology, 2016, 82, 232-243.	1.4	37
49	Expression of spoIIIJ in the Prespore Is Sufficient for Activation of Ïƒ G and for Sporulation in Bacillus subtilis. Journal of Bacteriology, 2003, 185, 3905-3917.	1.0	34
50	CotC-CotU Heterodimerization during Assembly of the Bacillus subtilis Spore Coat. Journal of Bacteriology, 2008, 190, 1267-1275.	1.0	34
51	Forespore-Specific Transcription of the lonB Gene during Sporulation in Bacillus subtilis. Journal of Bacteriology, 2001, 183, 2995-3003.	1.0	33
52	Modulation of the Viral ATPase Activity by the Portal Protein Correlates with DNA Packaging Efficiency. Journal of Biological Chemistry, 2006, 281, 21914-21923.	1.6	31
53	Localization of the Bacillus subtilis murB Gene within the dcw Cluster Is Important for Growth and Sporulation. Journal of Bacteriology, 2006, 188, 1721-1732.	1.0	30
54	Physical Interaction between Coat Morphogenetic Proteins SpoVID and CotE Is Necessary for Spore Encasement in Bacillus subtilis. Journal of Bacteriology, 2012, 194, 4941-4950.	1.0	30

#	Article	IF	Citations
55	Determinants for the Subcellular Localization and Function of a Nonessential SEDS Protein. Journal of Bacteriology, 2008, 190, 363-376.	1.0	29
56	A mother cell-to-forespore channel: current understanding and future challenges. FEMS Microbiology Letters, 2014, 358, 129-136.	0.7	29
57	From Root to Tips: Sporulation Evolution and Specialization in <i>Bacillus subtilis</i> and the Intestinal Pathogen <i>Clostridioides difficile</i>. Molecular Biology and Evolution, 2019, 36, 2714-2736.	3.5	29
58	Alternative Translation Initiation Produces a Short Form of a Spore Coat Protein in Bacillus subtilis. Journal of Bacteriology, 2001, 183, 2032-2040.	1.0	27
59	Cell division protein DivIB influences the Spo0J/Soj system of chromosome segregation in Bacillus subtilis. Molecular Microbiology, 2004, 55, 349-367.	1.2	25
60	Genomic Study of a Clostridium difficile Multidrug Resistant Outbreak-Related Clone Reveals Novel Determinants of Resistance. Frontiers in Microbiology, 2018, 9, 2994.	1.5	25
61	The Timing of cotE Expression Affects Bacillus subtilis Spore Coat Morphology but Not Lysozyme Resistance. Journal of Bacteriology, 2007, 189, 2401-2410.	1.0	24
62	Imipenem Resistance in <i>Clostridium difficile</i> Ribotype 017, Portugal. Emerging Infectious Diseases, 2018, 24, 741-745.	2.0	24
63	Chapter 8 Cell wall changes during bacterial endospore formation. New Comprehensive Biochemistry, 1994, 27, 167-186.	0.1	23
64	cse15, cse60, and csk22 are new members of mother-cell-specific sporulation regulons in Bacillus subtilis. Journal of Bacteriology, 1997, 179, 389-398.	1.0	23
65	A Fluorescent Reporter for Single Cell Analysis of Gene Expression in Clostridium difficile. Methods in Molecular Biology, 2016, 1476, 69-90.	0.4	23
66	Structural and Functional Characterization of an Ancient Bacterial Transglutaminase Sheds Light on the Minimal Requirements for Protein Cross-Linking. Biochemistry, 2015, 54, 5723-5734.	1.2	21
67	A protein phosphorylation module patterns the <i>Bacillus subtilis</i> spore outer coat. Molecular Microbiology, 2020, 114, 934-951.	1.2	20
68	Genome of a Gut Strain of Bacillus subtilis. Genome Announcements, 2013, 1, .	0.8	19
69	Rampant loss of social traits during domestication of a Bacillus subtilis natural isolate. Scientific Reports, 2020, 10, 18886.	1.6	19
70	Spore-coat laccase CotA fromBacillus subtilis: crystallization and preliminary X-ray characterization by the MAD method. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1490-1493.	2.5	18
71	Auto-induction and purification of a Bacillus subtilis transglutaminase (Tgl) and its preliminary crystallographic characterization. Protein Expression and Purification, 2008, 59, 1-8.	0.6	18
72	A LysM Domain Intervenes in Sequential Protein-Protein and Protein-Peptidoglycan Interactions Important for Spore Coat Assembly in <i>Bacillus subtilis</i>. Journal of Bacteriology, 2019, 201, .	1.0	18

#	Article	IF	Citations
73	A Negative Feedback Loop That Limits the Ectopic Activation of a Cell Typeâ€"Specific Sporulation Sigma Factor of Bacillus subtilis. PLoS Genetics, 2011, 7, e1002220.	1.5	16
74	Processing of a Membrane Protein Required for Cell-to-Cell Signaling during Endospore Formation in Bacillus subtilis. Journal of Bacteriology, 2008, 190, 7786-7796.	1.0	15
75	Albumin-binding domain from Streptococcus zooepidemicus protein Zag as a novel strategy to improve the half-life of therapeutic proteins. Journal of Biotechnology, 2017, 253, 23-33.	1.9	14
76	SpoVID functions as a nonâ€competitive hub that connects the modules for assembly of the inner and outer spore coat layers in <i>Bacillus subtilis</i>. Molecular Microbiology, 2018, 110, 576-595.	1.2	14
77	A Gene Encoding a Holin-Like Protein Involved in Spore Morphogenesis and Spore Germination in Bacillus subtilis. Journal of Bacteriology, 2005, 187, 6443-6453.	1.0	13
78	Dual-Specificity Anti-sigma Factor Reinforces Control of Cell-Type Specific Gene Expression in Bacillus subtilis. PLoS Genetics, 2015, 11, e1005104.	1.5	13
79	Requirement for the Cell Division Protein DivIB in Polar Cell Division and Engulfment during Sporulation in Bacillus subtilis. Journal of Bacteriology, 2006, 188, 7677-7685.	1.0	12
80	<i>Clostridioides difficile para</i> -Cresol Production Is Induced by the Precursor <i>para</i> -Hydroxyphenylacetate. Journal of Bacteriology, 2020, 202, .	1.0	12
81	Overview of Clostridium difficile Infection: Life Cycle, Epidemiology, Antimicrobial Resistance and Treatment. , 0, , .		9
82	Autoregulation of SafA Assembly through Recruitment of a Protein Cross-Linking Enzyme. Journal of Bacteriology, 2018, 200, .	1.0	9
83	The Morphogenetic Protein CotE Positions Exosporium Proteins CotY and ExsY during Sporulation of Bacillus cereus. MSphere, 2021, 6, .	1.3	9
84	CD25890, a conserved protein that modulates sporulation initiation in Clostridioides difficile. Scientific Reports, 2021, 11, 7887.	1.6	7
85	Temporal and spatial regulation of protein cross-linking by the pre-assembled substrates of a Bacillus subtilis spore coat transglutaminase. PLoS Genetics, 2019, 15, e1007912.	1.5	6
86	Structural insights into ring-building motif domains involved in bacterial sporulation. Journal of Structural Biology, 2022, 214, 107813.	1.3	6
87	Rethinking the Niche of Upper-Atmosphere Bacteria: Draft Genome Sequences of Bacillus aryabhattai C765 and Bacillus aerophilus C772, Isolated from Rice Fields. Genome Announcements, 2015, 3, .	0.8	4
88	A Conserved Cysteine Residue of Bacillus subtilis SpoIIIJ Is Important for Endospore Development. PLoS ONE, 2014, 9, e99811.	1.1	4
89	Adaptive Strategies and Pathogenesis of Clostridium difficile from <i>In Vivo</i> Transcriptomics. Infection and Immunity, 2014, 82, 914-914.	1.0	2
90	Chemical shift assignments and secondary structure determination of the ectodomain of Bacillus subtilis morphogenic protein RodZ. Biomolecular NMR Assignments, 2015, 9, 285-288.	0.4	2

#	Article	IF	Citations
91	ISOLATION OF THE ANTIMICROBIAL CYCLIC PEPTIDE SUBTILOSIN A FROM A GUT-ASSOCIATED <i>BACILLUS SUBTILIS</i> STRAIN. American Journal of Biochemistry and Biotechnology, 2013, 9, 307-317.	0.1	1