Brian M M Ahmer

List of Publications by Year
in descending order

58	4,277	117625	149698
papers	citations	34 h-index	56 g-index

58	58	58	4223
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimization of proteomics sample preparation for identification of host and bacterial proteins in mouse feces. Analytical and Bioanalytical Chemistry, 2022, 414, 2317.	3.7	3
2	Sugar-Phosphate Toxicities. Microbiology and Molecular Biology Reviews, 2021, 85, e0012321.	6.6	19
3	Role of CsrA in stress responses and metabolism important for Salmonella virulence revealed by integrated transcriptomics. PLoS ONE, 2019, 14, e0211430.	2.5	55
4	Integrated Use of Biochemical, Native Mass Spectrometry, Computational, and Genome-Editing Methods to Elucidate the Mechanism of a deglycase. Journal of Molecular Biology, 2019, 431, 4497-4513.	4.2	9
5	Salmonella-Mediated Inflammation Eliminates Competitors for Fructose-Asparagine in the Gut. Infection and Immunity, 2018, 86, .	2.2	12
6	Identification of Bacterial Species That Can Utilize Fructose-Asparagine. Applied and Environmental Microbiology, 2018, 84, .	3.1	15
7	Measurement of Fructoseâ€“Asparagine Concentrations in Human and Animal Foods. Journal of Agricultural and Food Chemistry, 2018, 66, 212-217.	5.2	15
8	Methods to Study Solo/Orphan Quorum-Sensing Receptors. Methods in Molecular Biology, 2018, 1673, 145-159.	0.9	6
9	MPLEx: a method for simultaneous pathogen inactivation and extraction of samples for multi-omics profiling. Analyst, The, 2017, 142, 442-448.	3.5	43
10	Chemical and pathogen-induced inflammation disrupt the murine intestinal microbiome. Microbiome, 2017, 5, 47.	11.1	125
11	Salmonella FraE, an Asparaginase Homolog, Contributes to Fructose-Asparagine but Not Asparagine Utilization. Journal of Bacteriology, 2017, 199, .	2.2	10
12	The commensal microbiota exacerbate infectious colitis in stressor-exposed mice. Brain, Behavior, and Immunity, 2017, 60, 44-50.	4.1	42
13	A metabolic intermediate of the fructose-asparagine utilization pathway inhibits growth of a Salmonella fraB mutant. Scientific Reports, 2016, 6, 28117.	3.3	21
14	Use of Attenuated but Metabolically Competent Salmonella as a Probiotic To Prevent or Treat Salmonella Infection. Infection and Immunity, 2016, 84, 2131-2140.	2.2	13
15	Inflammation-associated alterations to the intestinal microbiota reduce colonization resistance against non-typhoidal Salmonella during concurrent malaria parasite infection. Scientific Reports, 2015, 5, 14603.	3.3	65
16	Editorial: LuxR Solos are Becoming Major Players in Cellâ€“Cell Communication in Bacteria. Frontiers in Cellular and Infection Microbiology, 2015, 5, 89.	3.9	21
17	Genomic Targets and Features of BarA-UvrY (-SirA) Signal Transduction Systems. PLoS ONE, 2015, 10, e0145035.	2.5	92
18	Identification of sdiA-regulated genes in a mouse commensal strain of Enterobacter cloacae. Frontiers in Cellular and Infection Microbiology, 2015, 5, 47.	3.9	15

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19	Regulation of Bacterial Virulence by Csr (Rsm) Systems. Microbiology and Molecular Biology Reviews, 2015, 79, 193-224.	6.6	309
20	In this issue ofGut Microbes. Gut Microbes, 2014, 5, 83-85.	9.8	0
21	Fructose-Asparagine Is a Primary Nutrient during Growth of Salmonella in the Inflamed Intestine. PLoS Pathogens, 2014, 10, e1004209.	4.7	65
22	Yersinia enterocolitica Inhibits Salmonella enterica Serovar Typhimurium and Listeria monocytogenes Cellular Uptake. Infection and Immunity, 2014, 82, 174-183.	2.2	4
23	The SdiA-Regulated Gene srgE Encodes a Type III Secreted Effector. Journal of Bacteriology, 2014, 196, 2301-2312.	2.2	18
24	Global effects of the <scp>DEAD</scp>â€box <scp>RNA</scp> helicase <scp>DeaD</scp> (<scp>CsdA</scp>) on gene expression over a broad range of temperatures. Molecular Microbiology, 2014, 92, 945-958.	2.5	58
25	The intestinal fatty acid propionate inhibits <scp>S</scp>almonella invasion through the postâ€translational control of <scp><scp>HilD</scp></scp>. Molecular Microbiology, 2013, 87, 1045-1060.	2.5	134
26	Are There Acyl-Homoserine Lactones within Mammalian Intestines?. Journal of Bacteriology, 2013, 195, 173-179.	2.2	55
27	Distinct Populations of Innate CD8+ T Cells Revealed in a CXCR3 Reporter Mouse. Journal of Immunology, 2013, 190, 2229-2240.	0.8	29
28	More Evidence for Secretion Signals within the mRNA of Type 3 Secreted Effectors. Journal of Bacteriology, 2013, 195, 2117-2118.	2.2	0
29	The Acyl Homoserine Lactone Receptor, SdiA, of Escherichia coli and Salmonella enterica Serovar Typhimurium Does Not Respond to Indole. Applied and Environmental Microbiology, 2012, 78, 5424-5431.	3.1	50
30	The intestinal microbiota are necessary for stressor-induced enhancement of splenic macrophage microbicidal activity. Brain, Behavior, and Immunity, 2012, 26, 371-382.	4.1	59
31	High-throughput comparison of gene fitness among related bacteria. BMC Genomics, 2012, 13, 212.	2.8	26
32	Virulence of 32 Salmonella Strains in Mice. PLoS ONE, 2012, 7, e36043.	2.5	19
33	ExpI and PhzI Are Descendants of the Long Lost Cognate Signal Synthase for SdiA. PLoS ONE, 2012, 7, e47720.	2.5	20
34	Detection of acyl-homoserine lactones by Escherichia and Salmonella. Current Opinion in Microbiology, 2011, 14, 188-193.	5.1	71
35	Interaction of Salmonella spp. with the Intestinal Microbiota. Frontiers in Microbiology, 2011, 2, 101.	3.5	60
36	Salmonella SdiA Recognizes N-acyl Homoserine Lactone Signals from Pectobacterium carotovorum in Vitro, but Not in a Bacterial Soft Rot. Molecular Plant-Microbe Interactions, 2010, 23, 273-282.	2.6	38

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37	E. coli K-12 and EHEC Genes Regulated by SdiA. PLoS ONE, 2010, 5, e8946.	2.5	69
38	Salmonella enterica Serovar Typhimurium Can Detect Acyl Homoserine Lactone Production by Yersinia enterocolitica in Mice. Journal of Bacteriology, 2010, 192, 29-37.	2.2	90
39	SdiA, an N-Acylhomoserine Lactone Receptor, Becomes Active during the Transit of Salmonella enterica through the Gastrointestinal Tract of Turtles. PLoS ONE, 2008, 3, e2826.	2.5	82
40	Systematic analysis of the regulation of type three secreted effectors in Salmonella enterica serovar Typhimurium. BMC Microbiology, 2007, 7, 3.	3.3	10
41	Methods in Cell-to-Cell Signaling in Salmonella. Methods in Molecular Biology, 2007, 394, 307-322.	0.9	10
42	Catabolite repression of the SirA regulatory cascade in Salmonella enterica. International Journal of Medical Microbiology, 2006, 296, 449-466.	3.6	55
43	STAT-1-mediated repression of monocyte interleukin-10 gene expressionin vivo. European Journal of Immunology, 2006, 36, 623-630.	2.9	31
44	Contribution of the SirA regulon to biofilm formation in Salmonella enterica serovar Typhimurium. Microbiology (United Kingdom), 2006, 152, 3411-3424.	1.8	84
45	Effect of sdiA on Biosensors of N -Acylhomoserine Lactones. Journal of Bacteriology, 2005, 187, 5054-5058.	2.2	95
46	Regulation of Enteric Endophytic Bacterial Colonization by Plant Defenses. Molecular Plant-Microbe Interactions, 2005, 18, 169-178.	2.6	282
47	Cell-to-cell signalling in Escherichia coli and Salmonella enterica. Molecular Microbiology, 2004, 52, 933-945.	2.5	295
48	Detection of Other Microbial Species bySalmonella: Expression of the SdiA Regulon. Journal of Bacteriology, 2003, 185, 1357-1366.	2.2	146
49	Kinetics and Strain Specificity of Rhizosphere and Endophytic Colonization by Enteric Bacteria on Seedlings of Medicago sativa and Medicago truncatula. Applied and Environmental Microbiology, 2003, 69, 1783-1790.	3.1	196
50	Pathways Leading from BarA/SirA to Motility andVirulence Gene Expression inSalmonella. Journal of Bacteriology, 2003, 185, 7257-7265.	2.2	144
51	SdiA of Salmonella enterica Is a LuxR Homolog That Detects Mixed Microbial Communities. Journal of Bacteriology, 2001, 183, 5733-5742.	2.2	274
52	SirA Orthologs Affect both Motility and Virulence. Journal of Bacteriology, 2001, 183, 2249-2258.	2.2	98
53	Salmonella SirA is a global regulator of genes mediating enteropathogenesis. Molecular Microbiology, 1999, 31, 971-982.	2.5	180
54	Salmonella typhimurium recognition of intestinal environments: Response. Trends in Microbiology, 1999, 7, 222-223.	7.7	6

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55	The Virulence Plasmid of Salmonella typhimurium Is Self-Transmissible. Journal of Bacteriology, 1999, 181, 1364-1368.	2.2	106
56	Salmonella typhimurium Encodes an SdiA Homolog, a Putative Quorum Sensor of the LuxR Family, That Regulates Genes on the Virulence Plasmid. Journal of Bacteriology, 1998, 180, 1185-1193.	2.2	212
57	Contribution of horizontal gene transfer and deletion events to development of distinctive patterns of fimbrial operons during evolution of Salmonella serotypes. Journal of Bacteriology, 1997, 179, 317-322.	2.2	116
58	Characterization of the exbBD operon of Escherichia coli and the role of ExbB and ExbD in TonB function and stability. Journal of Bacteriology, 1995, 177, 4742-4747.	2.2	100