Andreas J Baumler

List of Publications by Year
in descending order

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226 papers	24,719 citations	5268 83 h-index	8167 148 g-index
276 all docs	276 docs citations	276 times ranked	21002 citing authors

#	Article	IF	Citations
1	Gut inflammation provides a respiratory electron acceptor for Salmonella. Nature, 2010, 467, 426-429.	27.8	1,036
2	Interactions between the microbiota and pathogenic bacteria in the gut. Nature, 2016, 535, 85-93.	27.8	974
3	Host-Derived Nitrate Boosts Growth of E. coli in the Inflamed Gut. Science, 2013, 339, 708-711.	12.6	798
4	Microbiota-activated PPAR-Î³ signaling inhibits dysbiotic Enterobacteriaceae expansion. Science, 2017, 357, 570-575.	12.6	796
5	Phase and Antigenic Variation in Bacteria. Clinical Microbiology Reviews, 2004, 17, 581-611.	13.6	664
6	Extraintestinal dissemination of Salmonella by CD18-expressing phagocytes. Nature, 1999, 401, 804-808.	27.8	606
7	Depletion of Butyrate-Producing Clostridia from the Gut Microbiota Drives an Aerobic Luminal Expansion of Salmonella. Cell Host and Microbe, 2016, 19, 443-454.	11.0	600
8	Intestinal inflammation allows Salmonella to use ethanolamine to compete with the microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17480-17485.	7.1	551
9	Simian immunodeficiency virusâ€“induced mucosal interleukin-17 deficiency promotes Salmonella dissemination from the gut. Nature Medicine, 2008, 14, 421-428.	30.7	509
10	Lipocalin-2 Resistance Confers an Advantage to Salmonella enterica Serotype Typhimurium for Growth and Survival in the Inflamed Intestine. Cell Host and Microbe, 2009, 5, 476-486.	11.0	444
11	Dysbiotic Proteobacteria expansion: a microbial signature of epithelial dysfunction. Current Opinion in Microbiology, 2017, 39, 1-6.	5.1	420
12	Colonocyte metabolism shapes the gut microbiota. Science, 2018, 362, .	12.6	411
13	NOD1 and NOD2 signalling links ER stress with inflammation. Nature, 2016, 532, 394-397.	27.8	396
14	Precision editing of the gut microbiota ameliorates colitis. Nature, 2018, 553, 208-211.	27.8	377
15	Animal models of infections: enteritis versus typhoid fever. Microbes and Infection, 2001, 3, 1335-1344.	1.9	371
16	Fur Regulon in Gram-negative Bacteria. Journal of Molecular Biology, 1994, 236, 531-545.	4.2	365
17	Non-typhoidal salmonellosis: emerging problems. Microbes and Infection, 2001, 3, 237-247.	1.9	342
18	Human Î±-Defensin 6 Promotes Mucosal Innate Immunity Through Self-Assembled Peptide Nanonets. Science, 2012, 337, 477-481.	12.6	337

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19	Evolution of the Chaperone/Usher Assembly Pathway: Fimbrial Classification Goes Greek. Microbiology and Molecular Biology Reviews, 2007, 71, 551-575.	6.6	283
20	Molecular Pathogenesis of Salmonella enterica Serotype Typhimurium-Induced Diarrhea. Infection and Immunity, 2003, 71, 1-12.	2.2	273
21	The lpf fimbrial operon mediates adhesion of Salmonella typhimurium to murine Peyer's patches.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 279-283.	7.1	272
22	The dynamics of gutâ€associated microbial communities during inflammation. EMBO Reports, 2013, 14, 319-327.	4.5	263
23	SipA, SopA, SopB, SopD, and SopE2 Contribute to Salmonella enterica Serotype Typhimurium Invasion of Epithelial Cells. Infection and Immunity, 2005, 73, 146-154.	2.2	258
24	Salmonella enterica Serotype Typhimurium and Its Host-Adapted Variants. Infection and Immunity, 2002, 70, 2249-2255.	2.2	255
25	Salmonella typhimurium leucine-rich repeat proteins are targeted to the SPI1 and SPI2 type III secretion systems. Molecular Microbiology, 1999, 34, 850-864.	2.5	253
26	The Salmonella enterica Serotype Typhimurium Effector Proteins SipA, SopA, SopB, SopD, and SopE2 Act in Concert To Induce Diarrhea in Calves. Infection and Immunity, 2002, 70, 3843-3855.	2.2	249
27	EPIDEMIOLOGY:Enhanced: Tracing the Origins of Salmonella Outbreaks. Science, 2000, 287, 50-52.	12.6	231
28	Virulent Salmonella typhimurium has two periplasmic Cu, Zn-superoxide dismutases. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7502-7507.	7.1	220
29	Manipulation of small Rho GTPases is a pathogen-induced process detected by NOD1. Nature, 2013, 496, 233-237.	27.8	210
30	Oxygen as a driver of gut dysbiosis. Free Radical Biology and Medicine, 2017, 105, 93-101.	2.9	208
31	Host adaptation and the emergence of infectious disease: the Salmonella paradigm. Molecular Microbiology, 2000, 36, 1006-1014.	2.5	199
32	Phage-Mediated Acquisition of a Type III Secreted Effector Protein Boosts Growth of Salmonella by Nitrate Respiration. MBio, 2012, 3, .	4.1	194
33	The Vi Capsular Antigen of Salmonella enterica Serotype Typhi Reduces Toll-Like Receptor-Dependent Interleukin-8 Expression in the Intestinal Mucosa. Infection and Immunity, 2005, 73, 3367-3374.	2.2	176
34	Streptomycin-Induced Inflammation Enhances Escherichia coli Gut Colonization Through Nitrate Respiration. MBio, 2013, 4, .	4.1	176
35	Life in the inflamed intestine, Salmonella style. Trends in Microbiology, 2009, 17, 498-506.	7.7	172
36	Salmonella bongori Provides Insights into the Evolution of the Salmonellae. PLoS Pathogens, 2011, 7, e1002191.	4.7	171

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37	The Salmonella enterica Serotype Typhimurium lpf, bcf, stb, stc, std, and sth Fimbrial Operons Are Required for Intestinal Persistence in Mice. Infection and Immunity, 2005, 73, 3358-3366.	2.2	169
38	Molecular and Phenotypic Analysis of the CS54 Island of Salmonella enterica Serotype Typhimurium: Identification of Intestinal Colonization and Persistence Determinants. Infection and Immunity, 2003, 71, 629-640.	2.2	167
39	Salmonella enterica Serovar Typhi Possesses a Unique Repertoire of Fimbrial Gene Sequences. Infection and Immunity, 2001, 69, 2894-2901.	2.2	166
40	Comparative Analysis of Salmonella Genomes Identifies a Metabolic Network for Escalating Growth in the Inflamed Gut. MBio, 2014, 5, e00929-14.	4.1	165
41	Host Specificity of Bacterial Pathogens. Cold Spring Harbor Perspectives in Medicine, 2013, 3, a010041-a010041.	6.2	160
42	Commensal Enterobacteriaceae Protect against Salmonella Colonization through Oxygen Competition. Cell Host and Microbe, 2019, 25, 128-139.e5.	11.0	159
43	The use of flow cytometry to detect expression of subunits encoded by 11 Salmonella enterica serotype Typhimurium fimbrial operons. Molecular Microbiology, 2003, 48, 1357-1376.	2.5	156
44	Identification of a new iron regulated locus of Salmonella typhi. Gene, 1996, 183, 207-213.	2.2	154
45	CsgA is a pathogen-associated molecular pattern of Salmonellaâ€ƒenterica serotype Typhimurium that is recognized by Toll-like receptor 2. Molecular Microbiology, 2005, 58, 289-304.	2.5	153
46	Dysbiosis in the inflamed intestine. Gut Microbes, 2014, 5, 71-73.	9.8	153
47	Interleukin-23 Orchestrates Mucosal Responses to Salmonella enterica Serotype Typhimurium in the Intestine. Infection and Immunity, 2009, 77, 387-398.	2.2	152
48	Virulence factors enhance Citrobacter rodentium expansion through aerobic respiration. Science, 2016, 353, 1249-1253.	12.6	150
49	Salmonella enterica serotype Typhimurium MisL is an intestinal colonization factor that binds fibronectin. Molecular Microbiology, 2005, 57, 196-211.	2.5	149
50	PPARÎ³-Mediated Increase in Glucose Availability Sustains Chronic Brucella abortus Infection in Alternatively Activated Macrophages. Cell Host and Microbe, 2013, 14, 159-170.	11.0	145
51	Responses to Amyloids of Microbial and Host Origin Are Mediated through Toll-like Receptor 2. Cell Host and Microbe, 2009, 6, 45-53.	11.0	142
52	Endogenous Enterobacteriaceae underlie variation in susceptibility to Salmonella infection. Nature Microbiology, 2019, 4, 1057-1064.	13.3	141
53	Salmonella Uses Energy Taxis to Benefit from Intestinal Inflammation. PLoS Pathogens, 2013, 9, e1003267.	4.7	139
54	Respiration of Microbiota-Derived 1,2-propanediol Drives Salmonella Expansion during Colitis. PLoS Pathogens, 2017, 13, e1006129.	4.7	139

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55	Toll-like receptors 1 and 2 cooperatively mediate immune responses to curli, a common amyloid from enterobacterial biofilms. Cellular Microbiology, 2010, 12, 1495-1505.	2.1	138
56	Now you see me, now you don't: the interaction of Salmonella with innate immune receptors. Nature Reviews Microbiology, 2015, 13, 206-216.	28.6	135
57	Inhibiting antibiotic-resistant Enterobacteriaceae by microbiota-mediated intracellular acidification. Journal of Experimental Medicine, 2019, 216, 84-98.	8.5	135
58	T Cells Help To Amplify Inflammatory Responses Induced bySalmonella entericaSerotype Typhimurium in the Intestinal Mucosa. Infection and Immunity, 2008, 76, 2008-2017.	2.2	133
59	From bench to bedside: stealth of enteroinvasive pathogens. Nature Reviews Microbiology, 2008, 6, 883-892.	28.6	132
60	Host-mediated sugar oxidation promotes post-antibiotic pathogen expansion. Nature, 2016, 534, 697-699.	27.8	132
61	High-fat dietâ€“induced colonocyte dysfunction escalates microbiota-derived trimethylamine N -oxide. Science, 2021, 373, 813-818.	12.6	132
62	The record of horizontal gene transfer in Salmonella. Trends in Microbiology, 1997, 5, 318-322.	7.7	128
63	The Pyromaniac Inside You: Salmonella Metabolism in the Host Gut. Annual Review of Microbiology, 2015, 69, 31-48.	7.3	128
64	Of Mice, Calves, and Men. Advances in Experimental Medicine and Biology, 1999, , 261-274.	1.6	127
65	The microbiome and gut homeostasis. Science, 2022, 377, .	12.6	127
66	The Vi-capsule prevents Toll-like receptor 4 recognition of Salmonella. Cellular Microbiology, 2008, 10, 876-890.	2.1	122
67	Morphologic and Molecular Characterization of Salmonella typhimurium Infection in Neonatal Calves. Veterinary Pathology, 2002, 39, 200-215.	1.7	121
68	How To Become a Top Model: Impact of Animal Experimentation on Human Salmonella Disease Research. Infection and Immunity, 2011, 79, 1806-1814.	2.2	121
69	The germ-organ theory of non-communicable diseases. Nature Reviews Microbiology, 2018, 16, 103-110.	28.6	117
70	Ferrioxamine uptake in Yersinia enterocolitica: characterization of the receptor protein FoxA. Molecular Microbiology, 1992, 6, 1309-1321.	2.5	113
71	Th17 cells, HIV and the gut mucosal barrier. Current Opinion in HIV and AIDS, 2010, 5, 173-178.	3.8	111
72	The shdA Gene Is Restricted to Serotypes of Salmonella enterica Subspecies I and Contributes to Efficient and Prolonged Fecal Shedding. Infection and Immunity, 2000, 68, 2720-2727.	2.2	110

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73	Salmonella, the host and its microbiota. Current Opinion in Microbiology, 2012, 15, 108-114.	5.1	110
74	Salmonella enterica serotype Typhimurium ShdA is an outer membrane fibronectin-binding protein that is expressed in the intestine. Molecular Microbiology, 2002, 43, 895-905.	2.5	105
75	The Periplasmic Nitrate Reductase NapABC Supports Luminal Growth of Salmonella enterica Serovar Typhimurium during Colitis. Infection and Immunity, 2015, 83, 3470-3478.	2.2	105
76	Obesity treatment by epigallocatechinâ€3â€gallateâ^'regulated bile acid signaling and its enrichedAkkermansia muciniphila. FASEB Journal, 2018, 32, 6371-6384.	0.5	103
77	Salmonella enterica serotype Typhimurium Std fimbriae bind terminal Î±(1,2)fucose residues in the cecal mucosa. Molecular Microbiology, 2009, 71, 864-875.	2.5	102
78	Capsule-Mediated Immune Evasion: a New Hypothesis Explaining Aspects of Typhoid Fever Pathogenesis. Infection and Immunity, 2006, 74, 19-27.	2.2	99
79	The Vi Capsular Polysaccharide Prevents Complement Receptor 3-Mediated Clearance of Salmonella enterica Serotype Typhi. Infection and Immunity, 2011, 79, 830-837.	2.2	91
80	CD4+ T Cell-derived IL-10 Promotes Brucella abortus Persistence via Modulation of Macrophage Function. PLoS Pathogens, 2013, 9, e1003454.	4.7	91
81	Toll-like Receptor and Inflammasome Signals Converge to Amplify the Innate Bactericidal Capacity of T Helper 1 Cells. Immunity, 2014, 40, 213-224.	14.3	90
82	Nitrate, nitrite and nitric oxide reductases: from the last universal common ancestor to modern bacterial pathogens. Current Opinion in Microbiology, 2016, 29, 1-8.	5.1	89
83	Spatial Segregation of Virulence Gene Expression during Acute Enteric Infection with Salmonella enterica serovar Typhimurium. MBio, 2014, 5, e00946-13.	4.1	88
84	High-Fat Diet and Antibiotics Cooperatively Impair Mitochondrial Bioenergetics to Trigger Dysbiosis that Exacerbates Pre-inflammatory Bowel Disease. Cell Host and Microbe, 2020, 28, 273-284.e6.	11.0	88
85	Salmonella versus the Microbiome. Microbiology and Molecular Biology Reviews, 2021, 85, .	6.6	88
86	Contribution of Flagellin Pattern Recognition to Intestinal Inflammation duringSalmonella entericaSerotype Typhimurium Infection. Infection and Immunity, 2009, 77, 1904-1916.	2.2	86
87	Role of fimbriae as antigens and intestinal colonization factors of Salmonella serovars. FEMS Microbiology Letters, 2001, 201, 121-125.	1.8	85
88	The Salmonella enterica serotype Typhi regulator TviA reduces interleukin-8 production in intestinal epithelial cells by repressing flagellin secretion. Cellular Microbiology, 2007, 10, 070827234913001-???.	2.1	85
89	Taming the Elephant: Salmonella Biology, Pathogenesis, and Prevention. Infection and Immunity, 2010, 78, 2356-2369.	2.2	85
90	Why related bacterial species bloom simultaneously in the gut: principles underlying the â€˜Like will to likeâ€™ concept. Cellular Microbiology, 2014, 16, 179-184.	2.1	85

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91	The Capsule Encoding the viaB Locus Reduces Interleukin-17 Expression and Mucosal Innate Responses in the Bovine Intestinal Mucosa during Infection with Salmonella enterica Serotype Typhi. Infection and Immunity, 2007, 75, 4342-4350.	2.2	83
92	Clinical pathogenesis of typhoid fever. Journal of Infection in Developing Countries, 2008, 2, 260-6.	1.2	81
93	â€˜Form variationâ€™ of the O12 antigen is critical for persistence of Salmonella Typhimurium in the murine intestine. Molecular Microbiology, 2008, 70, 1105-1119.	2.5	80
94	Colonization Resistance: Battle of the Bugs or MÃ©nage Ã Trois with the Host?. PLoS Pathogens, 2013, 9, e1003730.	4.7	79
95	The TviA auxiliary protein renders the Salmonella enterica serotype Typhi RcsB regulon responsive to changes in osmolarity. Molecular Microbiology, 2009, 74, 175-193.	2.5	77
96	Healthy hosts rule within: ecological forces shaping the gut microbiota. Mucosal Immunology, 2018, 11, 1299-1305.	6.0	75
97	Temporal Expression of Bacterial Proteins Instructs Host CD4 T Cell Expansion and Th17 Development. PLoS Pathogens, 2012, 8, e1002499.	4.7	73
98	Secreted Effector Proteins of Salmonella enterica Serotype Typhimurium Elicit Host-Specific Chemokine Profiles in Animal Models of Typhoid Fever and Enterocolitis. Infection and Immunity, 2003, 71, 4795-4803.	2.2	72
99	Early Mucosal Sensing of SIV Infection by Paneth Cells Induces IL-1Î² Production and Initiates Gut Epithelial Disruption. PLoS Pathogens, 2014, 10, e1004311.	4.7	71
100	The impact of intestinal inflammation on the nutritional environment of the gut microbiota. Immunology Letters, 2014, 162, 48-53.	2.5	71
101	Salmonella enterica Serovar Typhimurium Induces Cell Death in Bovine Monocyte-Derived Macrophages by Early sipB-Dependent and DelayedsipB-Independent Mechanisms. Infection and Immunity, 2001, 69, 2293-2301.	2.2	70
102	Dysbiosis: from fiction to function. American Journal of Physiology - Renal Physiology, 2019, 317, G602-G608.	3.4	70
103	The Vi Capsular Polysaccharide Enables Salmonella enterica Serovar Typhi to Evade Microbe-Guided Neutrophil Chemotaxis. PLoS Pathogens, 2014, 10, e1004306.	4.7	68
104	The founder hypothesis: A basis for microbiota resistance, diversity in taxa carriage, and colonization resistance against pathogens. PLoS Pathogens, 2019, 15, e1007563.	4.7	67
105	Regulation of the Salmonella enterica std Fimbrial Operon by DNA Adenine Methylation, SeqA, and HdfR. Journal of Bacteriology, 2008, 190, 7406-7413.	2.2	60
106	Salmonella-Induced Cell Death Is Not Required for Enteritis in Calves. Infection and Immunity, 2001, 69, 4610-4617.	2.2	59
107	ASalmonellaVirulence Factor Activates the NOD1/NOD2 Signaling Pathway. MBio, 2011, 2, .	4.1	59
108	A breathtaking feat. Gut Microbes, 2011, 2, 58-60.	9.8	59

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109	A Rapid Change in Virulence Gene Expression during the Transition from the Intestinal Lumen into Tissue Promotes Systemic Dissemination of Salmonella. PLoS Pathogens, 2010, 6, e1001060.	4.7	58
110	Cell tropism of Salmonella enterica. International Journal of Medical Microbiology, 2004, 294, 225-233.	3.6	57
111	Salmonella enterica Serotype Typhimurium Fimbrial Proteins Serve as Antigens during Infection of Mice. Infection and Immunity, 2005, 73, 5329-5338.	2.2	57
112	Very Long O-antigen Chains Enhance Fitness during Salmonella-induced Colitis by Increasing Bile Resistance. PLoS Pathogens, 2012, 8, e1002918.	4.7	57
113	Phage mediated horizontal transfer of thesopE1gene increases enteropathogenicity ofSalmonella entericaserotype Typhimurium for calves. FEMS Microbiology Letters, 2002, 217, 243-247.	1.8	56
114	5-Aminosalicylic Acid Ameliorates Colitis and Checks Dysbiotic Escherichia coli Expansion by Activating PPAR-Î³ Signaling in the Intestinal Epithelium. MBio, 2021, 12, .	4.1	56
115	A novel CsrA titration mechanism regulates fimbrial gene expression in Salmonella typhimurium. EMBO Journal, 2013, 32, 2872-2883.	7.8	51
116	SspA Is Required for Lethal Salmonella enterica Serovar Typhimurium Infections in Calves but Is Not Essential for Diarrhea. Infection and Immunity, 2000, 68, 3158-3163.	2.2	50
117	TheSalmonella entericaSerotype Typhi Vi Capsular Antigen Is Expressed after the Bacterium Enters the Ileal Mucosa. Infection and Immunity, 2010, 78, 527-535.	2.2	50
118	Salmonellosis in cattle: Advantages of being an experimental model. Research in Veterinary Science, 2012, 93, 1-6.	1.9	50
119	Collateral Damage: Microbiota-Derived Metabolites and Immune Function in the Antibiotic Era. Cell Host and Microbe, 2014, 16, 156-163.	11.0	50
120	Loss of Very-Long O-Antigen Chains Optimizes Capsule-Mediated Immune Evasion by Salmonella enterica Serovar Typhi. MBio, 2013, 4, .	4.1	48
121	Genetic Ablation of Butyrate Utilization Attenuates Gastrointestinal Salmonella Disease. Cell Host and Microbe, 2018, 23, 266-273.e4.	11.0	48
122	Nodâ€like receptors are critical for gutâ€“brain axis signalling in mice. Journal of Physiology, 2019, 597, 5777-5797.	2.9	48
123	Limited Role for Iron Regulation in Coxiella burnetii Pathogenesis. Infection and Immunity, 2008, 76, 2189-2201.	2.2	47
124	Energy Taxis toward Host-Derived Nitrate Supports a Salmonella Pathogenicity Island 1-Independent Mechanism of Invasion. MBio, 2016, 7, .	4.1	47
125	Phase variation of the lpf operon is a mechanism to evade cross-immunity between Salmonella serotypes. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13393-13398.	7.1	46
126	The ShdA adhesin binds to the cationic cradle of the fibronectin 13FnIII repeat module: evidence for molecular mimicry of heparin binding. Molecular Microbiology, 2004, 52, 345-355.	2.5	46

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127	Salmonella enterica Serovar Typhi Conceals the Invasion-Associated Type Three Secretion System from the Innate Immune System by Gene Regulation. PLoS Pathogens, 2014, 10, e1004207.	4.7	46
128	Host Restriction of Salmonella enterica Serotype Typhi Is Not Caused by Functional Alteration of SipA, SopB, or SopD. Infection and Immunity, 2005, 73, 7817-7826.	2.2	45
129	The Capsule-Encoding viaB Locus Reduces Intestinal Inflammation by a Salmonella Pathogenicity Island 1-Independent Mechanism. Infection and Immunity, 2009, 77, 2932-2942.	2.2	45
130	Binding Specificity of Salmonella Plasmid-encoded Fimbriae Assessed by Glycomics. Journal of Biological Chemistry, 2008, 283, 8118-8124.	3.4	44
131	Increased Epithelial Oxygenation Links Colitis to an Expansion of Tumorigenic Bacteria. MBio, 2019, 10, .	4.1	44
132	The TonB protein of Yersinia enterocolitica and its interactions with TonB-box proteins. Molecular Genetics and Genomics, 1993, 237-237, 152-160.	2.4	43
133	The Blessings and Curses of Intestinal Inflammation. Cell Host and Microbe, 2010, 8, 36-43.	11.0	43
134	Colonization resistance: The deconvolution of a complex trait. Journal of Biological Chemistry, 2017, 292, 8577-8581.	3.4	42
135	Hematologic and serum biochemical changes inSalmonellaser Typhimurium-infected calves. American Journal of Veterinary Research, 2002, 63, 1145-1150.	0.6	41
136	Role of SPI-1 Secreted Effectors in Acute Bovine Response to Salmonella enterica Serovar Typhimurium: A Systems Biology Analysis Approach. PLoS ONE, 2011, 6, e26869.	2.5	41
137	Anaerobic Respiration of NOX1-Derived Hydrogen Peroxide Licenses Bacterial Growth at the Colonic Surface. Cell Host and Microbe, 2020, 28, 789-797.e5.	11.0	41
138	The attenuated sopB mutant of Salmonella enterica serovar Typhimurium has the same tissue distribution and host chemokine response as the wild type in bovine Peyerâ€™s patches. Veterinary Microbiology, 2003, 97, 269-277.	1.9	40
139	Early MyD88-Dependent Induction of Interleukin-17A Expression during Salmonella Colitis. Infection and Immunity, 2011, 79, 3131-3140.	2.2	40
140	Typhoid fever. Gut Microbes, 2012, 3, 88-92.	9.8	40
141	Fibronectin Binding to the Salmonella enterica Serotype Typhimurium ShdA Autotransporter Protein Is Inhibited by a Monoclonal Antibody Recognizing the A3 Repeat. Journal of Bacteriology, 2004, 186, 4931-4939.	2.2	39
142	Neutrophil influx during non-typhoidal salmonellosis: who is in the driver's seat?. FEMS Immunology and Medical Microbiology, 2006, 46, 320-329.	2.7	38
143	MarT Activates Expression of the MisL Autotransporter Protein of Salmonella enterica Serotype Typhimurium. Journal of Bacteriology, 2007, 189, 3922-3926.	2.2	37
144	The Flagellar Regulator TviA Reduces Pyroptosis by Salmonella enterica Serovar Typhi. Infection and Immunity, 2015, 83, 1546-1555.	2.2	36

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145	Neutrophils Are a Source of Gamma Interferon during Acute Salmonella enterica Serovar Typhimurium Colitis. Infection and Immunity, 2014, 82, 1692-1697.	2.2	35
146	Identification of a gut microbiota member that ameliorates DSS-induced colitis in intestinal barrier enhanced Dusp6-deficient mice. Cell Reports, 2021, 37, 110016.	6.4	35
147	Expression and transcriptional control of theSalmonella typhimurium lpffimbrial operon by phase variation. Molecular Microbiology, 1998, 29, 311-320.	2.5	34
148	RosE represses Std fimbrial expression in Salmonella enterica serotype Typhimurium. Molecular Microbiology, 2008, 68, 573-587.	2.5	34
149	Mechanisms to Evade the Phagocyte Respiratory Burst Arose by Convergent Evolution in Typhoidal Salmonella Serovars. Cell Reports, 2018, 22, 1787-1797.	6.4	34
150	Host Restriction of Salmonella enterica Serotype Typhimurium Pigeon Isolates Does Not Correlate with Loss of Discrete Genes. Journal of Bacteriology, 2004, 186, 2619-2628.	2.2	33
151	Survey on Newly Characterized Iron Uptake Systems of Yersinia enterocolitica. Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology, 1993, 278, 416-424.	0.5	32
152	The IL-23 axis in Salmonella gastroenteritis. Cellular Microbiology, 2011, 13, 1639-1647.	2.1	30
153	Detection of enteric pathogens by the nodosome. Trends in Immunology, 2014, 35, 123-130.	6.8	29
154	Host cells subdivide nutrient niches into discrete biogeographical microhabitats for gut microbes. Cell Host and Microbe, 2022, 30, 836-847.e6.	11.0	29
155	Population Heterogeneity of Salmonella enterica Serotype Typhimurium Resulting from Phase Variation of the lpf Operon In Vitro and In Vivo. Journal of Bacteriology, 2002, 184, 2352-2359.	2.2	28
156	Intestinal and chronic infections: Salmonella lifestyles in hostile environments. Environmental Microbiology Reports, 2011, 3, 508-517.	2.4	28
157	High-throughput Assay to Phenotype Salmonella enterica Typhimurium Association, Invasion, and Replication in Macrophages. Journal of Visualized Experiments, 2014, , e51759.	0.3	27
158	How bacterial pathogens use type III and type IV secretion systems to facilitate their transmission. Current Opinion in Microbiology, 2017, 35, 1-7.	5.1	27
159	Gastrointestinal host-pathogen interaction in the age of microbiome research. Current Opinion in Microbiology, 2020, 53, 78-89.	5.1	27
160	Iron acquisition pathways and colonization of the inflamed intestine by Salmonella enterica serovar Typhimurium. International Journal of Medical Microbiology, 2016, 306, 604-610.	3.6	26
161	Microbiota-nourishing Immunity and Its Relevance for Ulcerative Colitis. Inflammatory Bowel Diseases, 2019, 25, 811-815.	1.9	26
162	Salmonella enterica Serotype Typhimurium Elicits Cross-Immunity against a Salmonella enterica Serotype Enteritidis Strain Expressing LP Fimbriae from thelac Promoter. Infection and Immunity, 2001, 69, 204-212.	2.2	25

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163	Salmonella enterica Serovar Typhi Impairs CD4 T Cell Responses by Reducing Antigen Availability. Infection and Immunity, 2014, 82, 2247-2254.	2.2	25
164	Microbiota-Nourishing Immunity: A Guide to Understanding Our Microbial Self. Immunity, 2019, 51, 214-224.	14.3	24
165	Salmonella enterica Typhimurium SipA induces CXC-chemokine expression through p38MAPK and JUN pathways. Microbes and Infection, 2009, 11, 302-310.	1.9	23
166	Morphologic and Cytokine Profile Characterization ofSalmonella entericaSerovar Typhimurium Infection in Calves With Bovine Leukocyte Adhesion Deficiency. Veterinary Pathology, 2010, 47, 322-333.	1.7	22
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