Brian K Coombes

List of Publications by Year
in descending order

104	7,049	53794	64796
papers	citations	45 h-index	79 g-index

107	107	107	9060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	(p)ppGpp-Dependent Regulation of the Nucleotide Hydrolase PpnN Confers Complement Resistance in Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2021, 89, .	2.2	2
2	Emergence of invasive Salmonella in Africa. Nature Microbiology, 2021, 6, 273-274.	13.3	4
3	High-throughput fitness screening and transcriptomics identify a role for a type IV secretion system in the pathogenesis of Crohnâ€™s disease-associated Escherichia coli. Nature Communications, 2021, 12, 2032.	12.8	38
4	Emerging and divergent roles of pyrophosphorylated nucleotides in bacterial physiology and pathogenesis. PLoS Pathogens, 2021, 17, e1009532.	4.7	10
5	Low dietary fiber promotes enteric expansion of a Crohnâ€™s disease-associated pathobiont independent of obesity. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E338-E350.	3.5	7
6	Psychological stress impairs IL22-driven protective gut mucosal immunity against colonising pathobionts. Nature Communications, 2021, 12, 6664.	12.8	26
7	Mimicking the human environment in mice reveals that inhibiting biotin biosynthesis is effective against antibiotic-resistant pathogens. Nature Microbiology, 2020, 5, 93-101.	13.3	25
8	Genetic and Chemical Screening in Human Blood Serum Reveals Unique Antibacterial Targets and Compounds against Klebsiella pneumoniae. Cell Reports, 2020, 32, 107927.	6.4	28
9	Targeting Two-Component Systems Uncovers a Small-Molecule Inhibitor of Salmonella Virulence. Cell Chemical Biology, 2020, 27, 793-805.e7.	5.2	26
10	High-Throughput Chemical Screening for Inhibitors of Salmonella Pathogenicity Island 2. STAR Protocols, 2020, 1, 100057.	1.2	0
11	Evolution-guided discovery of antibiotics that inhibit peptidoglycan remodelling. Nature, 2020, 578, 582-587.	27.8	177
12	Complete Genome Sequence of Citrobacter rodentium Strain DBS100. Microbiology Resource Announcements, 2019, 8, .	0.6	7
13	Host-Specific Adaptive Diversification of Crohnâ€™s Disease-Associated Adherent-Invasive Escherichia coli. Cell Host and Microbe, 2019, 25, 301-312.e5.	11.0	65
14	The Unique Lifestyle of Crohn's Disease-Associated Adherent-Invasive Escherichia coli. Journal of Molecular Biology, 2019, 431, 2970-2981.	4.2	28
15	Endocytosis of commensal antigens by intestinal epithelial cells regulates mucosal T cell homeostasis. Science, 2019, 363, .	12.6	121
16	Duodenal bacterial proteolytic activity determines sensitivity to dietary antigen through protease-activated receptor-2. Nature Communications, 2019, 10, 1198.	12.8	102
17	The Role of the Host in Driving Phenotypic Heterogeneity in Salmonella. Trends in Microbiology, 2019, 27, 508-523.	7.7	21
18	Antibiotics Potentiate Adherent-InvasiveE. coliInfection and Expansion. Inflammatory Bowel Diseases, 2019, 25, 711-721.	1.9	19

#	Article	IF	Citations
19	A macrophage-based screen identifies antibacterial compounds selective for intracellular Salmonella Typhimurium. Nature Communications, 2019, 10, 197.	12.8	59
20	Overcoming mcr-1 mediated colistin resistance with colistin in combination with other antibiotics. Nature Communications, 2018, 9, 458.	12.8	203
21	A polymicrobial view of disease potential in Crohn's-associated adherent-invasive E. coli. Gut Microbes, 2018, 9, 166-174.	9.8	25
22	Regulatory Evolution Drives Evasion of Host Inflammasomes by Salmonella Typhimurium. Cell Reports, 2018, 25, 825-832.e5.	6.4	22
23	Functional diversification of the NleG effector family in enterohemorrhagic Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10004-10009.	7.1	19
24	Molecular basis for CesT recognition of type III secretion effectors in enteropathogenic Escherichia coli. PLoS Pathogens, 2018, 14, e1007224.	4.7	16
25	Pentamidine sensitizes Gram-negative pathogens to antibiotics and overcomes acquired colistin resistance. Nature Microbiology, 2017, 2, 17028.	13.3	256
26	Muramyl Dipeptide-Based Postbiotics Mitigate Obesity-Induced Insulin Resistance via IRF4. Cell Metabolism, 2017, 25, 1063-1074.e3.	16.2	149
27	Evolution of Salmonella-Host Cell Interactions through a Dynamic Bacterial Genome. Frontiers in Cellular and Infection Microbiology, 2017, 7, 428.	3.9	85
28	The transcriptional regulator SsrB is involved in a molecular switch controlling virulence lifestyles of Salmonella. PLoS Pathogens, 2017, 13, e1006497.	4.7	50
29	Acute Infectious Gastroenteritis Potentiates a Crohn's Disease Pathobiont to Fuel Ongoing Inflammation in the Post-Infectious Period. PLoS Pathogens, 2016, 12, e1005907.	4.7	32
30	Bacterial evolution: Making a host-adapted bacterium. Nature Microbiology, 2016, 1, 16010.	13.3	1
31	A Highly Effective Component Vaccine against Nontyphoidal Salmonella enterica Infections. MBio, 2015, 6, e01421-15.	4.1	11
32	Convergence of External Crohnâ€™s Disease Risk Factors on Intestinal Bacteria. Frontiers in Immunology, 2015, 6, 558.	4.8	14
33	Zinc Chelation by a Small-Molecule Adjuvant Potentiates Meropenem Activity in Vivo against NDM-1-Producing Klebsiella pneumoniae. ACS Infectious Diseases, 2015, 1, 533-543.	3.8	50
34	CXCL9 Contributes to Antimicrobial Protection of the Gut during Citrobacter rodentium Infection Independent of Chemokine-Receptor Signaling. PLoS Pathogens, 2015, 11, e1004648.	4.7	30
35	Multiple histidines in the periplasmic domain of the <scp>S</scp>almonella enterica sensor kinase <scp>SsrA</scp> enhance signaling in response to extracellular acidification. Molecular Microbiology, 2015, 95, 678-691.	2.5	27
36	Identification of the Docking Site between a Type III Secretion System ATPase and a Chaperone for Effector Cargo. Journal of Biological Chemistry, 2014, 289, 23734-23744.	3.4	33

#	Article	IF	Citations
37	Salmonella Evades <scp>d</scp> -Amino Acid Oxidase To Promote Infection in Neutrophils. MBio, 2014, 5, e01886.	4.1	24
38	Aspergillomarasmine A overcomes metallo-Î²-lactamase antibiotic resistance. Nature, 2014, 510, 503-506.	27.8	461
39	Host Defense Peptide Resistance Contributes to Colonization and Maximal Intestinal Pathology by Crohn's Disease-Associated Adherent-Invasive Escherichia coli. Infection and Immunity, 2014, 82, 3383-3393.	2.2	55
40	The SseC translocon component in Salmonella enterica serovar Typhimurium is chaperoned by SscA. BMC Microbiology, 2013, 13, 221.	3.3	6
41	Regulatory evolution at the hostâ€“pathogen interface. Canadian Journal of Microbiology, 2013, 59, 365-367.	1.7	6
42	Cheats never prosper. Nature, 2013, 494, 321-322.	27.8	3
43	Persistent infection with Crohnâ€™s disease-associated adherent-invasive Escherichia coli leads to chronic inflammation and intestinal fibrosis. Nature Communications, 2013, 4, 1957.	12.8	134
44	Mapping and Regulation of Genes within Salmonella Pathogenicity Island 12 That Contribute to In Vivo Fitness of Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2013, 81, 2394-2404.	2.2	21
45	Active modification of host inflammation bySalmonella. Gut Microbes, 2013, 4, 140-145.	9.8	9
46	CD3^{â^’}NK1.1⁺ cells aid in the early induction of a Th1 response to an attaching and effacing enteric pathogen. European Journal of Immunology, 2013, 43, 2638-2649.	2.9	22
47	GogB Is an Anti-Inflammatory Effector that Limits Tissue Damage during Salmonella Infection through Interaction with Human FBXO22 and Skp1. PLoS Pathogens, 2012, 8, e1002773.	4.7	77
48	Characterization of DalS, an ATP-binding Cassette Transporter for d-Alanine, and Its Role in Pathogenesis in Salmonella enterica. Journal of Biological Chemistry, 2012, 287, 15242-15250.	3.4	22
49	Type VI Secretion System-Associated Gene Clusters Contribute to Pathogenesis of Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2012, 80, 1996-2007.	2.2	95
50	Novel Repressor of Escherichia coli O157:H7 Motility Encoded in the Putative Fimbrial Cluster OI-1. Journal of Bacteriology, 2012, 194, 5343-5352.	2.2	19
51	A Fresh Look at the Type III Secretion System: Two-Step Model of Effector Translocation in Pathogenic Bacteria. Frontiers in Microbiology, 2011, 2, 113.	3.5	1
52	Transcriptional Priming of Salmonella Pathogenicity Island-2 Precedes Cellular Invasion. PLoS ONE, 2011, 6, e21648.	2.5	29
53	Combinations of antibiotics and nonantibiotic drugs enhance antimicrobial efficacy. Nature Chemical Biology, 2011, 7, 348-350.	8.0	447
54	A draft genome of Yersinia pestis from victims of the Black Death. Nature, 2011, 478, 506-510.	27.8	619

#	Article	IF	Citations
55	The non-motile phenotype of Salmonella hha ydgT mutants is mediated through PefI-SrgD. BMC Microbiology, 2011, 11, 141.	3.3	8
56	Characterization of Escherichia coli isolated from gut biopsies of newly diagnosed patients with inflammatory bowel disease. Inflammatory Bowel Diseases, 2011, 17, 1451-1463.	1.9	72
57	The Evolution of Virulence in Non-O157 Shiga Toxin-Producing Escherichia Coli. Frontiers in Microbiology, 2011, 2, 90.	3.5	59
58	Expression and secretion hierarchy in the nonflagellar type III secretion system. Future Microbiology, 2011, 6, 193-202.	2.0	13
59	Targeted enrichment of ancient pathogens yielding the pPCP1 plasmid of Yersinia pestis from victims of the Black Death. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E746-52.	7.1	211
60	Humanized mice forSalmonellatyphiinfection: new tools for an old problem. Virulence, 2011, 2, 248-252.	4.4	30
61	Quantitative Mass Spectrometry Catalogues Salmonella Pathogenicity Island-2 Effectors and Identifies Their Cognate Host Binding Partners. Journal of Biological Chemistry, 2011, 286, 24023-24035.	3.4	60
62	Salmonella Phage ST64B Encodes a Member of the SseK/NleB Effector Family. PLoS ONE, 2011, 6, e17824.	2.5	66
63	Genome sequence of adherent-invasive Escherichia coli and comparative genomic analysis with other E. coli pathotypes. BMC Genomics, 2010, 11, 667.	2.8	193
64	A General Approach to the Construction of Structureâ€Switching Reporters from RNA Aptamers. Angewandte Chemie - International Edition, 2010, 49, 7938-7942.	13.8	53
65	Identification of the Regulatory Logic Controlling Salmonella Pathoadaptation by the SsrA-SsrB Two-Component System. PLoS Genetics, 2010, 6, e1000875.	3.5	67
66	NleG Type 3 Effectors from Enterohaemorrhagic Escherichia coli Are U-Box E3 Ubiquitin Ligases. PLoS Pathogens, 2010, 6, e1000960.	4.7	74
67	Structural and Biochemical Characterization of SrcA, a Multi-Cargo Type III Secretion Chaperone in Salmonella Required for Pathogenic Association with a Host. PLoS Pathogens, 2010, 6, e1000751.	4.7	36
68	Pathogenic adaptation of intracellular bacteria by rewiring a cis-regulatory input function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3982-3987.	7.1	60
69	Role of RpoS in the Virulence of Citrobacter rodentium. Infection and Immunity, 2009, 77, 501-507.	2.2	24
70	Interleukin-15 and NK1.1⁺Cells Provide Innate Protection against AcuteSalmonella entericaSerovar Typhimurium Infection in the Gut and in Systemic Tissues. Infection and Immunity, 2009, 77, 214-222.	2.2	37
71	Salmonella -Containing Vacuoles Display Centrifugal Movement Associated with Cell-to-Cell Transfer in Epithelial Cells. Infection and Immunity, 2009, 77, 996-1007.	2.2	39
72	Salmonella entericaSerovar Typhimurium Exploits Toll-Like Receptor Signaling during the Host-Pathogen Interaction. Infection and Immunity, 2009, 77, 4750-4760.	2.2	22

#	Article	IF	Citations
73	A novel inhibitor of Chlamydophila pneumoniae protein kinase D (PknD) inhibits phosphorylation of CdsD and suppresses bacterial replication. BMC Microbiology, 2009, 9, 218.	3.3	16
74	RpoE fine tunes expression of a subset of SsrB-regulated virulence factors in Salmonella enterica serovar Typhimurium. BMC Microbiology, 2009, 9, 45.	3.3	21
75	Type III secretion systems in symbiotic adaptation of pathogenic and non-pathogenic bacteria. Trends in Microbiology, 2009, 17, 89-94.	7.7	54
76	Subinhibitory concentrations of tetracycline affect virulence gene expression in a multi-resistant Salmonella enterica subsp. enterica serovar Typhimurium DT104. Microbes and Infection, 2008, 10, 901-907.	1.9	30
77	Salmonella enterica Serovar Senftenberg Human Clinical Isolates Lacking SPI-1. Journal of Clinical Microbiology, 2008, 46, 1330-1336.	3.9	81
78	Molecular Analysis as an Aid To Assess the Public Health Risk of Non-O157 Shiga Toxin-Producing Escherichia coli Strains. Applied and Environmental Microbiology, 2008, 74, 2153-2160.	3.1	172
79	FimH Adhesin of Type 1 Fimbriae Is a Potent Inducer of Innate Antimicrobial Responses Which Requires TLR4 and Type 1 Interferon Signalling. PLoS Pathogens, 2008, 4, e1000233.	4.7	108
80	Thermosensing Coordinates a Cis-regulatory Module for Transcriptional Activation of the Intracellular Virulence System in Salmonella enterica Serovar Typhimurium. Journal of Biological Chemistry, 2007, 282, 34077-34084.	3.4	37
81	Repression of Intracellular Virulence Factors in Salmonella by the Hha and YdgT Nucleoid-Associated Proteins. Journal of Bacteriology, 2007, 189, 3669-3673.	2.2	47
82	SseL Is a Salmonella -Specific Translocated Effector Integrated into the SsrB-Controlled Salmonella Pathogenicity Island 2 Type III Secretion System. Infection and Immunity, 2007, 75, 574-580.	2.2	69
83	Citrobacter rodentium virulence in mice associates with bacterial load andÂthe type III effector NleE. Microbes and Infection, 2007, 9, 400-407.	1.9	38
84	Oral infection of mice with Salmonella entericaserovar Typhimurium causes meningitis and infection of the brain. BMC Infectious Diseases, 2007, 7, 65.	2.9	36
85	Virulence Is Positively Selected by Transmission Success between Mammalian Hosts. Current Biology, 2007, 17, 783-788.	3.9	57
86	Crossing the Line: Selection and Evolution of Virulence Traits. PLoS Pathogens, 2006, 2, e42.	4.7	84
87	Bacterial Genetic Determinants of Nonâ€O157 STEC Outbreaks and Hemolyticâ€Uremic Syndrome after Infection. Journal of Infectious Diseases, 2006, 194, 819-827.	4.0	110
88	Mutational analysis of Salmonella translocated effector members SifA and SopD2 reveals domains implicated in translocation, subcellular localization and function. Microbiology (United Kingdom), 2006, 152, 2323-2343.	1.8	30
89	Salmonella Pathogenicity Island 2 Is Expressed Prior to Penetrating the Intestine. PLoS Pathogens, 2005, 1, e32.	4.7	105
90	Negative regulation of Salmonella pathogenicity island 2 is required for contextual control of virulence during typhoid. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17460-17465.	7.1	92

#	Article	IF	Citations
91	Analysis of the Contribution of Salmonella Pathogenicity Islands 1 and 2 to Enteric Disease Progression Using a Novel Bovine Ileal Loop Model and a Murine Model of Infectious Enterocolitis. Infection and Immunity, 2005, 73, 7161-7169.	2.2	135
92	Genetic and Molecular Analysis of GogB, a Phage-encoded Type III-secreted Substrate in Salmonella enterica Serovar Typhimurium with Autonomous Expression from its Associated Phage. Journal of Molecular Biology, 2005, 348, 817-830.	4.2	66
93	Insertion of the bacterial type III translocon: not your average needle stick. Trends in Microbiology, 2005, 13, 92-95.	7.7	29
94	Interpreting the Host-Pathogen Dialogue Through Microarrays. Advances in Applied Microbiology, 2004, 54, 291-331.	2.4	7
95	Expression and Secretion of Salmonella Pathogenicity Island-2 Virulence Genes in Response to Acidification Exhibit Differential Requirements of a Functional Type III Secretion Apparatus and SsaL. Journal of Biological Chemistry, 2004, 279, 49804-49815.	3.4	166
96	Evasive Maneuvers by Secreted Bacterial Proteins to Avoid Innate Immune Responses. Current Biology, 2004, 14, R856-R867.	3.9	50
97	SseA is required for translocation of Salmonella pathogenicity island-2 effectors into host cells. Microbes and Infection, 2003, 5, 561-570.	1.9	33
98	Chlamydia pneumoniaeInfection of Endothelial Cells Induces Transcriptional Activation of Plateletâ€Derived Growth Factorâ€“B: A Potential Link to Intimal Thickening in a Rabbit Model of Atherosclerosis. Journal of Infectious Diseases, 2002, 185, 1621-1630.	4.0	31
99	Identification of MEK- and phosphoinositide 3-kinase-dependent signalling as essential events during Chlamydia pneumoniae invasion of HEp2 cells. Cellular Microbiology, 2002, 4, 447-460.	2.1	101
100	Dendritic cell discoveries provide new insight into the cellular immunobiology of DNA vaccines. Immunology Letters, 2001, 78, 103-111.	2.5	41
101	Chlamydia pneumoniae and atherosclerosis: does the evidence support a causal or contributory role?. FEMS Microbiology Letters, 2001, 197, 1-9.	1.8	54
102	cDNA Array Analysis of Altered Gene Expression in Human Endothelial Cells in Response toChlamydia pneumoniaeInfection. Infection and Immunity, 2001, 69, 1420-1427.	2.2	73
103	Chlamydia pneumoniae and atherosclerosis: does the evidence support a causal or contributory role?. FEMS Microbiology Letters, 2001, 197, 1-9.	1.8	2
104	Chlamydia pneumoniae Infection of Human Endothelial Cells Induces Proliferation of Smooth Muscle Cells via an Endothelial Cell-Derived Soluble Factor(s). Infection and Immunity, 1999, 67, 2909-2915.	2.2	87