

Andrew J Grant

List of Publications by Year in descending order

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62
papers

2,244
citations

218677

26
h-index

233421

45
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69
all docs

69
docs citations

69
times ranked

3026
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling within-Host Spatiotemporal Dynamics of Invasive Bacterial Disease. <i>PLoS Biology</i> , 2008, 6, e74.	5.6	189
2	Copper Homeostasis in Salmonella Is Atypical and Copper-CueP Is a Major Periplasmic Metal Complex. <i>Journal of Biological Chemistry</i> , 2010, 285, 25259-25268.	3.4	149
3	Cecum Lymph Node Dendritic Cells Harbor Slow-Growing Bacteria Phenotypically Tolerant to Antibiotic Treatment. <i>PLoS Biology</i> , 2014, 12, e1001793.	5.6	139
4	A dynamic view of the spread and intracellular distribution of <i>Salmonella enterica</i> . <i>Nature Reviews Microbiology</i> , 2009, 7, 73-80.	28.6	103
5	Evaluation of live-attenuated <i>Salmonella</i> vaccines expressing <i>Campylobacter</i> antigens for control of <i>C. jejuni</i> in poultry. <i>Vaccine</i> , 2010, 28, 1094-1105.	3.8	95
6	Phase-Variable Surface Structures Are Required for Infection of <i>Campylobacter jejuni</i> by Bacteriophages. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4638-4647.	3.1	88
7	Metabolite and transcriptome analysis of <i>Campylobacter jejuni</i> in vitro growth reveals a stationary-phase physiological switch. <i>Microbiology (United Kingdom)</i> , 2009, 155, 80-94.	1.8	88
8	Genome-wide association of functional traits linked with <i>Campylobacter jejuni</i> survival from farm to fork. <i>Environmental Microbiology</i> , 2017, 19, 361-380.	3.8	88
9	Lymph Node Colonization Dynamics after Oral <i>Salmonella Typhimurium</i> Infection in Mice. <i>PLoS Pathogens</i> , 2013, 9, e1003532.	4.7	70
10	Intracellular Demography and the Dynamics of <i>Salmonella enterica</i> Infections. <i>PLoS Biology</i> , 2006, 4, e349.	5.6	68
11	Anaesthetic Impairment of Immune Function Is Mediated via GABAA Receptors. <i>PLoS ONE</i> , 2011, 6, e17152.	2.5	67
12	Genome-wide fitness analyses of the foodborne pathogen <i>Campylobacter jejuni</i> in in vitro and in vivo models. <i>Scientific Reports</i> , 2017, 7, 1251.	3.3	64
13	Signature-Tagged Transposon Mutagenesis Studies Demonstrate the Dynamic Nature of Cecal Colonization of 2-Week-Old Chickens by <i>Campylobacter jejuni</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 8031-8041.	3.1	60
14	Changes in duodenal tissue-associated microbiota following hookworm infection and consecutive gluten challenges in humans with coeliac disease. <i>Scientific Reports</i> , 2016, 6, 36797.	3.3	59
15	Spread of <i>Salmonella enterica</i> in the body during systemic infection: unravelling host and pathogen determinants. <i>Expert Reviews in Molecular Medicine</i> , 2011, 13, e12.	3.9	58
16	Attenuated <i>Salmonella Typhimurium</i> Lacking the Pathogenicity Island-2 Type 3 Secretion System Grow to High Bacterial Numbers inside Phagocytes in Mice. <i>PLoS Pathogens</i> , 2012, 8, e1003070.	4.7	54
17	Quantitative RNA-seq analysis of the <i>Campylobacter jejuni</i> transcriptome. <i>Microbiology (United Kingdom)</i> 155:107-117. doi:10.1093/mic/kgu114	1.8	44
18	<i>Campylobacter jejuni</i> colonization and transmission in broiler chickens: a modelling perspective. <i>Journal of the Royal Society Interface</i> , 2007, 4, 819-829.	3.4	42

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19	A Salmonella Typhimurium-Typhi Genomic Chimera: A Model to Study Vi Polysaccharide Capsule Function In Vivo. PLoS Pathogens, 2011, 7, e1002131.	4.7	41
20	Human IgG isotypes and activating Fcγ3 receptors in the interaction of <i>Salmonella enterica</i> serovar Typhimurium with phagocytic cells. Immunology, 2011, 133, 74-83.	4.4	38
21	Phylogenetic analyses and antimicrobial resistance profiles of Campylobacter spp. from diarrhoeal patients and chickens in Botswana. PLoS ONE, 2018, 13, e0194481.	2.5	37
22	Caspase-3-dependent phagocyte death during systemic <i>Salmonella enterica</i> serovar Typhimurium infection of mice. Immunology, 2008, 125, 28-37.	4.4	33
23	Microbiological quality and antimicrobial resistance characterization of Salmonella spp. in fresh milk value chains in Ghana. International Journal of Food Microbiology, 2018, 277, 41-49.	4.7	32
24	The Effects of Vaccination and Immunity on Bacterial Infection Dynamics In Vivo. PLoS Pathogens, 2014, 10, e1004359.	4.7	31
25	Identification of Cj1051c as a Major Determinant for the Restriction Barrier of Campylobacter jejuni Strain NCTC11168. Applied and Environmental Microbiology, 2012, 78, 7841-7848.	3.1	29
26	Motility defects in Campylobacter jejuni defined gene deletion mutants caused by second-site mutations. Microbiology (United Kingdom), 2015, 161, 2316-2327.	1.8	29
27	Enhanced Virulence of <i>Salmonella enterica</i> Serovar Typhimurium after Passage through Mice. Infection and Immunity, 2011, 79, 636-643.	2.2	28
28	The Bacterial Cytoskeleton Modulates Motility, Type 3 Secretion, and Colonization in Salmonella. PLoS Pathogens, 2012, 8, e1002500.	4.7	28
29	Transposon mutagenesis in a hyper-invasive clinical isolate of Campylobacter jejuni reveals a number of genes with potential roles in invasion. Microbiology (United Kingdom), 2010, 156, 1134-1143.	1.8	27
30	<i>In Vivo</i> Regulation of the Vi Antigen in Salmonella and Induction of Immune Responses with an <i>In Vivo</i> -Inducible Promoter. Infection and Immunity, 2011, 79, 2481-2488.	2.2	27
31	Dynamics of spread of Salmonella enterica in the systemic compartment. Microbes and Infection, 2013, 15, 849-857.	1.9	25
32	Genomic variations leading to alterations in cell morphology of Campylobacter spp. Scientific Reports, 2016, 6, 38303.	3.3	25
33	Live Attenuated S. Typhimurium Vaccine with Improved Safety in Immuno-Compromised Mice. PLoS ONE, 2012, 7, e45433.	2.5	25
34	Essential Genes for <i>In Vitro</i> Growth of the Endophyte Herbaspirillum seropedicae SmR1 as Revealed by Transposon Insertion Site Sequencing. Applied and Environmental Microbiology, 2016, 82, 6664-6671.	3.1	22
35	Analysis of Campylobacter jejuni infection in the gnotobiotic piglet and genome-wide identification of bacterial factors required for infection. Scientific Reports, 2017, 7, 44283.	3.3	21
36	Genes Required for the Fitness of Salmonella enterica Serovar Typhimurium during Infection of Immunodeficient gp91 ^Δ phoX Mice. Infection and Immunity, 2016, 84, 989-997.	2.2	20

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37	Bacterial Growth Rate and Host Factors as Determinants of Intracellular Bacterial Distributions in Systemic <i>Salmonella enterica</i> Infections. <i>Infection and Immunity</i> , 2009, 77, 5608-5611.	2.2	16
38	Virulent <i>Salmonella enterica</i> infections can be exacerbated by concomitant infection of the host with a live attenuated <i>S. enterica</i> vaccine via Toll-like receptor 4-dependent interleukin-10 production with the involvement of both TRIF and MyD88. <i>Immunology</i> , 2008, 124, 469-479.	4.4	15
39	HAM-ART: An optimised culture-free Hi-C metagenomics pipeline for tracking antimicrobial resistance genes in complex microbial communities. <i>PLoS Genetics</i> , 2022, 18, e1009776.	3.5	14
40	A Survey of Chinese Pig Farms and Human Healthcare Isolates Reveals Separate Human and Animal Methicillin-Resistant <i>Staphylococcus aureus</i> Populations. <i>Advanced Science</i> , 2022, 9, e2103388.	11.2	13
41	Identification and initial characterisation of a protein involved in <i>Campylobacter jejuni</i> cell shape. <i>Microbial Pathogenesis</i> , 2017, 104, 202-211.	2.9	12
42	<i>Streptococcus bovimastitidis</i> sp. nov., isolated from a dairy cow with mastitis. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 21-27.	1.7	12
43	Single passage in mouse organs enhances the survival and spread of <i>Salmonella enterica</i> . <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150702.	3.4	11
44	Igg Subclasses Targeting the Flagella of <i>Salmonella enterica</i> Serovar Typhimurium Can Mediate Phagocytosis and Bacterial Killing. <i>Journal of Vaccines & Vaccination</i> , 2016, 07, .	0.3	11
45	Development of an ex vivo organ culture model using human gastro-intestinal tissue and <i>Campylobacter jejuni</i> . <i>FEMS Microbiology Letters</i> , 2006, 263, 240-243.	1.8	10
46	A quantitative proteomic screen of the <i>Campylobacter jejuni</i> flagellar-dependent secretome. <i>Journal of Proteomics</i> , 2017, 152, 181-187.	2.4	10
47	Acute Hepatic Necrosis Caused by <i>Salmonella enterica</i> Serotype I 4,5,12:~:1,2 in a Dog. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3674-3676.	3.9	8
48	Quantification of the effects of antibodies on the extra- and intracellular dynamics of <i>Salmonella enterica</i> . <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120866.	3.4	7
49	Multivalent poultry vaccine development using Protein Glycan Coupling Technology. <i>Microbial Cell Factories</i> , 2021, 20, 193.	4.0	7
50	The Application of <i>STEM</i> and <i>In situ</i> Controlled Dehydration to Bacterial Systems Using <i>ESEM</i> . <i>Scanning</i> , 2012, 34, 237-246.	1.5	6
51	<i>Campylobacter jejuni</i> PflB is required for motility and colonisation of the chicken gastrointestinal tract. <i>Microbial Pathogenesis</i> , 2015, 89, 93-99.	2.9	6
52	Size-Exclusion Chromatography Separation Reveals That Vesicular and Non-Vesicular Small RNA Profiles Differ in Cell Free Urine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4881.	4.1	6
53	Transcriptome and proteome analysis of <i>Salmonella enterica</i> serovar Typhimurium systemic infection of wild type and immune-deficient mice. <i>PLoS ONE</i> , 2017, 12, e0181365.	2.5	6
54	A data-based mathematical modelling study to quantify the effects of ciprofloxacin and ampicillin on the within-host dynamics of <i>Salmonella enterica</i> during treatment and relapse. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200299.	3.4	5

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55	Phenotypic whole-cell screening identifies a protective carbohydrate epitope on <i>Klebsiella pneumoniae</i> . <i>MAbs</i> , 2022, 14, 2006123.	5.2	5
56	A restatement of the natural science evidence base regarding the source, spread and control of <i>Campylobacter</i> species causing human disease. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	2.6	4
57	PglB function and glycosylation efficiency is temperature dependent when the pgl locus is integrated in the <i>Escherichia coli</i> chromosome. <i>Microbial Cell Factories</i> , 2022, 21, 6.	4.0	3
58	Substrate Utilisation and Energy Metabolism in Non-Growing <i>Campylobacter jejuni</i> M1cam. <i>Microorganisms</i> , 2022, 10, 1355.	3.6	3
59	Effect of in vivo neutralisation of Tumor Necrosis Factor alpha on the efficacy of antibiotic treatment in systemic <i>Salmonella enterica</i> infections. <i>Pathogens and Disease</i> , 2017, 75, ftx002.	2.0	2
60	Genome and Plasmid Sequences of <i>Escherichia coli</i> KV7, an Extended-Spectrum β -Lactamase Isolate Derived from Feces of a Healthy Pig. <i>Genome Announcements</i> , 2017, 5, .	0.8	1
61	Tatajuba: exploring the distribution of homopolymer tracts. <i>NAR Genomics and Bioinformatics</i> , 2022, 4, lqac003.	3.2	1
62	A comparison of culture vs 16S ribosomal RNA sequencing of chronic granulation tissue microbiota in cats and dogs. , 0, , 540-540.		1