Ian S Roberts

List of Publications by Year
in descending order

56 papers	3,564 citations	186265 28 h-index	155660 55 g-index
81 all docs	81 docs citations	81 times ranked	4699 citing authors

#	Article	IF	Citations
1	Regulation of Escherichia coli Group 2 Capsule Gene Expression: A Mini Review and Update. Frontiers in Microbiology, 2022, 13, 858767.	3.5	7
2	The interplay between <i>Trichuris</i> and the microbiota. Parasitology, 2021, 148, 1806-1813.	1.5	16
3	Regulatory RNAs: A Universal Language for Inter-Domain Communication. International Journal of Molecular Sciences, 2020, 21, 8919.	4.1	18
4	Human mast cells exhibit an individualized pattern of antimicrobial responses. Immunity, Inflammation and Disease, 2020, 8, 198-210.	2.7	15
5	Super-Resolution Fluorescence Microscopy Study of the Production of K1 Capsules by <i>Escherichia coli</i>: Evidence for the Differential Distribution of the Capsule at the Poles and the Equator of the Cell. Langmuir, 2019, 35, 5635-5646.	3.5	25
6	ILC2s mediate systemic innate protection by priming mucus production at distal mucosal sites. Journal of Experimental Medicine, 2019, 216, 2714-2723.	8.5	52
7	Functional characterization of the mucus barrier on the <i>Xenopus tropicalis</i> skin surface. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 726-731.	7.1	27
8	Manipulation of host and parasite microbiotas: Survival strategies during chronic nematode infection. Science Advances, 2018, 4, eaap7399.	10.3	106
9	Detecting macroecological patterns in bacterial communities across independent studies of global soils. Nature Microbiology, 2018, 3, 189-196.	13.3	136
10	Quenched Stochastic Optical Reconstruction Microscopy (qSTORM) with Graphene Oxide. Scientific Reports, 2018, 8, 16928.	3.3	4
11	Eavesdropping and crosstalk between secreted quorum sensing peptide signals that regulate bacteriocin production in <i>Streptococcus pneumoniae</i>. ISME Journal, 2018, 12, 2363-2375.	9.8	32
12	Listeria monocytogenes Has Both Cytochrome <i>bd</i> -Type and Cytochrome <i>aa</i> ₃ -Type Terminal Oxidases, Which Allow Growth at Different Oxygen Levels, and Both Are Important in Infection. Infection and Immunity, 2017, 85, .	2.2	26
13	Three tandem promoters, together with IHF, regulate growth phase dependent expression of the Escherichia coli kps capsule gene cluster. Scientific Reports, 2017, 7, 17924.	3.3	10
14	Pherotype Polymorphism in Streptococcus pneumoniae Has No Obvious Effects on Population Structure and Recombination. Genome Biology and Evolution, 2017, 9, 2546-2559.	2.5	9
15	Bacterial Surfaces: Front Lines in Hostâ€“Pathogen Interaction. Advances in Experimental Medicine and Biology, 2016, 915, 129-156.	1.6	12
16	Purity of graphene oxide determines its antibacterial activity. 2D Materials, 2016, 3, 025025.	4.4	150
17	Diverse Ecological Strategies Are Encoded by<i>Streptococcus pneumoniae</i>Bacteriocin-Like Peptides. Genome Biology and Evolution, 2016, 8, 1072-1090.	2.5	43
18	Expression of Streptococcus pneumoniae Bacteriocins Is Induced by Antibiotics via Regulatory Interplay with the Competence System. PLoS Pathogens, 2016, 12, e1005422.	4.7	78

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19	Chronic Trichuris muris Infection in C57BL/6 Mice Causes Significant Changes in Host Microbiota and Metabolome: Effects Reversed by Pathogen Clearance. PLoS ONE, 2015, 10, e0125945.	2.5	220
20	Lamellipodin Is Important for Cell-to-Cell Spread and Actin-Based Motility in Listeria monocytogenes. Infection and Immunity, 2015, 83, 3740-3748.	2.2	16
21	Phenotypic Heterogeneity in Expression of the K1 Polysaccharide Capsule of Uropathogenic Escherichia coli and Downregulation of the Capsule Genes during Growth in Urine. Infection and Immunity, 2015, 83, 2605-2613.	2.2	26
22	Recombinant Plants Provide a New Approach to the Production of Bacterial Polysaccharide for Vaccines. PLoS ONE, 2014, 9, e88144.	2.5	11
23	Metal Ion Homeostasis in Listeria monocytogenes and Importance in Hostâ€“Pathogen Interactions. Advances in Microbial Physiology, 2014, 65, 83-123.	2.4	21
24	Two Zinc Uptake Systems Contribute to the Full Virulence of Listeria monocytogenes during Growth <i>In Vitro</i> and <i>In Vivo</i>. Infection and Immunity, 2012, 80, 14-21.	2.2	69
25	Inhibition of Calpain Blocks the Phagosomal Escape of Listeria monocytogenes. PLoS ONE, 2012, 7, e35936.	2.5	15
26	The combined actions of the copperâ€‐responsive repressor CsoR and copperâ€‐metallochaperone CopZ modulate CopAâ€‐mediated copper efflux in the intracellular pathogen <i>Listeria monocytogenes</i>. Molecular Microbiology, 2011, 81, 457-472.	2.5	76
27	The Behaviour of Both Listeria monocytogenes and Rat Ciliated Ependymal Cells Is Altered during Their Co-Culture. PLoS ONE, 2010, 5, e10450.	2.5	7
28	The K5 Capsule of Escherichia coli Strain Nissle 1917 Is Important in Stimulating Expression of Toll-Like Receptor 5, CD14, MyD88, and TRIF Together with the Induction of Interleukin-8 Expression via the Mitogen-Activated Protein Kinase Pathway in Epithelial Cells. Infection and Immunity, 2010, 78, 2153-2162.	2.2	41
29	Bacterial Polysaccharide Capsules. , 2010, , 111-132.		8
30	The role of microbial polysaccharides in host-pathogen interaction. F1000 Biology Reports, 2009, 1, 30.	4.0	19
31	The Escherichia coli K5 Capsule Is Not Synthesized in a Protected Compartment within the Cytoplasm. Journal of Bacteriology, 2009, 191, 1716-1718.	2.2	5
32	Investigating the Molecular Basis for the Virulence of <i>Escherichia coli</i> K5 by Nuclear Magnetic Resonance Analysis of the Capsule Polysaccharide. Journal of Molecular Microbiology and Biotechnology, 2009, 17, 71-82.	1.0	20
33	Regulation of Expression of the Region 3 Promoter of the<i>Escherichia coli</i>K5 Capsule Gene Cluster Involves H-NS, SlyA, and a Large 5â€² Untranslated Region. Journal of Bacteriology, 2009, 191, 1838-1846.	2.2	23
34	Capsular Polysaccharides in Escherichia coli. Advances in Applied Microbiology, 2008, 65, 1-26.	2.4	45
35	SlyA and H-NS Regulate Transcription of the Escherichia coli K5 Capsule Gene Cluster, and Expression of slyA in Escherichia coli Is Temperature-dependent, Positively Autoregulated, and Independent of H-NS. Journal of Biological Chemistry, 2007, 282, 33326-33335.	3.4	53
36	Characterization of relA and codY mutants of Listeria monocytogenes: identification of the CodY regulon and its role in virulence. Molecular Microbiology, 2007, 63, 1453-1467.	2.5	142

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37	The cell surface expression of group 2 capsular polysaccharides in Escherichia coli: the role of KpsD, RhsA and a multi-protein complex at the pole of the cell. Molecular Microbiology, 2006, 59, 907-922.	2.5	86
38	<i>Listeria monocytogenes relA</i> and <i>hpt</i> Mutants Are Impaired in Surface-Attached Growth and Virulence. Journal of Bacteriology, 2002, 184, 621-628.	2.2	131
39	The Transport of Group 2 Capsular Polysaccharides across the Periplasmic Space in Escherichia coli. Journal of Biological Chemistry, 2001, 276, 4245-4250.	3.4	39
40	Regulation of the Escherichia coli K5 Capsule Gene Cluster: Evidence for the Roles of H-NS, BipA, and Integration Host Factor in Regulation of Group 2 Capsule Gene Clusters in Pathogenic E. coli. Journal of Bacteriology, 2000, 182, 2741-2745.	2.2	80
41	Cloning, Expression, and Purification of the K5 Capsular Polysaccharide Lyase (KflA) from Coliphage K5A: Evidence for Two Distinct K5 Lyase Enzymes. Journal of Bacteriology, 2000, 182, 3761-3766.	2.2	51
42	Identification That KfiA, a Protein Essential for the Biosynthesis of the Escherichia coli K5 Capsular Polysaccharide, Is an Î±-UDP-GlcNAc Glycosyltransferase. Journal of Biological Chemistry, 2000, 275, 27311-27315.	3.4	66
43	Structure, assembly and regulation of expression of capsules in <i>Escherichia coli</i>. Molecular Microbiology, 1999, 31, 1307-1319.	2.5	481
44	The localization of KpsC, S and T, and KfiA, C and D proteins involved in the biosynthesis of the Escherichia coli K5 capsular polysaccharide: evidence for a membrane-bound complex. Microbiology (United Kingdom), 1998, 144, 2905-2914.	1.8	65
45	Regulation of the Escherichia coli K5 capsule gene cluster by transcription antitermination. Molecular Microbiology, 1997, 24, 1001-1012.	2.5	81
46	THE BIOCHEMISTRY AND GENETICS OF CAPSULAR POLYSACCHARIDE PRODUCTION IN BACTERIA. Annual Review of Microbiology, 1996, 50, 285-315.	7.3	619
47	Region 2 of the Escherichia coli K5 capsule gene cluster encoding proteins for the biosynthesis of the K5 polysaccharide. Molecular Microbiology, 1995, 17, 611-620.	2.5	81
48	Isolation from recombinantEscherichia coliand characterization of CMP-Kdo synthetase, involved in the expression of the capsular K5 polysaccharide (K-CKS). FEMS Microbiology Letters, 1995, 125, 159-164.	1.8	34
49	Isolation from recombinant Escherichia coli and characterization of CMP-Kdo synthetase, involved in the expression of the capsular K5 polysaccharide (K-CKS). FEMS Microbiology Letters, 1995, 125, 159-164.	1.8	2
50	Characterisation of IS1126fromPorphyromonas gingivalisW83: a new member of the IS4family of insertion sequence elements. FEMS Microbiology Letters, 1994, 123, 219-224.	1.8	33
51	Regulation ofEscherichia coliK5 capsular polysaccharide expression: Evidence for involvement of RfaH in the expression of group II capsules. FEMS Microbiology Letters, 1994, 124, 93-98.	1.8	37
52	Characterisation of IS1126 from Porphyromonas gingivalis W83: a new member of the IS4 family of insertion sequence elements. FEMS Microbiology Letters, 1994, 123, 219-224.	1.8	1
53	Regulation of Escherichia coli K5 capsular polysaccharide expression: Evidence for involvement of RfaH in the expression of group II capsules. FEMS Microbiology Letters, 1994, 124, 93-98.	1.8	1
54	Utilization of transferrin-bound iron by Listeria monocytogenes. FEMS Microbiology Letters, 1993, 108, 311-318.	1.8	2

#	Article	IF	Citations
55	Capsule production in <i>Escherichia coli</i>: co-ordinate regulation of biosynthesis and export by environmental factors. Biochemical Society Transactions, 1991, 19, 628-630.	3.4	2
56	Analysis of the K1 capsule biosynthesis genes of Escherichia coli: Definition of three functional regions for capsule production. Molecular Genetics and Genomics, 1987, 208, 242-246.	2.4	89