Ian S Roberts

List of Publications by Year in Descending Order

52 papers	2,801 citations	26 h-index	52 g-index
77 ext. papers	3,238 ext. citations	5.4 avg, IF	5.13 L-index

#	Paper	IF	Citations
52	Regulation of Group 2 Capsule Gene Expression: A Mini Review and Update.. *Frontiers in Microbiology*, **2022**, 13, 858767	5.7	1
51	The interplay between and the microbiota. *Parasitology*, **2021**, 1-8	2.7	4
50	Human mast cells exhibit an individualized pattern of antimicrobial responses. *Immunity, Inflammation and Disease*, **2020**, 8, 198-210	2.4	6
49	Regulatory RNAs: A Universal Language for Inter-Domain Communication. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
48	Super-Resolution Fluorescence Microscopy Study of the Production of K1 Capsules by Escherichia coli: Evidence for the Differential Distribution of the Capsule at the Poles and the Equator of the Cell. *Langmuir*, **2019**, 35, 5635-5646	4	13
47	ILC2s mediate systemic innate protection by priming mucus production at distal mucosal sites. *Journal of Experimental Medicine*, **2019**, 216, 2714-2723	16.6	25
46	Functional characterization of the mucus barrier on the skin surface. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 726-731	11.5	14
45	Manipulation of host and parasite microbiotas: Survival strategies during chronic nematode infection. *Science Advances*, **2018**, 4, eaap7399	14.3	54
44	Eavesdropping and crosstalk between secreted quorum sensing peptide signals that regulate bacteriocin production in Streptococcus pneumoniae. *ISME Journal*, **2018**, 12, 2363-2375	11.9	21
43	Detecting macroecological patterns in bacterial communities across independent studies of global soils. *Nature Microbiology*, **2018**, 3, 189-196	26.6	86
42	Quenched Stochastic Optical Reconstruction Microscopy (qSTORM) with Graphene Oxide. *Scientific Reports*, **2018**, 8, 16928	4.9	4
41	Listeria monocytogenes Has Both Cytochrome -Type and Cytochrome -Type Terminal Oxidases, Which Allow Growth at Different Oxygen Levels, and Both Are Important in Infection. *Infection and Immunity*, **2017**, 85,	3.7	15
40	Three tandem promoters, together with IHF, regulate growth phase dependent expression of the Escherichia coli kps capsule gene cluster. *Scientific Reports*, **2017**, 7, 17924	4.9	6
39	Pherotype Polymorphism in Streptococcus pneumoniae Has No Obvious Effects on Population Structure and Recombination. *Genome Biology and Evolution*, **2017**, 9, 2546-2559	3.9	8
38	Diverse Ecological Strategies Are Encoded by Streptococcus pneumoniae Bacteriocin-Like Peptides. *Genome Biology and Evolution*, **2016**, 8, 1072-90	3.9	23
37	Expression of Streptococcus pneumoniae Bacteriocins Is Induced by Antibiotics via Regulatory Interplay with the Competence System. *PLoS Pathogens*, **2016**, 12, e1005422	7.6	48
36	Bacterial Surfaces: Front Lines in Host-Pathogen Interaction. *Advances in Experimental Medicine and Biology*, **2016**, 915, 129-56	3.6	6

35	Purity of graphene oxide determines its antibacterial activity. *2D Materials*, **2016**, 3, 025025	5.9	125
34	Lamellipodin Is Important for Cell-to-Cell Spread and Actin-Based Motility in Listeria monocytogenes. *Infection and Immunity*, **2015**, 83, 3740-8	3.7	11
33	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, 2605-13	3.7	20
32	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	3.7	118
31	Recombinant plants provide a new approach to the production of bacterial polysaccharide for vaccines. *PLoS ONE*, **2014**, 9, e88144	3.7	11
30	Metal ion homeostasis in Listeria monocytogenes and importance in host-pathogen interactions. *Advances in Microbial Physiology*, **2014**, 65, 83-123	4.4	15
29	Inhibition of calpain blocks the phagosomal escape of Listeria monocytogenes. *PLoS ONE*, **2012**, 7, e35936	3.7	14
28	Two zinc uptake systems contribute to the full virulence of Listeria monocytogenes during growth in vitro and in vivo. *Infection and Immunity*, **2012**, 80, 14-21	3.7	49
27	The combined actions of the copper-responsive repressor CsoR and copper-metallochaperone CopZ modulate CopA-mediated copper efflux in the intracellular pathogen Listeria monocytogenes. *Molecular Microbiology*, **2011**, 81, 457-72	4.1	56
26	The behaviour of both Listeria monocytogenes and rat ciliated ependymal cells is altered during their co-culture. *PLoS ONE*, **2010**, 5, e10450	3.7	5
25	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, 2153-62	3.7	32
24	Bacterial Polysaccharide Capsules **2010**, 111-132		6
23	The role of microbial polysaccharides in host-pathogen interaction. *F1000 Biology Reports*, **2009**, 1, 30		16
22	The Escherichia coli K5 capsule is not synthesized in a protected compartment within the cytoplasm. *Journal of Bacteriology*, **2009**, 191, 1716-8	3.5	5
21	Investigating the molecular basis for the virulence of Escherichia coli K5 by nuclear magnetic resonance analysis of the capsule polysaccharide. *Journal of Molecular Microbiology and Biotechnology*, **2009**, 17, 71-82	0.9	18
20	Regulation of expression of the region 3 promoter of the Escherichia coli K5 capsule gene cluster involves H-NS, SlyA, and a large 5Ɯntranslated region. *Journal of Bacteriology*, **2009**, 191, 1838-46	3.5	21
19	Capsular polysaccharides in Escherichia coli. *Advances in Applied Microbiology*, **2008**, 65, 1-26	4.9	29
18	Characterization of relA and codY mutants of Listeria monocytogenes: identification of the CodY regulon and its role in virulence. *Molecular Microbiology*, **2007**, 63, 1453-67	4.1	128

17	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	5.4	48
16	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, 907-22	4.1	78
15	Listeria monocytogenes relA and hpt mutants are impaired in surface-attached growth and virulence. *Journal of Bacteriology*, **2002**, 184, 621-8	3.5	117
14	The transport of group 2 capsular polysaccharides across the periplasmic space in Escherichia coli. Roles for the KpsE and KpsD proteins. *Journal of Biological Chemistry*, **2001**, 276, 4245-50	5.4	30
13	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, 2741-5	3.5	72
12	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, 3761-6	3.5	47
11	Identification That KfiA, a Protein Essential for the Biosynthesis of the Escherichia coli K5 Capsular Polysaccharide, Is an UDP-GlcNAc Glycosyltransferase. *Journal of Biological Chemistry*, **2000**, 275, 27311-27315	5.4	53
10	Structure, assembly and regulation of expression of capsules in Escherichia coli. *Molecular Microbiology*, **1999**, 31, 1307-19	4.1	427
9	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 (Pt 10), 2905-2914	2.9	58
8	Regulation of the Escherichia coli K5 capsule gene cluster by transcription antitermination. *Molecular Microbiology*, **1997**, 24, 1001-12	4.1	71
7	The biochemistry and genetics of capsular polysaccharide production in bacteria. *Annual Review of Microbiology*, **1996**, 50, 285-315	17.5	543
6	Region 2 of the Escherichia coli K5 capsule gene cluster encoding proteins for the biosynthesis of the K5 polysaccharide. *Molecular Microbiology*, **1995**, 17, 611-20	4.1	71
5	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, 159-64	2.9	30
4	Characterisation of IS1126 from Porphyromonas gingivalis W83: a new member of the IS4 family of insertion sequence elements. *FEMS Microbiology Letters*, **1994**, 123, 219-24	2.9	27
3	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, 93-8	2.9	32
2	Capsule production in Escherichia coli: co-ordinate regulation of biosynthesis and export by environmental factors. *Biochemical Society Transactions*, **1991**, 19, 628-30	5.1	2
1	Analysis of the K1 capsule biosynthesis genes of Escherichia coli: definition of three functional regions for capsule production. *Molecular Genetics and Genomics*, **1987**, 208, 242-6		71