

Ian S Roberts

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2711734/ian-s-roberts-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The biochemistry and genetics of capsular polysaccharide production in bacteria. <i>Annual Review of Microbiology</i> , 1996 , 50, 285-315	17.5	543
51	Structure, assembly and regulation of expression of capsules in Escherichia coli. <i>Molecular Microbiology</i> , 1999 , 31, 1307-19	4.1	427
50	Characterization of relA and codY mutants of Listeria monocytogenes: identification of the CodY regulon and its role in virulence. <i>Molecular Microbiology</i> , 2007 , 63, 1453-67	4.1	128
49	Purity of graphene oxide determines its antibacterial activity. <i>2D Materials</i> , 2016 , 3, 025025	5.9	125
48	Chronic Trichuris muris Infection in C57BL/6 Mice Causes Significant Changes in Host Microbiota and Metabolome: Effects Reversed by Pathogen Clearance. <i>PLoS ONE</i> , 2015 , 10, e0125945	3.7	118
47	Listeria monocytogenes relA and hpt mutants are impaired in surface-attached growth and virulence. <i>Journal of Bacteriology</i> , 2002 , 184, 621-8	3.5	117
46	Detecting macroecological patterns in bacterial communities across independent studies of global soils. <i>Nature Microbiology</i> , 2018 , 3, 189-196	26.6	86
45	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. <i>Molecular Microbiology</i> , 2006 , 59, 907-22	4.1	78
44	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. <i>Journal of Bacteriology</i> , 2000 , 182, 2741-5	3.5	72
43	Regulation of the Escherichia coli K5 capsule gene cluster by transcription antitermination. <i>Molecular Microbiology</i> , 1997 , 24, 1001-12	4.1	71
42	Region 2 of the Escherichia coli K5 capsule gene cluster encoding proteins for the biosynthesis of the K5 polysaccharide. <i>Molecular Microbiology</i> , 1995 , 17, 611-20	4.1	71
41	Analysis of the K1 capsule biosynthesis genes of Escherichia coli: definition of three functional regions for capsule production. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 242-6		71
40	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. <i>Microbiology (United Kingdom)</i> , 1998 , 144 (Pt 10), 2905-2914	2.9	58
39	The combined actions of the copper-responsive repressor CsoR and copper-metallochaperone CopZ modulate CopA-mediated copper efflux in the intracellular pathogen Listeria monocytogenes. <i>Molecular Microbiology</i> , 2011 , 81, 457-72	4.1	56
38	Manipulation of host and parasite microbiotas: Survival strategies during chronic nematode infection. <i>Science Advances</i> , 2018 , 4, eaap7399	14.3	54
37	Identification That KfiA, a Protein Essential for the Biosynthesis of the Escherichia coli K5 Capsular Polysaccharide, Is an EUJDP-GlcNAc Glycosyltransferase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 27311-27315	5.4	53
36	Two zinc uptake systems contribute to the full virulence of Listeria monocytogenes during growth in vitro and in vivo. <i>Infection and Immunity</i> , 2012 , 80, 14-21	3.7	49

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. <i>Journal of Biological Chemistry</i> , 2007 , 282, 33326-33335	5.4	48
34	Expression of Streptococcus pneumoniae Bacteriocins Is Induced by Antibiotics via Regulatory Interplay with the Competence System. <i>PLoS Pathogens</i> , 2016 , 12, e1005422	7.6	48
33	Cloning, expression, and purification of the K5 capsular polysaccharide lyase (KfIA) from coliphage K5A: evidence for two distinct K5 lyase enzymes. <i>Journal of Bacteriology</i> , 2000 , 182, 3761-6	3.5	47
32	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. <i>Infection and Immunity</i> , 2010 , 78, 2153-62	3.7	32
31	Regulation of Escherichia coli K5 capsular polysaccharide expression: evidence for involvement of RfaH in the expression of group II capsules. <i>FEMS Microbiology Letters</i> , 1994 , 124, 93-8	2.9	32
30	The transport of group 2 capsular polysaccharides across the periplasmic space in Escherichia coli. Roles for the KpsE and KpsD proteins. <i>Journal of Biological Chemistry</i> , 2001 , 276, 4245-50	5.4	30
29	Isolation from recombinant Escherichia coli and characterization of CMP-Kdo synthetase, involved in the expression of the capsular K5 polysaccharide (K-CKS). <i>FEMS Microbiology Letters</i> , 1995 , 125, 159-64	2.9	30
28	Capsular polysaccharides in Escherichia coli. <i>Advances in Applied Microbiology</i> , 2008 , 65, 1-26	4.9	29
27	Characterisation of IS1126 from Porphyromonas gingivalis W83: a new member of the IS4 family of insertion sequence elements. <i>FEMS Microbiology Letters</i> , 1994 , 123, 219-24	2.9	27
26	ILC2s mediate systemic innate protection by priming mucus production at distal mucosal sites. <i>Journal of Experimental Medicine</i> , 2019 , 216, 2714-2723	16.6	25
25	Diverse Ecological Strategies Are Encoded by Streptococcus pneumoniae Bacteriocin-Like Peptides. <i>Genome Biology and Evolution</i> , 2016 , 8, 1072-90	3.9	23
24	Eavesdropping and crosstalk between secreted quorum sensing peptide signals that regulate bacteriocin production in Streptococcus pneumoniae. <i>ISME Journal</i> , 2018 , 12, 2363-2375	11.9	21
23	Regulation of expression of the region 3 promoter of the Escherichia coli K5 capsule gene cluster involves H-NS, SlyA, and a large 5' untranslated region. <i>Journal of Bacteriology</i> , 2009 , 191, 1838-46	3.5	21
22	Phenotypic Heterogeneity in Expression of the K1 Polysaccharide Capsule of Uropathogenic Escherichia coli and Downregulation of the Capsule Genes during Growth in Urine. <i>Infection and Immunity</i> , 2015 , 83, 2605-13	3.7	20
21	Investigating the molecular basis for the virulence of Escherichia coli K5 by nuclear magnetic resonance analysis of the capsule polysaccharide. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009 , 17, 71-82	0.9	18
20	The role of microbial polysaccharides in host-pathogen interaction. <i>F1000 Biology Reports</i> , 2009 , 1, 30		16
19	Listeria monocytogenes Has Both Cytochrome -Type and Cytochrome -Type Terminal Oxidases, Which Allow Growth at Different Oxygen Levels, and Both Are Important in Infection. <i>Infection and Immunity</i> , 2017 , 85,	3.7	15
18	Metal ion homeostasis in Listeria monocytogenes and importance in host-pathogen interactions. <i>Advances in Microbial Physiology</i> , 2014 , 65, 83-123	4.4	15

17	Functional characterization of the mucus barrier on the skin surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 726-731	11.5	14
16	Inhibition of calpain blocks the phagosomal escape of <i>Listeria monocytogenes</i> . <i>PLoS ONE</i> , 2012 , 7, e35936	3.7	14
15	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. <i>Langmuir</i> , 2019 , 35, 5635-5646	4	13
14	Lamellipodin Is Important for Cell-to-Cell Spread and Actin-Based Motility in <i>Listeria monocytogenes</i> . <i>Infection and Immunity</i> , 2015 , 83, 3740-8	3.7	11
13	Recombinant plants provide a new approach to the production of bacterial polysaccharide for vaccines. <i>PLoS ONE</i> , 2014 , 9, e88144	3.7	11
12	Regulatory RNAs: A Universal Language for Inter-Domain Communication. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
11	Pherotype Polymorphism in <i>Streptococcus pneumoniae</i> Has No Obvious Effects on Population Structure and Recombination. <i>Genome Biology and Evolution</i> , 2017 , 9, 2546-2559	3.9	8
10	Human mast cells exhibit an individualized pattern of antimicrobial responses. <i>Immunity, Inflammation and Disease</i> , 2020 , 8, 198-210	2.4	6
9	Three tandem promoters, together with IHF, regulate growth phase dependent expression of the <i>Escherichia coli</i> kps capsule gene cluster. <i>Scientific Reports</i> , 2017 , 7, 17924	4.9	6
8	Bacterial Polysaccharide Capsules 2010 , 111-132		6
7	Bacterial Surfaces: Front Lines in Host-Pathogen Interaction. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 915, 129-56	3.6	6
6	The behaviour of both <i>Listeria monocytogenes</i> and rat ciliated ependymal cells is altered during their co-culture. <i>PLoS ONE</i> , 2010 , 5, e10450	3.7	5
5	The <i>Escherichia coli</i> K5 capsule is not synthesized in a protected compartment within the cytoplasm. <i>Journal of Bacteriology</i> , 2009 , 191, 1716-8	3.5	5
4	The interplay between and the microbiota. <i>Parasitology</i> , 2021 , 1-8	2.7	4
3	Quenched Stochastic Optical Reconstruction Microscopy (qSTORM) with Graphene Oxide. <i>Scientific Reports</i> , 2018 , 8, 16928	4.9	4
2	Capsule production in <i>Escherichia coli</i> : co-ordinate regulation of biosynthesis and export by environmental factors. <i>Biochemical Society Transactions</i> , 1991 , 19, 628-30	5.1	2
1	Regulation of Group 2 Capsule Gene Expression: A Mini Review and Update.. <i>Frontiers in Microbiology</i> , 2022 , 13, 858767	5.7	1