Simon J Waddell

List of Publications by Year
in descending order

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57	3,116	257101	168136
papers	citations	24 h-index	53 g-index

66	66	66	4830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Benzothiazinones Kill Mycobacterium tuberculosis by Blocking Arabinan Synthesis. Science, 2009, 324, 801-804.	6.0	660
2	Cytological and Transcript Analyses Reveal Fat and Lazy Persister-Like Bacilli in Tuberculous Sputum. PLoS Medicine, 2008, 5, e75.	3.9	383
3	Mycobacterial P1-Type ATPases Mediate Resistance to Zinc Poisoning in Human Macrophages. Cell Host and Microbe, 2011, 10, 248-259.	5.1	304
4	Acquired predisposition to mycobacterial disease due to autoantibodies to IFN-Î³. Journal of Clinical Investigation, 2005, 115, 2480-2488.	3.9	206
5	Probing Host Pathogen Cross-Talk by Transcriptional Profiling of Both Mycobacterium tuberculosis and Infected Human Dendritic Cells and Macrophages. PLoS ONE, 2008, 3, e1403.	1.1	172
6	Dissecting Interferon-Induced Transcriptional Programs in Human Peripheral Blood Cells. PLoS ONE, 2010, 5, e9753.	1.1	134
7	The use of microarray analysis to determine the gene expression profiles of Mycobacterium tuberculosis in response to anti-bacterial compounds. Tuberculosis, 2004, 84, 263-274.	0.8	106
8	A non-canonical mismatch repair pathway in prokaryotes. Nature Communications, 2017, 8, 14246.	5.8	100
9	Myocardial depressant effects of interleukin 6 in meningococcal sepsis are regulated by p38 mitogen-activated protein kinase*. Critical Care Medicine, 2011, 39, 1692-1711.	0.4	75
10	Potassium availability triggers Mycobacterium tuberculosis transition to, and resuscitation from, non-culturable (dormant) states. Open Biology, 2014, 4, 140106.	1.5	73
11	Identification of antigens presented by MHC for vaccines against tuberculosis. Npj Vaccines, 2020, 5, 2.	2.9	69
12	Profiling persistent tubercule bacilli from patient sputa during therapy predicts early drug efficacy. BMC Medicine, 2016, 14, 68.	2.3	55
13	Intestinal Injury and Endotoxemia in Children Undergoing Surgery for Congenital Heart Disease. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 1261-1269.	2.5	53
14	Inactivation of polyketide synthase and related genes results in the loss of complex lipids in Mycobacterium tuberculosis H37Rv. Letters in Applied Microbiology, 2005, 40, 201-206.	1.0	43
15	Contrasting Transcriptional Responses of a Virulent and an Attenuated Strain of Mycobacterium tuberculosis Infecting Macrophages. PLoS ONE, 2010, 5, e11066.	1.1	42
16	Understanding anti-tuberculosis drug efficacy: rethinking bacterial populations and how we model them. International Journal of Infectious Diseases, 2015, 32, 76-80.	1.5	38
17	Microarray Analysis of Whole Genome Expression of Intracellular Mycobacterium tuberculosis. Current Molecular Medicine, 2007, 7, 287-296.	0.6	36
18	Quantification of global transcription patterns in prokaryotes using spotted microarrays. Genome Biology, 2007, 8, R265.	13.9	34

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19	Adjusting to a new home:Mycobacterium tuberculosisgene expression in response to an intracellular lifestyle. Future Microbiology, 2009, 4, 1317-1335.	1.0	32
20	RNA profiling in hostâ€“pathogen interactions. Current Opinion in Microbiology, 2007, 10, 297-302.	2.3	31
21	Examining the basis of isoniazid tolerance in nonreplicating Mycobacterium tuberculosis using transcriptional profiling. Future Medicinal Chemistry, 2010, 2, 1371-1383.	1.1	29
22	cDNAâ€“RNA subtractive hybridization reveals increased expression of mycocerosic acid synthase in intracellular Mycobacterium bovis BCG. Microbiology (United Kingdom), 2001, 147, 2293-2305.	0.7	29
23	Identification of a series of hair-cell MET channel blockers that protect against aminoglycoside-induced ototoxicity. JCI Insight, 2021, 6, .	2.3	27
24	Identification of ion-channel modulators that protect against aminoglycoside-induced hair cell death. JCI Insight, 2017, 2, .	2.3	26
25	Microarray analysis of defined Mycobacterium tuberculosis populations using RNA amplification strategies. BMC Genomics, 2008, 9, 94.	1.2	25
26	Distance-based differential analysis of gene curves. Bioinformatics, 2011, 27, 3135-3141.	1.8	24
27	Whole genome sequencing of drug resistant Mycobacterium tuberculosis isolates from a high burden tuberculosis region of North West Pakistan. Scientific Reports, 2019, 9, 14996.	1.6	24
28	Design, Synthesis, and Biological Evaluation of a New Series of Carvedilol Derivatives That Protect Sensory Hair Cells from Aminoglycoside-Induced Damage by Blocking the Mechanoelectrical Transducer Channel. Journal of Medicinal Chemistry, 2019, 62, 5312-5329.	2.9	22
29	Multi-Omics Technologies Applied to Tuberculosis Drug Discovery. Applied Sciences (Switzerland), 2020, 10, 4629.	1.3	22
30	Protein kinase B controls Mycobacterium tuberculosis growth via phosphorylation of the transcriptional regulator Lsr2 at threonine 112. Molecular Microbiology, 2019, 112, 1847-1862.	1.2	18
31	Use of DNA Arrays to Study Transcriptional Responses to Antimycobacterial Compounds. Methods in Molecular Biology, 2010, 642, 75-91.	0.4	18
32	A Novel TetR-Like Transcriptional Regulator Is Induced in Acid-Nitrosative Stress and Controls Expression of an Efflux Pump in Mycobacteria. Frontiers in Microbiology, 2017, 8, 2039.	1.5	17
33	Carprofen elicits pleiotropic mechanisms of bactericidal action with the potential to reverse antimicrobial drug resistance in tuberculosis. Journal of Antimicrobial Chemotherapy, 2020, 75, 3194-3201.	1.3	16
34	Increased transcription of a potential sigma factor regulatory gene Rv1364c inMycobacterium bovisBCG while residing in macrophages indicates use of alternative promoters. FEMS Microbiology Letters, 2004, 233, 333-339.	0.7	15
35	Childhood tuberculosis is associated with decreased abundance of T cell gene transcripts and impaired T cell function. PLoS ONE, 2017, 12, e0185973.	1.1	15
36	Antimicrobial Treatment Improves Mycobacterial Survival in Nonpermissive Growth Conditions. Antimicrobial Agents and Chemotherapy, 2014, 58, 2798-2806.	1.4	11

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37	Methionine Sulfoximine Resistance in Mycobacterium tuberculosis Is Due to a Single Nucleotide Deletion Resulting in Increased Expression of the Major Glutamine Synthetase, GlnA1. Microbial Drug Resistance, 2011, 17, 351-355.	0.9	10
38	Lipid droplets and the transcriptome of Mycobacterium tuberculosis from direct sputa: a literature review. Lipids in Health and Disease, 2021, 20, 129.	1.2	10
39	Effects of low incubation temperatures on the bactericidal activity of anti-tuberculosis drugs. Journal of Antimicrobial Chemotherapy, 2011, 66, 146-150.	1.3	9
40	Search for Antimicrobial Activity Among Fifty-Two Natural and Synthetic Compounds Identifies Anthraquinone and Polyacetylene Classes That Inhibit Mycobacterium tuberculosis. Frontiers in Microbiology, 2020, 11, 622629.	1.5	9
41	Searching for new therapeutic options for the uncommon pathogen Mycobacterium chimaera: an open drug discovery approach. Lancet Microbe, The, 2022, 3, e382-e391.	3.4	9
42	Oleoyl Coenzyme A Regulates Interaction of Transcriptional Regulator RaaS (Rv1219c) with DNA in Mycobacteria. Journal of Biological Chemistry, 2014, 289, 25241-25249.	1.6	8
43	Weighted Gene Co-Expression Network Analysis Identifies Key Modules and Hub Genes Associated with Mycobacterial Infection of Human Macrophages. Antibiotics, 2021, 10, 97.	1.5	8
44	Three-dimensional low shear culture of Mycobacterium bovis BCG induces biofilm formation and antimicrobial drug tolerance. Npj Biofilms and Microbiomes, 2021, 7, 12.	2.9	8
45	Transcriptional Profiling Mycobacterium tuberculosis from Patient Sputa. Methods in Molecular Biology, 2018, 1736, 117-128.	0.4	7
46	Characterization of the Mycobacterial MSMEG-3762/63 Efflux Pump in Mycobacterium smegmatis Drug Efflux. Frontiers in Microbiology, 2020, 11, 575828.	1.5	7
47	Spontaneously Occurring Small-Colony Variants of Staphylococcus aureus Show Enhanced Clearance by THP-1 Macrophages. Frontiers in Microbiology, 2020, 11, 1300.	1.5	7
48	Increased transcription of a potential sigma factor regulatory gene Rv1364c in Mycobacterium bovis BCG while residing in macrophages indicates use of alternative promoters. FEMS Microbiology Letters, 2004, 233, 333-339.	0.7	7
49	Dissecting the Mycobacterium bovis BCG Response to Macrophage Infection to Help Prioritize Targets for Anti-Tuberculosis Drug and Vaccine Discovery. Vaccines, 2022, 10, 113.	2.1	7
50	Characterisation of drug-resistant Mycobacterium tuberculosis mutations and transmission in Pakistan. Scientific Reports, 2022, 12, 7703.	1.6	7
51	Reprogramming the Mycobacterium tuberculosis transcriptome during pathogenesis. Drug Discovery Today Disease Mechanisms, 2010, 7, e67-e73.	0.8	5
52	The Mycobacterium tuberculosis sRNA F6 Modifies Expression of Essential Chaperonins, GroEL2 and GroES. Microbiology Spectrum, 2021, 9, e0109521.	1.2	5
53	Undetected carriage explains apparent Staphylococcus aureus acquisition in a non-outbreak healthcare setting. Journal of Infection, 2021, 83, 332-338.	1.7	2
54	Biofilms in tuberculosis: What have we learnt in the past decade and what is still unexplored?. Tuberculosis, 2022, 132, 102153.	0.8	2

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55	Hostâ€“Pathogen Interactions. , 2013, , 107-126.		1
56	Whole Genome Analysis Using Microarrays. Methods in Molecular Biology, 2009, 465, 83-93.	0.4	0
57	Advances in Tuberculosis Medicinal Chemistry. , 2016, , .		0