

Malcolm J Mcconville

List of Publications by Year in Descending Order

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

193
papers

9,630
citations

56
h-index

91
g-index

248
ext. papers

11,550
ext. citations

7.5
avg, IF

5.95
L-index

#	Paper	IF	Citations
193	Oxidative desulfurization pathway for complete catabolism of sulfoquinovose by bacteria.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	2
192	Type I interferon antagonism of the JMJD3-IRF4 pathway modulates macrophage activation and polarization.. <i>Cell Reports</i> , 2022 , 39, 110719	10.6	0
191	Toxoplasma gondii apicoplast-resident ferredoxin is an essential electron transfer protein for the MEP isoprenoid-biosynthetic pathway.. <i>Journal of Biological Chemistry</i> , 2021 , 298, 101468	5.4	1
190	The Redox Homeostasis of Skeletal Muscle Cells Regulates Stage Differentiation of. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 798549	5.9	0
189	Identification of Metabolically Quiescent Parasites in Peripheral and Cured Dermal Granulomas Using Stable Isotope Tracing Imaging Mass Spectrometry. <i>MBio</i> , 2021 , 12,	7.8	2
188	The utilisation of glutamine and glucose by a 3-D tumour model trapped in quiescence. <i>International Journal of Biochemistry and Cell Biology</i> , 2021 , 133, 105935	5.6	0
187	Non-canonical metabolic pathways in the malaria parasite detected by isotope-tracing metabolomics. <i>Molecular Systems Biology</i> , 2021 , 17, e10023	12.2	5
186	Malaria thriving on steroids. <i>Nature Metabolism</i> , 2021 , 3, 892-893	14.6	1
185	Evolution and function of carbohydrate reserve biosynthesis in parasitic protists. <i>Trends in Parasitology</i> , 2021 , 37, 988-1001	6.4	1
184	The placental lipidome of maternal antenatal depression predicts socio-emotional problems in the offspring. <i>Translational Psychiatry</i> , 2021 , 11, 107	8.6	3
183	Coordinated action of multiple transporters in the acquisition of essential cationic amino acids by the intracellular parasite Toxoplasma gondii. <i>PLoS Pathogens</i> , 2021 , 17, e1009835	7.6	3
182	Metabolic stringent response in intracellular stages of Leishmania. <i>Current Opinion in Microbiology</i> , 2021 , 63, 126-132	7.9	2
181	The Key Glycolytic Enzyme Phosphofructokinase Is Involved in Resistance to Antiplasmodial Glycosides. <i>MBio</i> , 2020 , 11,	7.8	2
180	Reprogrammed mRNA translation drives resistance to therapeutic targeting of ribosome biogenesis. <i>EMBO Journal</i> , 2020 , 39, e105111	13	9
179	MtrP, a putative methyltransferase in Corynebacteria, is required for optimal membrane transport of trehalose mycolates. <i>Journal of Biological Chemistry</i> , 2020 , 295, 6108-6119	5.4	6
178	Unique properties of a subset of human pluripotent stem cells with high capacity for self-renewal. <i>Nature Communications</i> , 2020 , 11, 2420	17.4	13
177	Encodes a Bacterium-like 2,4-Dienoyl-Coenzyme A Reductase That Is Required for Fatty Acid Oxidation and Intracellular Parasite Survival. <i>MBio</i> , 2020 , 11,	7.8	4

176	Metabolic characteristics of CD8 T cell subsets in young and aged individuals are not predictive of functionality. <i>Nature Communications</i> , 2020 , 11, 2857	17.4	18
175	Metabolomics Provide Sensitive Insights into the Impacts of Low Level Environmental Contamination on Fish Health-A Pilot Study. <i>Metabolites</i> , 2020 , 10,	5.6	5
174	EirA Is a Novel Protein Essential for Intracellular Replication of <i>Coxiella burnetii</i> . <i>Infection and Immunity</i> , 2020 , 88,	3.7	3
173	A Sulfoglycolytic Entner-Doudoroff Pathway in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> SRDI565. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	10
172	Metabolomic Analysis of <i>Toxoplasma gondii</i> Tachyzoites. <i>Methods in Molecular Biology</i> , 2020 , 2071, 435-452		1
171	The natural function of the malaria parasite's chloroquine resistance transporter. <i>Nature Communications</i> , 2020 , 11, 3922	17.4	17
170	Immunometabolism of <i>Leishmania granulomas</i> . <i>Immunology and Cell Biology</i> , 2020 , 98, 832-844	5	13
169	Modulation of acyl-carnitines, the broad mechanism behind -mediated inhibition of medically important flaviviruses in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24475-24483	11.5	11
168	Metabolomics in the study of spontaneous animal diseases. <i>Journal of Veterinary Diagnostic Investigation</i> , 2020 , 32, 635-647	1.5	8
167	Metabolic networks and metabolomics 2020 , 451-497		1
166	Analysis of the Physiological and Metabolic State of <i>Leishmania</i> Using Heavy Water Labeling. <i>Methods in Molecular Biology</i> , 2020 , 2116, 587-609	1.4	2
165	Changes in plasma lipids predict pravastatin efficacy in secondary prevention. <i>JCI Insight</i> , 2019 , 4,	9.9	5
164	A Family of Dual-Activity Glycosyltransferase-Phosphorylases Mediates Mannogen Turnover and Virulence in <i>Leishmania</i> Parasites. <i>Cell Host and Microbe</i> , 2019 , 26, 385-399.e9	23.4	22
163	Hookworm-Derived Metabolites Suppress Pathology in a Mouse Model of Colitis and Inhibit Secretion of Key Inflammatory Cytokines in Primary Human Leukocytes. <i>Infection and Immunity</i> , 2019 , 87,	3.7	19
162	An apically located hybrid guanylate cyclase-ATPase is critical for the initiation of Ca signaling and motility in. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8959-8972	5.4	19
161	Antibiotic resistance and host immune evasion in mediated by a metabolic adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3722-3727	11.5	36
160	The tyrosine transporter of <i>Toxoplasma gondii</i> is a member of the newly defined apicomplexan amino acid transporter (ApiAT) family. <i>PLoS Pathogens</i> , 2019 , 15, e1007577	7.6	23
159	Delayed death in the malaria parasite <i>Plasmodium falciparum</i> is caused by disruption of prenylation-dependent intracellular trafficking. <i>PLoS Biology</i> , 2019 , 17, e3000376	9.7	33

158	Metabolomic profiling of the excretory-secretory products of hookworm and whipworm. <i>Metabolomics</i> , 2019 , 15, 101	4.7	16
157	Microbiota-Derived Short-Chain Fatty Acids Promote the Memory Potential of Antigen-Activated CD8 T Cells. <i>Immunity</i> , 2019 , 51, 285-297.e5	32.3	175
156	Autocrine IFN- γ inhibits isocitrate dehydrogenase in the TCA cycle of LPS-stimulated macrophages. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4239-4244	15.9	22
155	Function of hTim8a in complex IV assembly in neuronal cells provides insight into pathomechanism underlying Mohr-Tranebjerg syndrome. <i>ELife</i> , 2019 , 8,	8.9	18
154	The multifunctional enzyme S-adenosylhomocysteine/methylthioadenosine nucleosidase is a key metabolic enzyme in the virulence of <i>Salmonella enterica</i> var Typhimurium. <i>Biochemical Journal</i> , 2019 , 476, 3435-3453	3.8	1
153	<i>Coxiella burnetii</i> utilizes both glutamate and glucose during infection with glucose uptake mediated by multiple transporters. <i>Biochemical Journal</i> , 2019 , 476, 2851-2867	3.8	6
152	The Metabolite Repair Enzyme Phosphoglycolate Phosphatase Regulates Central Carbon Metabolism and Fosmidomycin Sensitivity in <i>Plasmodium falciparum</i> . <i>MBio</i> , 2019 , 10,	7.8	11
151	Decreased K13 Abundance Reduces Hemoglobin Catabolism and Proteotoxic Stress, Underpinning Artemisinin Resistance. <i>Cell Reports</i> , 2019 , 29, 2917-2928.e5	10.6	58
150	Determining the Mode of Action of Antimalarial Drugs Using Time-Resolved LC-MS-Based Metabolite Profiling. <i>Methods in Molecular Biology</i> , 2019 , 1859, 225-239	1.4	3
149	Establishing a distributed national research infrastructure providing bioinformatics support to life science researchers in Australia. <i>Briefings in Bioinformatics</i> , 2019 , 20, 384-389	13.4	8
148	<i>Leishmania mexicana</i> can utilize amino acids as major carbon sources in macrophages but not in animal models. <i>Molecular Microbiology</i> , 2018 , 108, 143-158	4.1	24
147	DEXSI: a new tool for the rapid quantitation of ^{13}C -labelled metabolites detected by GC-MS. <i>Bioinformatics</i> , 2018 , 34, 1957-1958	7.2	23
146	Methionine biosynthesis and transport are functionally redundant for the growth and virulence of <i>Typhimurium</i> . <i>Journal of Biological Chemistry</i> , 2018 , 293, 9506-9519	5.4	14
145	Phospholipase A2 activity during the replication cycle of the flavivirus West Nile virus. <i>PLoS Pathogens</i> , 2018 , 14, e1007029	7.6	23
144	Identification of novel lipid modifications and intermembrane dynamics in using high-resolution mass spectrometry. <i>Journal of Lipid Research</i> , 2018 , 59, 1190-1204	6.3	17
143	The <i>Plasmodium falciparum</i> transcriptome in severe malaria reveals altered expression of genes involved in important processes including surface antigen-encoding var genes. <i>PLoS Biology</i> , 2018 , 16, e2004328	9.7	38
142	Large-scale plasma lipidomic profiling identifies lipids that predict cardiovascular events in secondary prevention. <i>JCI Insight</i> , 2018 , 3,	9.9	59
141	NLRP1 restricts butyrate producing commensals to exacerbate inflammatory bowel disease. <i>Nature Communications</i> , 2018 , 9, 3728	17.4	45

140	Protein kinase A negatively regulates Ca ²⁺ signalling in <i>Toxoplasma gondii</i> . <i>PLoS Biology</i> , 2018 , 16, e2005642	5.4	36
139	Characterization of the <i>Plasmodium falciparum</i> and <i>P. berghei</i> glycerol 3-phosphate acyltransferase involved in FASII fatty acid utilization in the malaria parasite apicoplast. <i>Cellular Microbiology</i> , 2017 , 19, e12633	3.9	19
138	Identification of a Membrane Protein Required for Lipomannan Maturation and Lipoarabinomannan Synthesis in <i>Corynebacterineae</i> . <i>Journal of Biological Chemistry</i> , 2017 , 292, 4976-4986	5.4	17
137	Sengers Syndrome-Associated Mitochondrial Acylglycerol Kinase Is a Subunit of the Human TIM22 Protein Import Complex. <i>Molecular Cell</i> , 2017 , 67, 457-470.e5	17.6	69
136	Analysis of Ca mediated signaling regulating <i>Toxoplasma</i> infectivity reveals complex relationships between key molecules. <i>Cellular Microbiology</i> , 2017 , 19, e12685	3.9	29
135	Extensive Metabolic Remodeling Differentiates Non-pathogenic and Pathogenic Growth Forms of the Dimorphic Pathogen. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 368	5.9	8
134	Transcriptomics Indicates Active and Passive Metronidazole Resistance Mechanisms in Three Seminal Lines. <i>Frontiers in Microbiology</i> , 2017 , 8, 398	5.7	26
133	Pharmacokinetics of a single 1g dose of azithromycin in rectal tissue in men. <i>PLoS ONE</i> , 2017 , 12, e0174372	3.7	32
132	Measurement of tissue azithromycin levels in self-collected vaginal swabs post treatment using liquid chromatography and tandem mass spectrometry (LC-MS/MS). <i>PLoS ONE</i> , 2017 , 12, e0177615	3.7	6
131	The Malaria Parasite's Lactate Transporter PFFNT Is the Target of Antiplasmodial Compounds Identified in Whole Cell Phenotypic Screens. <i>PLoS Pathogens</i> , 2017 , 13, e1006180	7.6	24
130	Metabolic Dysregulation Induced in <i>Plasmodium falciparum</i> by Dihydroartemisinin and Other Front-Line Antimalarial Drugs. <i>Journal of Infectious Diseases</i> , 2016 , 213, 276-86	7	48
129	Identification of inhibitors that dually target the new permeability pathway and dihydroorotate dehydrogenase in the blood stage of <i>Plasmodium falciparum</i> . <i>Scientific Reports</i> , 2016 , 6, 37502	4.9	22
128	Adenosine monophosphate deaminase 3 activation shortens erythrocyte half-life and provides malaria resistance in mice. <i>Blood</i> , 2016 , 128, 1290-301	2.2	21
127	Plasma Lipidomic Profiles Improve on Traditional Risk Factors for the Prediction of Cardiovascular Events in Type 2 Diabetes Mellitus. <i>Circulation</i> , 2016 , 134, 1637-1650	16.7	133
126	<i>Legionella pneumophila</i> S1P-lyase targets host sphingolipid metabolism and restrains autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1901-6	11.5	91
125	Towards Improving Point-of-Care Diagnosis of Non-malaria Febrile Illness: A Metabolomics Approach. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004480	4.8	11
124	Lipidomic Profiling of Adipose Tissue Reveals an Inflammatory Signature in Cancer-Related and Primary Lymphedema. <i>PLoS ONE</i> , 2016 , 11, e0154650	3.7	13
123	Apicoplast-Localized Lysophosphatidic Acid Precursor Assembly Is Required for Bulk Phospholipid Synthesis in <i>Toxoplasma gondii</i> and Relies on an Algal/Plant-Like Glycerol 3-Phosphate Acyltransferase. <i>PLoS Pathogens</i> , 2016 , 12, e1005765	7.6	29

122	Stage-Specific Changes in Plasmodium Metabolism Required for Differentiation and Adaptation to Different Host and Vector Environments. <i>PLoS Pathogens</i> , 2016 , 12, e1006094	7.6	56
121	Metabolomics and lipidomics reveal perturbation of sphingolipid metabolism by a novel anti-trypanosomal 3-(oxazolo[4,5-b]pyridine-2-yl)anilide. <i>Metabolomics</i> , 2016 , 12, 1	4.7	16
120	Metabolic Crosstalk between Leishmania and the Macrophage Host. <i>Trends in Parasitology</i> , 2016 , 32, 666-668	6.4	18
119	Metabolomics-Based Screening of the Malaria Box Reveals both Novel and Established Mechanisms of Action. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 6650-6663	5.9	62
118	Divergent Transcriptional Responses to Physiological and Xenobiotic Stress in Giardia duodenalis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 6034-45	5.9	13
117	Evidence that asthma is a developmental origin disease influenced by maternal diet and bacterial metabolites. <i>Nature Communications</i> , 2015 , 6, 7320	17.4	474
116	Characterization of metabolically quiescent Leishmania parasites in murine lesions using heavy water labeling. <i>PLoS Pathogens</i> , 2015 , 11, e1004683	7.6	92
115	In vivo cardiac glucose metabolism in the high-fat fed mouse: Comparison of euglycemic-hyperinsulinemic clamp derived measures of glucose uptake with a dynamic metabolomic flux profiling approach. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 463, 818-24	3.4	12
114	Drug resistance in Giardia duodenalis. <i>Biotechnology Advances</i> , 2015 , 33, 888-901	17.8	73
113	A multi-platform metabolomics approach demonstrates changes in energy metabolism and the transsulfuration pathway in Chironomus tepperi following exposure to zinc. <i>Aquatic Toxicology</i> , 2015 , 162, 54-65	5.1	26
112	Endosymbiosis undone by stepwise elimination of the plastid in a parasitic dinoflagellate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5767-72	11.5	60
111	Application of dynamic metabolomics to examine in vivo skeletal muscle glucose metabolism in the chronically high-fat fed mouse. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 462, 27-32	3.4	35
110	The intracellular parasite Toxoplasma gondii depends on the synthesis of long-chain and very long-chain unsaturated fatty acids not supplied by the host cell. <i>Molecular Microbiology</i> , 2015 , 97, 64-76	4.1	44
109	High-content assay for measuring intracellular growth of Leishmania in human macrophages. <i>Assay and Drug Development Technologies</i> , 2015 , 13, 389-401	2.1	18
108	A Toxoplasma gondii Gluconeogenic Enzyme Contributes to Robust Central Carbon Metabolism and Is Essential for Replication and Virulence. <i>Cell Host and Microbe</i> , 2015 , 18, 210-20	23.4	56
107	Overexpression of sphingosine kinase 1 in liver reduces triglyceride content in mice fed a low but not high-fat diet. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 210-9	5	29
106	Plasmodium falciparum glucose-6-phosphate dehydrogenase 6-phosphogluconolactonase is a potential drug target. <i>FEBS Journal</i> , 2015 , 282, 3808-23	5.7	15
105	An Efficient Single Phase Method for the Extraction of Plasma Lipids. <i>Metabolites</i> , 2015 , 5, 389-403	5.6	85

104	Time-Dependent Transcriptional Changes in Axenic <i>Giardia duodenalis</i> Trophozoites. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004261	4.8	12
103	Host reticulocytes provide metabolic reservoirs that can be exploited by malaria parasites. <i>PLoS Pathogens</i> , 2015 , 11, e1004882	7.6	48
102	Intracellular Survival of <i>Leishmania major</i> Depends on Uptake and Degradation of Extracellular Matrix Glycosaminoglycans by Macrophages. <i>PLoS Pathogens</i> , 2015 , 11, e1005136	7.6	29
101	Regulation of Starch Stores by a Ca(2+)-Dependent Protein Kinase Is Essential for Viable Cyst Development in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015 , 18, 670-81	23.4	49
100	Acetylation of trehalose mycolates is required for efficient MmpL-mediated membrane transport in <i>Corynebacterineae</i> . <i>ACS Chemical Biology</i> , 2015 , 10, 734-46	4.9	31
99	<i>Leishmania</i> carbon metabolism in the macrophage phagolysosome- feast or famine?. <i>F1000Research</i> , 2015 , 4, 938	3.6	51
98	Letter to the glycoforum transforming glycoscience: an Australian perspective. <i>Glycobiology</i> , 2014 , 24, 1-3	5.8	1
97	<i>Plasmodium falciparum</i> is dependent on de novo myo-inositol biosynthesis for assembly of GPI glycolipids and infectivity. <i>Molecular Microbiology</i> , 2014 , 91, 762-76	4.1	14
96	Golgi-located NTPDase1 of <i>Leishmania major</i> is required for lipophosphoglycan elongation and normal lesion development whereas secreted NTPDase2 is dispensable for virulence. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3402	4.8	11
95	Induction of a stringent metabolic response in intracellular stages of <i>Leishmania mexicana</i> leads to increased dependence on mitochondrial metabolism. <i>PLoS Pathogens</i> , 2014 , 10, e1003888	7.6	112
94	BCKDH: the missing link in apicomplexan mitochondrial metabolism is required for full virulence of <i>Toxoplasma gondii</i> and <i>Plasmodium berghei</i> . <i>PLoS Pathogens</i> , 2014 , 10, e1004263	7.6	86
93	Using fat to turbo-charge intracellular parasite growth. <i>Cell Host and Microbe</i> , 2014 , 16, 705-7	23.4	
92	<i>Porphyromonas gingivalis</i> and <i>Treponema denticola</i> exhibit metabolic symbioses. <i>PLoS Pathogens</i> , 2014 , 10, e1003955	7.6	87
91	Mitochondrial metabolism of sexual and asexual blood stages of the malaria parasite <i>Plasmodium falciparum</i> . <i>BMC Biology</i> , 2013 , 11, 67	7.3	162
90	Membrane targeting of the small myristoylated protein 2 (SMP-2) in <i>Leishmania major</i> . <i>Molecular and Biochemical Parasitology</i> , 2013 , 190, 1-5	1.9	2
89	Atypical lipid composition in the purified relict plastid (apicoplast) of malaria parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7506-11	11.5	88
88	Synthesis, structural elucidation, and biochemical analysis of immunoactive glucuronosyl diacylglycerides of mycobacteria and corynebacteria. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2175-90	4.2	21
87	Chronic arsenic exposure and microbial drug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19666-7	11.5	5

86	Alveolate mitochondrial metabolic evolution: dinoflagellates force reassessment of the role of parasitism as a driver of change in apicomplexans. <i>Molecular Biology and Evolution</i> , 2013 , 30, 123-39	8.3	50
85	<i>Leishmania major</i> methionine sulfoxide reductase A is required for resistance to oxidative stress and efficient replication in macrophages. <i>PLoS ONE</i> , 2013 , 8, e56064	3.7	17
84	Acylation-dependent and-independent membrane targeting and distinct functions of small myristoylated proteins (SMPs) in <i>Leishmania major</i> . <i>International Journal for Parasitology</i> , 2012 , 42, 239-47	4.7	9
83	Metabolomic analysis of trypanosomatid protozoa. <i>Molecular and Biochemical Parasitology</i> , 2012 , 181, 73-84	1.9	46
82	MR1 presents microbial vitamin B metabolites to MAIT cells. <i>Nature</i> , 2012 , 491, 717-23	50.4	834
81	Mitochondrial metabolism of glucose and glutamine is required for intracellular growth of <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2012 , 12, 682-92	23.4	143
80	PyMS: a Python toolkit for processing of gas chromatography-mass spectrometry (GC-MS) data. Application and comparative study of selected tools. <i>BMC Bioinformatics</i> , 2012 , 13, 115	3.6	48
79	Normalizing and integrating metabolomics data. <i>Analytical Chemistry</i> , 2012 , 84, 10768-76	7.8	148
78	Discovery of inhibitors of <i>Leishmania</i> β ,2-mannosyltransferases using a click-chemistry-derived guanosine monophosphate library. <i>PLoS ONE</i> , 2012 , 7, e32642	3.7	7
77	Apicoplast and endoplasmic reticulum cooperate in fatty acid biosynthesis in apicomplexan parasite <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2012 , 287, 4957-71	5.4	103
76	The lipoprotein LpqW is essential for the mannosylation of periplasmic glycolipids in <i>Corynebacteria</i> . <i>Journal of Biological Chemistry</i> , 2012 , 287, 42726-38	5.4	19
75	Metabolic pathways required for the intracellular survival of <i>Leishmania</i> . <i>Annual Review of Microbiology</i> , 2011 , 65, 543-61	17.5	98
74	Cell wall integrity is linked to mitochondria and phospholipid homeostasis in <i>Candida albicans</i> through the activity of the post-transcriptional regulator Ccr4-Pop2. <i>Molecular Microbiology</i> , 2011 , 79, 968-89	4.1	95
73	Calcineurin is required for <i>Leishmania major</i> stress response pathways and for virulence in the mammalian host. <i>Molecular Microbiology</i> , 2011 , 80, 471-80	4.1	38
72	Lysosomal degradation of <i>Leishmania</i> hexose and inositol transporters is regulated in a stage-, nutrient- and ubiquitin-dependent manner. <i>International Journal for Parasitology</i> , 2011 , 41, 791-800	4.3	13
71	Comprehensive profiling and quantitation of amine group containing metabolites. <i>Analytical Chemistry</i> , 2011 , 83, 7523-30	7.8	92
70	Identification of plant-like galactolipids in <i>Chromera velia</i> , a photosynthetic relative of malaria parasites. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29893-903	5.4	41
69	Isotopomer profiling of <i>Leishmania mexicana</i> promastigotes reveals important roles for succinate fermentation and aspartate uptake in tricarboxylic acid cycle (TCA) anaplerosis, glutamate synthesis, and growth. <i>Journal of Biological Chemistry</i> , 2011 , 286, 27706-17	5.4	70

68	Intracellular growth and pathogenesis of Leishmania parasites. <i>Essays in Biochemistry</i> , 2011 , 51, 81-95	7.6	32
67	Glycosylated compounds of parasitic protozoa 2010 , 203-231		1
66	Membrane protein SMP-1 is required for normal flagellum function in Leishmania. <i>Journal of Cell Science</i> , 2010 , 123, 544-54	5.3	30
65	Central carbon metabolism of Leishmania parasites. <i>Parasitology</i> , 2010 , 137, 1303-13	2.7	52
64	Stress-induced synthesis of phosphatidylinositol 3-phosphate in mycobacteria. <i>Journal of Biological Chemistry</i> , 2010 , 285, 16643-50	5.4	19
63	Evidence that intracellular stages of Leishmania major utilize amino sugars as a major carbon source. <i>PLoS Pathogens</i> , 2010 , 6, e1001245	7.6	59
62	Recognition and detoxification of the insecticide DDT by Drosophila melanogaster glutathione S-transferase D1. <i>Journal of Molecular Biology</i> , 2010 , 399, 358-66	6.5	48
61	A sample preparation protocol for 1H nuclear magnetic resonance studies of water-soluble metabolites in blood and urine. <i>Analytical Biochemistry</i> , 2010 , 398, 263-5	3.1	36
60	Oocyst wall formation and composition in coccidian parasites. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2009 , 104, 281-9	2.6	79
59	Role of hexosamine biosynthesis in Leishmania growth and virulence. <i>Molecular Microbiology</i> , 2008 , 69, 858-69	4.1	33
58	Leishmania adaptor protein-1 subunits are required for normal lysosome traffic, flagellum biogenesis, lipid homeostasis, and adaptation to temperatures encountered in the mammalian host. <i>Eukaryotic Cell</i> , 2008 , 7, 1256-67		19
57	Analysis of a new mannosyltransferase required for the synthesis of phosphatidylinositol mannosides and lipoarabinomannan reveals two lipomannan pools in corynebacterineae. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6773-82	5.4	57
56	Humans lack iGb3 due to the absence of functional iGb3-synthase: implications for NKT cell development and transplantation. <i>PLoS Biology</i> , 2008 , 6, e172	9.7	93
55	Mutations in pimE restore lipoarabinomannan synthesis and growth in a Mycobacterium smegmatis lpqW mutant. <i>Journal of Bacteriology</i> , 2008 , 190, 3690-9	3.5	31
54	The Leishmania-macrophage interaction: a metabolic perspective. <i>Cellular Microbiology</i> , 2008 , 10, 301-8	3.9	133
53	Direct evidence for ArO-S bond cleavage upon inactivation of Pseudomonas aeruginosa arylsulfatase by aryl sulfamates. <i>ChemBioChem</i> , 2008 , 9, 613-23	3.8	29
52	Living in a phagolysosome; metabolism of Leishmania amastigotes. <i>Trends in Parasitology</i> , 2007 , 23, 368-74		159
51	A high-resolution solution structure of a trypanosomatid FYVE domain. <i>Protein Science</i> , 2007 , 16, 2552-96.3		7

50	Secondary acylation of <i>Klebsiella pneumoniae</i> lipopolysaccharide contributes to sensitivity to antibacterial peptides. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15569-77	5.4	84
49	The reductase that catalyzes mycolic motif synthesis is required for efficient attachment of mycolic acids to arabinogalactan. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11000-8	5.4	79
48	A unique thymic fibroblast population revealed by the monoclonal antibody MTS-15. <i>Journal of Immunology</i> , 2007 , 178, 4956-65	5.3	53
47	Serum amyloid P colocalizes with apolipoproteins in human atheroma: functional implications. <i>Journal of Lipid Research</i> , 2007 , 48, 2162-71	6.3	45
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