Jeremy C Mottram

List of Publications by Year in descending order

234 papers	24,547 citations	14655 66 h-index	7950 149 g-index
245 all docs	245 docs citations	245 times ranked	29975 citing authors

#	Article	IF	Citations
1	Toll-Like Receptor- and Protein Kinase R-Induced Type I Interferon Sustains Infection of Leishmania donovani in Macrophages. Frontiers in Immunology, 2022, 13, 801182.	4.8	10
2	Tissue Specific Dual RNA-Seq Defines Hostâ€“Parasite Interplay in Murine Visceral Leishmaniasis Caused by Leishmania donovani and Leishmania infantum. Microbiology Spectrum, 2022, 10, e0067922.	3.0	10
3	Tag Thy Neighbour: Nanometre-Scale Insights Into Kinetoplastid Parasites With Proximity Dependent Biotinylation. Frontiers in Cellular and Infection Microbiology, 2022, 12, .	3.9	1
4	Bromodomain factor 5 is an essential regulator of transcription in Leishmania. Nature Communications, 2022, 13, .	12.8	8
5	Fast acting allosteric phosphofructokinase inhibitors block trypanosome glycolysis and cure acute African trypanosomiasis in mice. Nature Communications, 2021, 12, 1052.	12.8	21
6	Systematic functional analysis of Leishmania protein kinases identifies regulators of differentiation or survival. Nature Communications, 2021, 12, 1244.	12.8	69
7	Importance of Angomonas deanei KAP4 for kDNA arrangement, cell division and maintenance of the host-bacterium relationship. Scientific Reports, 2021, 11, 9210.	3.3	1
8	Divergent Cytochrome c Maturation System in Kinetoplastid Protists. MBio, 2021, 12, .	4.1	5
9	17-AAG-Induced Activation of the Autophagic Pathway in Leishmania Is Associated with Parasite Death. Microorganisms, 2021, 9, 1089.	3.6	5
10	A CLK1-KKT2 Signaling Pathway Regulating Kinetochore Assembly in Trypanosoma brucei. MBio, 2021, 12, e0068721.	4.1	6
11	Role of the inhibitor of serine peptidase 2 (ISP2) of Trypanosoma brucei rhodesiense in parasite virulence and modulation of the inflammatory responses of the host. PLoS Neglected Tropical Diseases, 2021, 15, e0009526.	3.0	5
12	The kinesin of the flagellum attachment zone in Leishmania is required for cell morphogenesis, cell division and virulence in the mammalian host. PLoS Pathogens, 2021, 17, e1009666.	4.7	8
13	Chromosomal assembly of the nuclear genome of the endosymbiont-bearing trypanosomatid Angomonas deanei. G3: Genes, Genomes, Genetics, 2021, 11, 1-7.	1.8	12
14	Candidates for Balancing Selection in Leishmania donovani Complex Parasites. Genome Biology and Evolution, 2021, 13, .	2.5	11
15	Targeting the trypanosome kinetochore with CLK1 protein kinase inhibitors. Nature Microbiology, 2020, 5, 1207-1216.	13.3	45
16	Role for the flagellum attachment zone in Leishmania anterior cell tip morphogenesis. PLoS Pathogens, 2020, 16, e1008494.	4.7	7
17	Essential roles for deubiquitination in Leishmania life cycle progression. PLoS Pathogens, 2020, 16, e1008455.	4.7	39
18	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. Molecular Cell, 2020, 77, 927-929.	9.7	71

#	Article	IF	Citations
19	New Drugs for Human African Trypanosomiasis: A Twenty First Century Success Story. Tropical Medicine and Infectious Disease, 2020, 5, 29.	2.3	83
20	Anti-Trypanosomal Proteasome Inhibitors Cure Hemolymphatic and Meningoencephalic Murine Infection Models of African Trypanosomiasis. Tropical Medicine and Infectious Disease, 2020, 5, 28.	2.3	8
21	Trypanosoma brucei ATR Links DNA Damage Signaling during Antigenic Variation with Regulation of RNA Polymerase I-Transcribed Surface Antigens. Cell Reports, 2020, 30, 836-851.e5.	6.4	24
22	Leishmania differentiation requires ubiquitin conjugation mediated by a UBC2-UEV1 E2 complex. PLoS Pathogens, 2020, 16, e1008784.	4.7	15
23	In Vivo Bioluminescence Imaging to Assess Compound Efficacy Against Trypanosoma brucei. Methods in Molecular Biology, 2020, 2116, 801-817.	0.9	3
24	Neutrophil elastase promotes Leishmania donovani infection via interferonâ€Î². FASEB Journal, 2019, 33, 10794-10807.	0.5	13
25	Evaluation of clan CD C11 peptidase PNT1 and other Leishmania mexicana cysteine peptidases as potential drug targets. Biochimie, 2019, 166, 150-160.	2.6	13
26	DiCre-Based Inducible Disruption of Leishmania Genes. Methods in Molecular Biology, 2019, 1971, 211-224.	0.9	3
27	TLR2 Signaling in Skin Nonhematopoietic Cells Induces Early Neutrophil Recruitment in Response to Leishmania major Infection. Journal of Investigative Dermatology, 2019, 139, 1318-1328.	0.7	28
28	Leishmania flagellum attachment zone is critical for flagellar pocket shape, development in the sand fly, and pathogenicity in the host. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6351-6360.	7.1	39
29	DiCre-Based Inducible Gene Expression. Methods in Molecular Biology, 2019, 1971, 225-235.	0.9	1
30	Drug Discovery for Kinetoplastid Diseases: Future Directions. ACS Infectious Diseases, 2019, 5, 152-157.	3.8	78
31	Tissue-specific transcriptomic changes associated with AmBisomeÂ® treatment of BALB/c mice with experimental visceral leishmaniasis. Wellcome Open Research, 2019, 4, 198.	1.8	8
32	Natural Resistance of Leishmania infantum to Miltefosine Contributes to the Low Efficacy in the Treatment of Visceral Leishmaniasis in Brazil. American Journal of Tropical Medicine and Hygiene, 2019, 101, 789-794.	1.4	33
33	Genetically Validated Drug Targets in Leishmania: Current Knowledge and Future Prospects. ACS Infectious Diseases, 2018, 4, 467-477.	3.8	74
34	Inhibitor of serine peptidase 2 enhancesLeishmania majorsurvival in the skin through control of monocytes and monocyteâ€derived cells. FASEB Journal, 2018, 32, 1315-1327.	0.5	10
35	Leishmania Genome Dynamics during Environmental Adaptation Reveal Strain-Specific Differences in Gene Copy Number Variation, Karyotype Instability, and Telomeric Amplification. MBio, 2018, 9, .	4.1	82
36	Conditional genome engineering reveals canonical and divergent roles for the Hus1 component of the 9â€“1â€“1 complex in the maintenance of the plastic genome ofLeishmania. Nucleic Acids Research, 2018, 46, 11835-11846.	14.5	24

#	Article	IF	Citations
37	A Leishmania infantum genetic marker associated with miltefosine treatment failure for visceral leishmaniasis. EBioMedicine, 2018, 36, 83-91.	6.1	56
38	Drug candidate and target for leishmaniasis. Nature, 2018, 560, 171-172.	27.8	9
39	New aziridine-based inhibitors of cathepsin L-like cysteine proteases with selectivity for the Leishmania cysteine protease LmCPB2.8. European Journal of Medicinal Chemistry, 2018, 156, 587-597.	5.5	10
40	Tissue and host species-specific transcriptional changes in models of experimental visceral leishmaniasis. Wellcome Open Research, 2018, 3, 135.	1.8	21
41	Tissue and host species-specific transcriptional changes in models of experimental visceral leishmaniasis. Wellcome Open Research, 2018, 3, 135.	1.8	22
42	Recent advances in Leishmania reverse genetics: Manipulating a manipulative parasite. Molecular and Biochemical Parasitology, 2017, 216, 30-38.	1.1	34
43	A DiCre recombinase-based system for inducible expression in Leishmania major. Molecular and Biochemical Parasitology, 2017, 216, 45-48.	1.1	15
44	RNAi screening identifies Trypanosoma brucei stress response protein kinases required for survival in the mouse. Scientific Reports, 2017, 7, 6156.	3.3	27
45	Genome-wide and protein kinase-focused RNAi screens reveal conserved and novel damage response pathways in Trypanosoma brucei. PLoS Pathogens, 2017, 13, e1006477.	4.7	44
46	The ubiquitin-conjugating enzyme CDC34 is essential for cytokinesis in contrast to putative subunits of a SCF complex in Trypanosoma brucei. PLoS Neglected Tropical Diseases, 2017, 11, e0005626.	3.0	16
47	Evaluation of Antigens for Development of a Serological Test for Human African Trypanosomiasis. PLoS ONE, 2016, 11, e0168074.	2.5	12
48	Cysteine Peptidase B Regulates Leishmania mexicana Virulence through the Modulation of GP63 Expression. PLoS Pathogens, 2016, 12, e1005658.	4.7	41
49	Reduction of Tubulin Expression in Angomonas deanei by RNAi Modifies the Ultrastructure of the Trypanosomatid Protozoan and Impairs Division of Its Endosymbiotic Bacterium. Journal of Eukaryotic Microbiology, 2016, 63, 794-803.	1.7	6
50	Proteasome inhibition for treatment of leishmaniasis, Chagas disease and sleeping sickness. Nature, 2016, 537, 229-233.	27.8	325
51	Conditional gene deletion with DiCre demonstrates an essential role for CRK3 in <scp>L</scp>eishmania mexicana cell cycle regulation. Molecular Microbiology, 2016, 100, 931-944.	2.5	52
52	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
53	Crystal Structure and Activity Studies of the C11 Cysteine Peptidase from Parabacteroides merdae in the Human Gut Microbiome. Journal of Biological Chemistry, 2016, 291, 9482-9491.	3.4	15
54	PNT1 Is a C11 Cysteine Peptidase Essential for Replication of the Trypanosome Kinetoplast. Journal of Biological Chemistry, 2016, 291, 9492-9500.	3.4	10

#	Article	IF	Citations
55	An Essential Signal Peptide Peptidase Identified in an RNAi Screen of Serine Peptidases of Trypanosoma brucei. PLoS ONE, 2015, 10, e0123241.	2.5	15
56	Intravital Imaging of a Massive Lymphocyte Response in the Cortical Dura of Mice after Peripheral Infection by Trypanosomes. PLoS Neglected Tropical Diseases, 2015, 9, e0003714.	3.0	31
57	Comparative structural analysis of the caspase family with other clan CD cysteine peptidases. Biochemical Journal, 2015, 466, 219-232.	3.7	74
58	Autophagic digestion of Leishmania major by host macrophages is associated with differential expression of BNIP3, CTSE, and the miRNAs miR-101c, miR-129, and miR-210. Parasites and Vectors, 2015, 8, 404.	2.5	92
59	Glycosome turnover inLeishmania majoris mediated by autophagy. Autophagy, 2014, 10, 2143-2157.	9.1	40
60	Regulators of Trypanosoma brucei Cell Cycle Progression and Differentiation Identified Using a Kinome-Wide RNAi Screen. PLoS Pathogens, 2014, 10, e1003886.	4.7	176
61	The Streamlined Genome of Phytomonas spp. Relative to Human Pathogenic Kinetoplastids Reveals a Parasite Tailored for Plants. PLoS Genetics, 2014, 10, e1004007.	3.5	66
62	Role of protein kinase R in the killing of Leishmania major by macrophages in response to neutrophil elastase and TLR4 via TNFÎ± and IFNÎ². FASEB Journal, 2014, 28, 3050-3063.	0.5	33
63	The Comparative Genomics and Phylogenomics of Leishmania Amazonensis Parasite. Evolutionary Bioinformatics, 2014, 10, EBO.S13759.	1.2	23
64	Purification, Characterization, and Crystallization of Trypanosoma Metacaspases. Methods in Molecular Biology, 2014, 1133, 203-221.	0.9	6
65	Tracking autophagy during proliferation and differentiation of Trypanosoma brucei. Microbial Cell, 2014, 1, 9-20.	3.2	18
66	Cell death in parasitic protozoa: regulated or incidental?. Nature Reviews Microbiology, 2013, 11, 58-66.	28.6	137
67	Mechanism of Trypanosoma brucei gambiense resistance to human serum. Nature, 2013, 501, 430-434.	27.8	150
68	Substrate specificity and the effect of calcium on TrypanosomaÂbrucei metacaspase 2. FEBS Journal, 2013, 280, 2608-2621.	4.7	22
69	Leishmania CPA, CPB and CPC Cysteine Proteases. , 2013, , 1923-1928.		0
70	In Vivo Imaging of Trypanosome-Brain Interactions and Development of a Rapid Screening Test for Drugs against CNS Stage Trypanosomiasis. PLoS Neglected Tropical Diseases, 2013, 7, e2384.	3.0	59
71	Highly Sensitive In Vivo Imaging of Trypanosoma brucei Expressing â€œRed-Shiftedâ€•Luciferase. PLoS Neglected Tropical Diseases, 2013, 7, e2571.	3.0	56
72	Trichomonad and Giardia Cysteine Peptidases. , 2013, , 1933-1938.		0

#	Article	IF	Citations
73	Distinct Roles in Autophagy and Importance in Infectivity of the Two ATG4 Cysteine Peptidases of Leishmania major. Journal of Biological Chemistry, 2013, 288, 3678-3690.	3.4	28
74	Biochemical and Immunological Characterization of Toxoplasma gondii Macrophage Migration Inhibitory Factor. Journal of Biological Chemistry, 2013, 288, 12733-12741.	3.4	51
75	Plasmodium falciparumATG8 implicated in both autophagy and apicoplast formation. Autophagy, 2013, 9, 1540-1552.	9.1	77
76	Trypanosoma brucei cathepsin-L increases arrhythmogenic sarcoplasmic reticulum-mediated calcium release in rat cardiomyocytes. Cardiovascular Research, 2013, 100, 325-335.	3.8	18
77	Identification and Functional Characterisation of CRK12:CYC9, a Novel Cyclin-Dependent Kinase (CDK)-Cyclin Complex in Trypanosoma brucei. PLoS ONE, 2013, 8, e67327.	2.5	22
78	Identification of Semicarbazones, Thiosemicarbazones and Triazine Nitriles as Inhibitors of Leishmania mexicana Cysteine Protease CPB. PLoS ONE, 2013, 8, e77460.	2.5	38
79	ATG5 Is Essential for ATG8-Dependent Autophagy and Mitochondrial Homeostasis in Leishmania major. PLoS Pathogens, 2012, 8, e1002695.	4.7	81
80	High-throughput screening with the Eimeria tenella CDC2-related kinase2/cyclin complex EtCRK2/EtCYC3a. Microbiology (United Kingdom), 2012, 158, 2262-2271.	1.8	12
81	Identification of Lead Compounds Targeting the Cathepsin B-Like Enzyme of Eimeria tenella. Antimicrobial Agents and Chemotherapy, 2012, 56, 1190-1201.	3.2	9
82	Crystal structure of a Trypanosoma brucei metacaspase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7469-7474.	7.1	81
83	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
84	Leishmania mexicana metacaspase is a negative regulator of amastigote proliferation in mammalian cells. Cell Death and Disease, 2012, 3, e385-e385.	6.3	42
85	Ecotinâ€like serine peptidase inhibitor ISP1 ofLeishmania majorplays a role in flagellar pocket dynamics and promastigote differentiation. Cellular Microbiology, 2012, 14, 1271-1286.	2.1	21
86	Cytokinesis in Bloodstream Stage Trypanosoma brucei Requires a Family of Katanins and Spastin. PLoS ONE, 2012, 7, e30367.	2.5	37
87	Functional Analysis of Leishmania Cyclopropane Fatty Acid Synthetase. PLoS ONE, 2012, 7, e51300.	2.5	25
88	Leishmania mexicana: expression; characterization and activity assessment of E. coli-expressed recombinant CRK3. European Review for Medical and Pharmacological Sciences, 2012, 16, 1338-45.	0.7	2
89	Trichomonas vaginalis Pathobiology. Advances in Parasitology, 2011, 77, 87-140.	3.2	63
90	Oligopeptidase B deficient mutants of Leishmania major. Molecular and Biochemical Parasitology, 2011, 175, 49-57.	1.1	37

#	Article	IF	Citations
91	Leishmania mexicana promastigotes inhibit macrophage IL-12 production via TLR-4 dependent COX-2, iNOS and arginase-1 expression. Molecular Immunology, 2011, 48, 1800-1808.	2.2	44
92	Trypanosoma brucei brucei: Endocytic recycling is important for mouse infectivity. Experimental Parasitology, 2011, 127, 777-783.	1.2	6
93	Identification of Inhibitors of the Leishmania cdc2â€Related Protein Kinase CRK3. ChemMedChem, 2011, 6, 2214-2224.	3.2	45
94	Morphological Events during the Cell Cycle of Leishmania major. Eukaryotic Cell, 2011, 10, 1429-1438.	3.4	83
95	Autophagy in protists. Autophagy, 2011, 7, 127-158.	9.1	148
96	Leishmania Inhibitor of Serine Peptidase 2 Prevents TLR4 Activation by Neutrophil Elastase Promoting Parasite Survival in Murine Macrophages. Journal of Immunology, 2011, 186, 411-422.	0.8	39
97	Trypanosoma brucei Metacaspase 4 Is a Pseudopeptidase and a Virulence Factor. Journal of Biological Chemistry, 2011, 286, 39914-39925.	3.4	61
98	Whole genome sequencing of multiple Leishmania donovani clinical isolates provides insights into population structure and mechanisms of drug resistance. Genome Research, 2011, 21, 2143-2156.	5.5	381
99	Chromosome and gene copy number variation allow major structural change between species and strains of Leishmania. Genome Research, 2011, 21, 2129-2142.	5.5	380
100	High Throughput Screens Yield Small Molecule Inhibitors of Leishmania CRK3:CYC6 Cyclin-Dependent Kinase. PLoS Neglected Tropical Diseases, 2011, 5, e1033.	3.0	33
101	Recombinant Leishmania mexicana CRK3:CYCA has protein kinase activity in the absence of phosphorylation on the T-loop residue Thr178. Molecular and Biochemical Parasitology, 2010, 171, 89-96.	1.1	16
102	Imaging of the host/parasite interplay in cutaneous leishmaniasis. Experimental Parasitology, 2010, 126, 310-317.	1.2	18
103	Inhibition of Eimeria tenella CDKâ€Related Kinaseâ€…2: From Target Identification to Lead Compounds. ChemMedChem, 2010, 5, 1259-1271.	3.2	18
104	Î±â€Ketoheterocycles as Inhibitors of Leishmania mexicana Cysteine Protease CPB. ChemMedChem, 2010, 5, 1734-1748.	3.2	28
105	Design and evaluation of Trypanosoma brucei metacaspase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2001-2006.	2.2	24
106	Comparative Study of the Ability ofLeishmania mexicanaPromastigotes and Amastigotes To Alter Macrophage Signaling and Functions. Infection and Immunity, 2010, 78, 2438-2445.	2.2	56
107	Crystal Structure of Leishmania major Oligopeptidase B Gives Insight into the Enzymatic Properties of a Trypanosomatid Virulence Factor. Journal of Biological Chemistry, 2010, 285, 39249-39259.	3.4	53
108	Cathepsin B-like and cell death in the unicellular human pathogen Leishmania. Cell Death and Disease, 2010, 1, e71-e71.	6.3	34

#	Article	IF	Citations
109	Molecular Cloning, Characterization and Overexpression of a Novel Cyclin from Leishmania mexicana. Pakistan Journal of Biological Sciences, 2010, 13, 775-784.	0.5	9
110	Characterization of unusual families of ATG8-like proteins and ATG12 in the protozoan parasiteLeishmania major. Autophagy, 2009, 5, 159-172.	9.1	89
111	Inhibitor of Cysteine Peptidase Does Not Influence the Development of <I>Leishmania mexicana</I> in <I>Lutzomyia longipalpis</I>. Journal of Medical Entomology, 2009, 46, 605-609.	1.8	4
112	Overexpression of the Natural Inhibitor of Cysteine Peptidases inLeishmania mexicanaLeads to Reduced Virulence and a Th1 Response. Infection and Immunity, 2009, 77, 2971-2978.	2.2	22
113	Searching for novel cell cycle regulators in Trypanosoma brucei with an RNA interference screen. BMC Research Notes, 2009, 2, 46.	1.4	16
114	Influence of parasite encoded inhibitors of serine peptidases in early infection of macrophages withLeishmania major. Cellular Microbiology, 2009, 11, 106-120.	2.1	47
115	Structures of Leishmania major orthologues of macrophage migration inhibitory factor. Biochemical and Biophysical Research Communications, 2009, 380, 442-448.	2.1	20
116	An essential role for the Leishmania major metacaspase in cell cycle progression. Cell Death and Differentiation, 2008, 15, 113-122.	11.2	99
117	The role of conserved residues of chagasin in the inhibition of cysteine peptidases. FEBS Letters, 2008, 582, 485-490.	2.8	19
118	Expression and substrate specificity of a recombinant cysteine proteinase B of Leishmania braziliensis. Molecular and Biochemical Parasitology, 2008, 161, 91-100.	1.1	9
119	The AP3 adaptor is involved in the transport of membrane proteins to acidocalcisomes of Leishmania. Journal of Cell Science, 2008, 121, 561-570.	2.0	54
120	Cytokinesis in trypanosomatids. Current Opinion in Microbiology, 2007, 10, 520-527.	5.1	59
121	Squamous cell carcinoma antigen 1 is an inhibitor of parasiteâ€derived cysteine proteases. FEBS Letters, 2007, 581, 4260-4264.	2.8	19
122	Metacaspase 2 of Trypanosoma brucei is a calciumâ€dependent cysteine peptidase active without processing. FEBS Letters, 2007, 581, 5635-5639.	2.8	80
123	Draft Genome Sequence of the Sexually Transmitted Pathogen Trichomonas vaginalis. Science, 2007, 315, 207-212.	12.6	731
124	Dipeptidyl Î±-fluorovinyl Michael acceptors: Synthesis and activity against cysteine proteases. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6563-6566.	2.2	29
125	Comparative genomic analysis of three Leishmania species that cause diverse human disease. Nature Genetics, 2007, 39, 839-847.	21.4	648
126	Trypanosoma brucei Poloâ€like kinase is essential for basal body duplication, kDNA segregation and cytokinesis. Molecular Microbiology, 2007, 65, 1229-1248.	2.5	100

#	Article	IF	Citations
127	Role of the Trypanosoma brucei natural cysteine peptidase inhibitor ICP in differentiation and virulence. Molecular Microbiology, 2007, 66, 991-1002.	2.5	30
128	Leishmania major metacaspase can replace yeast metacaspase in programmed cell death and has arginine-specific cysteine peptidase activity. International Journal for Parasitology, 2007, 37, 161-172.	3.1	112
129	Protein turnover and differentiation in Leishmania. International Journal for Parasitology, 2007, 37, 1063-1075.	3.1	128
130	Vaccination with a preparation based on recombinant cysteine peptidases and canine IL-12 does not protect dogs from infection with Leishmania infantum. Vaccine, 2006, 24, 2460-2468.	3.8	33
131	Studies on the CPA cysteine peptidase in the Leishmania infantum genome strain JPCM5. BMC Molecular Biology, 2006, 7, 42.	3.0	46
132	PFPI-like genes are expressed inLeishmania majorbut are pseudogenes in otherLeishmaniaspecies. FEMS Microbiology Letters, 2006, 260, 47-54.	1.8	10
133	Cysteine peptidases CPA and CPB are vital for autophagy and differentiation in Leishmania mexicana. Molecular Microbiology, 2006, 61, 655-674.	2.5	143
134	Chemical Shift Assignments of Leishmania mexicana ICP, a Novel Cysteine Peptidase Inhibitor. Journal of Biomolecular NMR, 2006, 36, 7-7.	2.8	0
135	Differentiation of Leishmania major is impaired by over-expression of pyroglutamyl peptidase I. Molecular and Biochemical Parasitology, 2006, 150, 318-329.	1.1	21
136	The SNARE protein family of Leishmania major. BMC Genomics, 2006, 7, 250.	2.8	34
137	Bloodstream form Trypanosoma brucei depend upon multiple metacaspases associated with RAB11-positive endosomes. Journal of Cell Science, 2006, 119, 1105-1117.	2.0	98
138	Cysteine Biosynthesis in Trichomonas vaginalis Involves Cysteine Synthase Utilizing O-Phosphoserine. Journal of Biological Chemistry, 2006, 281, 25062-25075.	3.4	59
139	Endosome Sorting and Autophagy Are Essential for Differentiation and Virulence of Leishmania major. Journal of Biological Chemistry, 2006, 281, 11384-11396.	3.4	191
140	The Structure of Leishmania mexicana ICP Provides Evidence for Convergent Evolution of Cysteine Peptidase Inhibitors. Journal of Biological Chemistry, 2006, 281, 5821-5828.	3.4	43
141	Protein kinases as drug targets in trypanosomes and Leishmania. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1754, 151-159.	2.3	196
142	Trypanosoma brucei MOB1 is required for accurate and efficient cytokinesis but not for exit from mitosis. Molecular Microbiology, 2005, 56, 104-116.	2.5	58
143	Specific negative charges in cysteine protease isoforms of Leishmania mexicana are highly influential on the substrate binding and hydrolysis. Molecular and Biochemical Parasitology, 2005, 144, 36-43.	1.1	13
144	Comparative analysis of the kinomes of three pathogenic trypanosomatids: Leishmania major, Trypanosoma brucei and Trypanosoma cruzi. BMC Genomics, 2005, 6, 127.	2.8	310

#	Article	IF	Citations
145	The Genome Sequence of Trypanosoma cruzi , Etiologic Agent of Chagas Disease. Science, 2005, 309, 409-415.	12.6	1,273
146	The Genome of the Kinetoplastid Parasite, Leishmania major. Science, 2005, 309, 436-442.	12.6	1,237
147	Inhibition of Lipopolysaccharide-Induced Macrophage IL-12 Production byLeishmania mexicanaAmastigotes: The Role of Cysteine Peptidases and the NF-Î¹B Signaling Pathway. Journal of Immunology, 2004, 173, 3297-3304.	0.8	164
148	Inhibitors of Leishmania mexicana CRK3 Cyclin-Dependent Kinase: Chemical Library Screen and Antileishmanial Activity. Antimicrobial Agents and Chemotherapy, 2004, 48, 3033-3042.	3.2	96
149	The Trypanosoma brucei Cyclin, CYC2, Is Required for Cell Cycle Progression through G1 Phase and for Maintenance of Procyclic Form Cell Morphology. Journal of Biological Chemistry, 2004, 279, 24757-24764.	3.4	57
150	Differences in substrate specificities between cysteine protease CPB isoforms of Leishmania mexicana are mediated by a few amino acid changes. FEBS Journal, 2004, 271, 3704-3714.	0.2	19
151	A potential role for ICP, a leishmanial inhibitor of cysteine peptidases, in the interaction between host and parasite. Molecular Microbiology, 2004, 54, 1224-1236.	2.5	52
152	Generation ofLeishmaniamutants lacking antibiotic resistance genes using a versatile hit-and-run targeting strategy. FEMS Microbiology Letters, 2004, 235, 89-94.	1.8	15
153	Combinatorial Library of Peptidotriazoles:Â Identification of [1,2,3]-Triazole Inhibitors against a RecombinantLeishmaniamexicanaCysteine Protease. ACS Combinatorial Science, 2004, 6, 312-324.	3.3	147
154	Cysteine peptidases as virulence factors of Leishmania. Current Opinion in Microbiology, 2004, 7, 375-381.	5.1	222
155	The Amitochondriate Eukaryote Trichomonas vaginalis Contains a Divergent Thioredoxin-linked Peroxiredoxin Antioxidant System. Journal of Biological Chemistry, 2004, 279, 5249-5256.	3.4	69
156	Generation of Leishmania mutants lacking antibiotic resistance genes using a versatile hit-and-run targeting strategy. FEMS Microbiology Letters, 2004, 235, 89-94.	1.8	8
157	Clan CD cysteine peptidases of parasitic protozoa. Trends in Parasitology, 2003, 19, 182-187.	3.3	131
158	Functional conservation of a natural cysteine peptidase inhibitor in protozoan and bacterial pathogens 1. FEBS Letters, 2003, 542, 12-16.	2.8	62
159	TheLeishmania mexicanaCysteine Protease, CPB2.8, Induces Potent Th2 Responses. Journal of Immunology, 2003, 170, 1746-1753.	0.8	77
160	The Crystal Structure of Leishmania major 3-Mercaptopyruvate Sulfurtransferase. Journal of Biological Chemistry, 2003, 278, 48219-48227.	3.4	42
161	Expression of Multiple CPB Genes Encoding Cysteine Proteases Is Required for Leishmania mexicana Virulence In Vivo. Infection and Immunity, 2003, 71, 3190-3195.	2.2	68
162	Essential Roles for GPI-anchored Proteins in African Trypanosomes Revealed Using Mutants Deficient in GPI8. Molecular Biology of the Cell, 2003, 14, 1182-1194.	2.1	108

#	Article	IF	Citations
163	Cysteine Protease B of Leishmania mexicana Inhibits Host Th1 Responses and Protective Immunity. Journal of Immunology, 2003, 171, 3711-3717.	0.8	103
164	3-Mercaptopyruvate Sulfurtransferase of LeishmaniaContains an Unusual C-terminal Extension and Is Involved in Thioredoxin and Antioxidant Metabolism. Journal of Biological Chemistry, 2003, 278, 1480-1486.	3.4	72
165	Stage-specific Differences in Cell Cycle Control in Trypanosoma brucei Revealed by RNA Interference of a Mitotic Cyclin. Journal of Biological Chemistry, 2003, 278, 22877-22886.	3.4	145
166	The cell cycle of parasitic protozoa: potential for chemotherapeutic exploitation. Progress in Cell Cycle Research, 2003, 5, 91-101.	0.9	52
167	Intracellular Targets of Paullones. Journal of Biological Chemistry, 2002, 277, 25493-25501.	3.4	132
168	Processing and Trafficking of Leishmania mexicanaGP63. Journal of Biological Chemistry, 2002, 277, 27968-27974.	3.4	36
169	Novel peptide inhibitors of Leishmania gp63 based on the cleavage site of MARCKS (myristoylated) Tj ETQq1 1 0.784314 rgBT /Overlock	3.7	36
170	Solid-Phase Library Synthesis, Screening, and Selection of Tight-Binding Reduced Peptide Bond Inhibitors of a Recombinant Leishmania mexicana Cysteine Protease B. Journal of Medicinal Chemistry, 2002, 45, 1971-1982.	6.4	46
171	Protein kinases as drug targets in parasitic protozoa. Trends in Parasitology, 2002, 18, 366-371.	3.3	75
172	Cell death in Leishmania induced by stress and differentiation: programmed cell death or necrosis?. Cell Death and Differentiation, 2002, 9, 1126-1139.	11.2	141
173	Characterisation of theQMgene ofTrypanosoma brucei. FEMS Microbiology Letters, 2002, 211, 123-128.	1.8	28
174	Combinatorial Library of Peptide Isosters Based on Dielsâ˜'Alder Reactions:Â Identification of Novel Inhibitors against a Recombinant Cysteine Protease fromLeishmania mexicana. ACS Combinatorial Science, 2001, 3, 441-452.	3.3	42
175	S1subsite specificity of a recombinant cysteine proteinase, CPB, ofLeishmania mexicanacompared with cruzain, human cathepsin L and papain using substrates containing non-natural basic amino acids. FEBS Journal, 2001, 268, 1206-1212.	0.2	19
176	The CRK3 protein kinase is essential for cell cycle progression of Leishmania mexicana. Molecular and Biochemical Parasitology, 2001, 113, 189-198.	1.1	83
177	Identification of peptides inhibitory to recombinant cysteine proteinase, CPB, of Leishmania mexicana. Molecular and Biochemical Parasitology, 2001, 114, 81-88.	1.1	22
178	Substrate specificity of recombinant cysteine proteinase, CPB, of Leishmania mexicana. Molecular and Biochemical Parasitology, 2001, 116, 1-9.	1.1	20
179	Analysis of the S2 subsite specificities of the recombinant cysteine proteinases CPB of Leishmania mexicana, and cruzain of Trypanosoma cruzi, using fluorescent substrates containing non-natural basic amino acids. Molecular and Biochemical Parasitology, 2001, 117, 137-143.	1.1	26
180	Aspartic proteases of Plasmodium falciparum and other parasitic protozoa as drug targets. Trends in Parasitology, 2001, 17, 532-537.	3.3	291

#	Article	IF	Citations
181	Trifluoromethionine, a Prodrug Designed against Methionine Î³-Lyase-Containing Pathogens, Has Efficacy In Vitro and In Vivo against Trichomonas vaginalis. Antimicrobial Agents and Chemotherapy, 2001, 45, 1743-1745.	3.2	65
182	The Stage-regulated Expression of Leishmania mexicanaCPB Cysteine Proteases Is Mediated by an Intercistronic Sequence Element. Journal of Biological Chemistry, 2001, 276, 47061-47069.	3.4	54
183	Expression and characterization of a recombinant cysteine proteinase of Leishmania mexicana. Biochemical Journal, 2000, 347, 383.	3.7	43
184	Soluble GPI8 restores glycosylphosphatidylinositol anchoring in a trypanosome cell-free system depleted of lumenal endoplasmic reticulum proteins. Biochemical Journal, 2000, 351, 717-722.	3.7	31
185	Analysis of Trypanosoma brucei cyclins and cyclin-dependent kinases. Biochemical Society Transactions, 2000, 28, A480-A480.	3.4	0
186	Analysis of Trypanosoma brucei cyclin-dependent kinases. Biochemical Society Transactions, 2000, 28, A482-A482.	3.4	0
187	Expression and characterization of a recombinant cysteine proteinase of Leishmania mexicana. Biochemical Journal, 2000, 347, 383-388.	3.7	66
188	The Substrate Specificity of a Recombinant Cysteine Protease fromLeishmania mexicana: Application of a Combinatorial Peptide Library Approach. ChemBioChem, 2000, 1, 115-122.	2.6	41
189	Stable transformation of trypanosomatids through targeted chromosomal integration of the selectable marker gene encoding blasticidin S deaminase. FEMS Microbiology Letters, 2000, 186, 287-291.	1.8	19
190	Targeted integration into a rRNA locus results in uniform and high level expression of transgenes in Leishmania amastigotes. Molecular and Biochemical Parasitology, 2000, 107, 251-261.	1.1	125
191	Trypanosoma brucei CYC1 does not have characteristics of a mitotic cyclin. Molecular and Biochemical Parasitology, 2000, 111, 229-234.	1.1	4
192	The CYC3 gene of Trypanosoma brucei encodes a cyclin with a short half-life. Molecular and Biochemical Parasitology, 2000, 111, 275-282.	1.1	22
193	Leishmania mexicana Mutants Lacking Glycosylphosphatidylinositol (GPI):Protein Transamidase Provide Insights into the Biosynthesis and Functions of GPI-anchored Proteins. Molecular Biology of the Cell, 2000, 11, 1183-1195.	2.1	78
194	Isolation of Trypanosoma brucei CYC2 andCYC3 Cyclin Genes by Rescue of a Yeast G1Cyclin Mutant. Journal of Biological Chemistry, 2000, 275, 8315-8323.	3.4	47
195	Analysis of the roles of cysteine proteinases of Leishmania mexicana in the hostâ€“parasite interaction. Parasitology, 2000, 121, 367-377.	1.5	60
196	The substrate specificity of a recombinant cysteine protease from Leishmania mexicana: application of a combinatorial peptide library approach. ChemBioChem, 2000, 1, 115-22.	2.6	9
197	Processing and trafficking of cysteine proteases in Leishmania mexicana. Journal of Cell Science, 2000, 113 (Pt 22), 4035-41.	2.0	19
198	Protease Trafficking in Two Primitive Eukaryotes Is Mediated by a Prodomain Protein Motif. Journal of Biological Chemistry, 1999, 274, 16249-16256.	3.4	76

#	Article	IF	Citations
199	Recent advances in identifying and validating drug targets in trypanosomes and leishmanias. Trends in Microbiology, 1999, 7, 82-88.	7.7	109
200	Leishmania Cysteine Proteinases: Virulence Factors in Quest of a Functionâ€"Reply. Parasitology Today, 1998, 14, 251-252.	3.0	1
201	Evidence that trypanothione reductase is an essential enzyme inLeishmaniaby targeted replacement of thetryAgene locus. Molecular Microbiology, 1998, 29, 653-660.	2.5	154
202	Roles of cysteine proteinases of trypanosomes and Leishmania in host-parasite interactions. Current Opinion in Microbiology, 1998, 1, 455-460.	5.1	153
203	The Primitive Protozoon Trichomonas vaginalisContains Two Methionine Î³-Lyase Genes That Encode Members of the Î³-Family of Pyridoxal 5â€²-Phosphate-dependent Enzymes. Journal of Biological Chemistry, 1998, 273, 5549-5556.	3.4	62
204	The crk3 Gene of Leishmania mexicanaEncodes a Stage-regulated cdc2-related Histone H1 Kinase That Associates with p12. Journal of Biological Chemistry, 1998, 273, 10153-10159.	3.4	47
205	Leishmania mexicana cysteine proteinase-deficient mutants have attenuated virulence for mice and potentiate a Th1 response. Journal of Immunology, 1998, 161, 6794-801.	0.8	153
206	The Multiple cpb Cysteine Proteinase Genes ofLeishmania mexicana Encode Isoenzymes That Differ in Their Stage Regulation and Substrate Preferences. Journal of Biological Chemistry, 1997, 272, 14285-14293.	3.4	104
207	Parasite proteinases and amino acid metabolism: possibilities for chemotherapeutic exploitation. Parasitology, 1997, 114, 61-80.	1.5	95
208	Cathepsin B-like cysteine proteinase-deficient mutants of Leishmania mexicana. Molecular and Biochemical Parasitology, 1997, 88, 53-61.	1.1	63
209	Leishmania mexicana p12cks1, a homologue of fission yeast p13suc1, associates with a stage-regulated histone H1 kinase. Biochemical Journal, 1996, 316, 833-839.	3.7	31
210	CHARACTERISATION OF CDC2-RELATED KINASES FROM LEISHMANIA MEXICANA. Biochemical Society Transactions, 1996, 24, 513S-513S.	3.4	0
211	Evidence from disruption of the lmcpb gene array of Leishmania mexicana that cysteine proteinases are virulence factors.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 6008-6013.	7.1	206
212	Parasite cysteine proteinases. Journal of Computer - Aided Molecular Design, 1996, 6, 99-118.	1.0	32
213	Gene disruptions indicate an essential function for the LmmCRK1 cdc2-related kinase of Leishmania mexicana. Molecular Microbiology, 1996, 22, 573-582.	2.5	72
214	Antigen presentation byLeishmania mexicana-infected macrophages: Activation of helper T cells specific for amastigote cysteine proteinases requires intracellular killing of the parasites. European Journal of Immunology, 1995, 25, 1094-1100.	2.9	50
215	Isolation of lmcpc, a gene encoding a Leishmania mexicana cathepsin-B-like cysteine proteinase. Molecular and Biochemical Parasitology, 1995, 73, 271-274.	1.1	37
216	A family of trypanosome cdc2-related protein kinases. Gene, 1995, 162, 147-152.	2.2	69

#	Article	IF	Citations
217	Null mutants for the lmcpa cysteine proteinase gene in Leishmania mexicana. Molecular and Biochemical Parasitology, 1994, 63, 213-220.	1.1	59
218	cdc2-related protein kinases and cell cycle control in trypanosomatids. Parasitology Today, 1994, 10, 253-257.	3.0	47
219	A novel CDC2-related protein kinase from Leishmania mexicana, LmmCRK1, is post-translationally regulated during the life cycle. Journal of Biological Chemistry, 1993, 268, 21044-52.	3.4	46
220	Characterization of a multi-copy gene for a major stage-specific cysteine proteinase ofLeishmania mexicana. FEBS Letters, 1992, 311, 124-127.	2.8	103
221	A developmentally regulated cysteine proteinase gene of Leishmania mexicana. Molecular Microbiology, 1992, 6, 1925-1932.	2.5	69
222	Characterisation of a gene for a cysteine protease from Theileria annulata. Molecular and Biochemical Parasitology, 1992, 54, 105-107.	1.1	11
223	Conservation of cation-transporting ATPase genes in Leishmania. Molecular and Biochemical Parasitology, 1991, 45, 29-38.	1.1	18
224	Sequence of a tRNA gene cluster inTrypanosoma brucei. Nucleic Acids Research, 1991, 19, 3995-3995.	14.5	17
225	tRNAs of Trypanosoma brucei. Unusual gene organization and mitochondrial importation. Journal of Biological Chemistry, 1991, 266, 18313-7.	3.4	62
226	Bloodstream and metacyclic variant surface glycoprotein gene expression sites of Trypanosoma brucei gambiense. Molecular and Biochemical Parasitology, 1990, 41, 101-114.	1.1	17
227	Cysteine proteinases of parasitic protozoa. Parasitology Today, 1990, 6, 270-275.	3.0	159
228	A transcriptional analysis of the Trypanosoma brucei hsp83 gene cluster. Molecular and Biochemical Parasitology, 1989, 37, 115-127.	1.1	52
229	Cysteine or serine proteinase?. Nature, 1989, 342, 132-132.	27.8	25
230	A cysteine proteinase cDNA from Trypanosoma brucei predicts an enzyme with an unusual C-terminal extension. FEBS Letters, 1989, 258, 211-215.	2.8	129
231	Purification of particulate malate dehydrogenase and phosphoenolpyruvate carboxykinase from Leishmania mexicana mexicana. BBA - Proteins and Proteomics, 1985, 827, 310-319.	2.1	22
232	Subcellular localisation of purinemetabolising enzymes in Leishmania mexicana mexicana. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 81, 1037-1040.	0.2	13
233	Leishmania mexicana: Enzyme activities of amastigotes and promastigotes and their inhibition by antimonials and arsenicals. Experimental Parasitology, 1985, 59, 151-160.	1.2	99
234	Leishmania mexicana: Subcellular distribution of enzymes in amastigotes and promastigotes. Experimental Parasitology, 1985, 59, 265-274.	1.2	70