Joachim Clos

List of Publications by Year
in descending order

74 papers	3,519 citations	236925 25 h-index	138484 58 g-index
76 all docs	76 docs citations	76 times ranked	3111 citing authors

#	Article	IF	Citations
1	An exosome-based secretion pathway is responsible for protein export from<i>Leishmania</i>and communication with macrophages. Journal of Cell Science, 2010, 123, 842-852.	2.0	410
2	Stress-induced oligomerization and chromosomal relocalization of heat-shock factor. Nature, 1991, 353, 822-827.	27.8	387
3	Molecular cloning and expression of a hexameric Drosophila heat shock factor subject to negative regulation. Cell, 1990, 63, 1085-1097.	28.9	372
4	Leishmania Exosomes Modulate Innate and Adaptive Immune Responses through Effects on Monocytes and Dendritic Cells. Journal of Immunology, 2010, 185, 5011-5022.	0.8	273
5	Heat Shock Protein 90 Homeostasis Controls Stage Differentiation in <i>Leishmania donovani</i>. Molecular Biology of the Cell, 2001, 12, 3307-3316.	2.1	188
6	Developmentally induced changes of the proteome in the protozoan parasiteLeishmania donovani. Proteomics, 2003, 3, 1811-1829.	2.2	140
7	Phosphoproteome dynamics reveal heat-shock protein complexes specific to the <i>Leishmania donovani</i> infectious stage. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8381-8386.	7.1	129
8	Comparison of the A2 Gene Locus in Leishmania donovani and Leishmania major and Its Control over Cutaneous Infection. Journal of Biological Chemistry, 2003, 278, 35508-35515.	3.4	99
9	Induction temperature of human heat shock factor is reprogrammed in a Drosophila cell environment. Nature, 1993, 364, 252-255.	27.8	93
10	Leishmania donovani Heat Shock Protein 100. Journal of Biological Chemistry, 1998, 273, 6488-6494.	3.4	82
11	Inhibition of HSP90 in Trypanosoma cruzi Induces a Stress Response but No Stage Differentiation. Eukaryotic Cell, 2002, 1, 936-943.	3.4	75
12	Secreted virulence factors and immune evasion in visceral leishmaniasis. Journal of Leukocyte Biology, 2012, 91, 887-899.	3.3	72
13	A small heat shock protein is essential for thermotolerance and intracellular survival of <i>Leishmania donovani</i>. Journal of Cell Science, 2014, 127, 4762-73.	2.0	62
14	A novel role for 100 kD heat shock proteins in the parasite Leishmania donovani. Cell Stress and Chaperones, 1999, 4, 191.	2.9	61
15	A member of the clpb family of stress proteins is expressed during heat shock in Leishmania spp. Molecular and Biochemical Parasitology, 1995, 70, 107-118.	1.1	58
16	Identification of a Leishmania infantum gene mediating resistance to â€˜ and SbIII. International Journal for Parasitology, 2008, 38, 1411-1423.	3.1	57
17	Pharmacological Validation of <i>N</i>-Myristoyltransferase as a Drug Target in <i>Leishmania donovani</i>. ACS Infectious Diseases, 2019, 5, 111-122.	3.8	55
18	The<scp>Hsp</scp>90â€“<scp>Sti</scp>1 interaction is critical for<i><scp>L</scp>eishmania donovani</i>proliferation in both life cycle stages. Cellular Microbiology, 2013, 15, 585-600.	2.1	49

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19	Expression and subcellular localization of cpn60 protein family members in Leishmania donovani. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1491, 65-74.	2.4	44
20	Profiling of Flavonol Derivatives for the Development of Antitrypanosomatidic Drugs. Journal of Medicinal Chemistry, 2016, 59, 7598-7616.	6.4	41
21	Characterization of the Protein Tyrosine Phosphatase LmPRL-1 Secreted by Leishmania major via the Exosome Pathway. Infection and Immunity, 2017, 85, .	2.2	34
22	The genetics of Leishmania virulence. Medical Microbiology and Immunology, 2015, 204, 619-634.	4.8	32
23	The heat shock protein 90 of Leishmania donovani. Medical Microbiology and Immunology, 2001, 190, 27-31.	4.8	31
24	Co-circulation of a novel phlebovirus and Massilia virus in sandflies, Portugal. Virology Journal, 2015, 12, 174.	3.4	30
25	Leishmania donovani 90 kD Heat Shock Protein â€“ Impact of Phosphosites on Parasite Fitness, Infectivity and Casein Kinase Affinity. Scientific Reports, 2019, 9, 5074.	3.3	29
26	The co-chaperone SGT of Leishmania donovani is essential for the parasite's viability. Cell Stress and Chaperones, 2010, 15, 443-455.	2.9	28
27	MAPK1 of Leishmania donovani interacts and phosphorylates HSP70 and HSP90 subunits of foldosome complex. Scientific Reports, 2017, 7, 10202.	3.3	28
28	LmxMPK4, an essential mitogen-activated protein kinase of Leishmania mexicana is phosphorylated and activated by the STE7-like protein kinase LmxMKK5. International Journal for Parasitology, 2010, 40, 969-978.	3.1	26
29	A novel marker, ARM58, confers antimony resistance to Leishmania spp.. International Journal for Parasitology: Drugs and Drug Resistance, 2014, 4, 37-47.	3.4	23
30	A Telomeric Cluster of Antimony Resistance Genes on Chromosome 34 of Leishmania infantum. Antimicrobial Agents and Chemotherapy, 2016, 60, 5262-5275.	3.2	23
31	Stage-specific expression of the mitochondrial co-chaperonin of Leishmania donovani, CPN10. Parasites and Vectors, 2005, 4, 3.	1.9	21
32	One-step generation of double-allele gene replacement mutants in Leishmania donovani. International Journal for Parasitology, 2009, 39, 541-546.	3.1	21
33	The <scp><i>L</i></scp><i>eishmania donovani</i> chaperone cyclophilin 40 is essential for intracellular infection independent of its stageâ€specific phosphorylation status. Molecular Microbiology, 2014, 93, 80-97.	2.5	21
34	Methoxylated 2'-hydroxychalcones as antiparasitic hit compounds. European Journal of Medicinal Chemistry, 2017, 126, 1129-1135.	5.5	20
35	Ribosome Profiling Reveals HSP90 Inhibitor Effects on Stage-Specific Protein Synthesis in <i>Leishmania donovani</i>. MSystems, 2018, 3, .	3.8	20
36	The Genomic Organization of theHSP83Gene Locus Is Conserved in ThreeLeishmaniaSpecies. Experimental Parasitology, 1996, 82, 225-228.	1.2	18

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37	Discovery of a benzothiophene-flavonol halting miltefosine and antimonial drug resistance in Leishmania parasites through the application of medicinal chemistry, screening and genomics. European Journal of Medicinal Chemistry, 2019, 183, 111676.	5.5	18
38	A Leishmania donovani gene that confers accelerated recovery from stationary phase growth arrest. International Journal for Parasitology, 2004, 34, 803-811.	3.1	17
39	Overexpression of a single <i>Leishmania major</i> gene enhances parasite infectivity <i>in vivo</i> and <i>in vitro</i>. Molecular Microbiology, 2010, 76, 1175-1190.	2.5	17
40	Complement C3 is required for the progression of cutaneous lesions and neutrophil attraction in Leishmania major infection. Medical Microbiology and Immunology, 2005, 194, 143-149.	4.8	16
41	Functional Cloning as a Means to Identify Leishmania Genes Involved in Drug Resistance. Mini-Reviews in Medicinal Chemistry, 2006, 6, 123-129.	2.4	16
42	Spontaneous Recovery of Pathogenicity by Leishmania major hsp100 â˘’ / â˘’ Alters the Immune Response in Mice. Infection and Immunity, 2006, 74, 6027-6036.	2.2	15
43	Leishmania donovani P23 protects parasites against HSP90 inhibitor-mediated growth arrest. Cell Stress and Chaperones, 2015, 20, 673-685.	2.9	15
44	A versatile qPCR assay to quantify trypanosomatidic infections of host cells and tissues. Medical Microbiology and Immunology, 2016, 205, 449-458.	4.8	15
45	Leishmania donovani chaperonin 10 regulates parasite internalization and intracellular survival in human macrophages. Medical Microbiology and Immunology, 2017, 206, 235-257.	4.8	15
46	Hsp90 inhibitors radicicol and geldanamycin have opposing effects on Leishmania Aha1-dependent proliferation. Cell Stress and Chaperones, 2017, 22, 729-742.	2.9	15
47	Leishmania: Responding to environmental signals and challenges without regulated transcription. Computational and Structural Biotechnology Journal, 2020, 18, 4016-4023.	4.1	14
48	Heat shock protein 100 and the amastigote stage-specific A2 proteins of Leishmania donovani. Medical Microbiology and Immunology, 2001, 190, 47-50.	4.8	13
49	The loss of virulence of histone <scp>H</scp>1 overexpressing <scp><i>L</i></scp><i>eishmania donovani</i> parasites is directly associated with a reduction of <scp>HSP</scp>83 rate of translation. Molecular Microbiology, 2013, 88, 1015-1031.	2.5	13
50	Geographical sequence variation in the Leishmania major virulence factor P46. Infection, Genetics and Evolution, 2015, 30, 195-205.	2.3	13
51	Reduced Antimony Accumulation in <i>ARM58</i> -Overexpressing Leishmania infantum. Antimicrobial Agents and Chemotherapy, 2014, 58, 1565-1574.	3.2	12
52	Phenotypic Characterization of a <i>Leishmania donovani</i> Cyclophilin 40 Null Mutant. Journal of Eukaryotic Microbiology, 2016, 63, 823-833.	1.7	12
53	Chemical Stress does not Induce Heat Shock Protein Synthesis in Leishmania donovani. Protist, 1998, 149, 167-172.	1.5	11
54	Cross-species homologous recombination in Leishmania donovani reveals the sites of integration. Molecular and Biochemical Parasitology, 2000, 107, 123-128.	1.1	10

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55	Use of genetic complementation to identify gene(s) which specify species-specific organ tropism of Leishmania. Medical Microbiology and Immunology, 2001, 190, 43-46.	4.8	10
56	Leishmania donovani HslV does not interact stably with HslU proteins. International Journal for Parasitology, 2012, 42, 329-339.	3.1	10
57	Application of CRISPR/Cas9-Based Reverse Genetics in Leishmania braziliensis: Conserved Roles for HSP100 and HSP23. Genes, 2020, 11, 1159.	2.4	9
58	Casein kinase 1.2 over expression restores stress resistance to Leishmania donovani HSP23 null mutants. Scientific Reports, 2020, 10, 15969.	3.3	8
59	Synthetic analogs of an Entamoeba histolytica glycolipid designed to combat intracellular Leishmania infection. Scientific Reports, 2017, 7, 9472.	3.3	7
60	Repurposing Carvedilol as a Novel Inhibitor of the Trypanosoma cruzi Autophagy Flux That Affects Parasite Replication and Survival. Frontiers in Cellular and Infection Microbiology, 2021, 11, 657257.	3.9	7
61	Life Cycle Stage-Specific Accessibility of Leishmania donovani Chromatin at Transcription Start Regions. MSystems, 2021, 6, e0062821.	3.8	6
62	Heat Shock Proteins in Protozoan Parasites â€“ Leishmania spp.. Heat Shock Proteins, 2009, , 135-151.	0.2	5
63	Leishmania infantum EndoG Is an Endo/Exo-Nuclease Essential for Parasite Survival. PLoS ONE, 2014, 9, e89526.	2.5	5
64	Joining forces: first application of a rapamycinâ€induced dimerizable Cre system for conditional null mutant analysis in <i>Leishmania</i>. Molecular Microbiology, 2016, 100, 923-927.	2.5	5
65	Cosmid Library Construction and Functional Cloning. Methods in Molecular Biology, 2019, 1971, 123-140.	0.9	5
66	High Content Analysis of Macrophage-Targeting EhPIb-Compounds against Cutaneous and Visceral Leishmania Species. Microorganisms, 2021, 9, 422.	3.6	5
67	Uniform Distribution of Transcription Complexes Over the Entire Leishmania donovani clpB (hsp100) Gene Locus. Protist, 1999, 150, 369-373.	1.5	4
68	Antileishmanial Effects of Synthetic <i>Eh</i> PIb Analogs Derived from the Entamoeba histolytica Lipopeptidephosphoglycan. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	4
69	Gene Replacement by Homologous Recombination. Methods in Molecular Biology, 2019, 1971, 169-188.	0.9	3
70	The Leishmania donovani SENP Protease Is Required for SUMO Processing but Not for Viability. Genes, 2020, 11, 1198.	2.4	3
71	Design, Synthesis and Antiparasitic Evaluation of Click Phospholipids. Molecules, 2021, 26, 4204.	3.8	3
72	Heat Shock Proteins of Leishmania: Chaperones in the Driver's Seat. , 2015, , 17-36.		3

#	Article	IF	Citations
73	Heat Shock Proteins in Leishmania Parasites. Heat Shock Proteins, 2020, , 469.	0.2	2
74	Leishmania Heat Shock Proteins as Effectors of Immune Evasion and Virulence. Current Immunology Reviews, 2017, 13, .	1.2	1