Albert Descoteaux

List of Publications by Year
in descending order

84 papers	6,868 citations	87888 38 h-index	62596 80 g-index
94 all docs	94 docs citations	94 times ranked	8537 citing authors

#	Article	IF	Citations
1	Macrophage Cytokines: Involvement in Immunity and Infectious Diseases. Frontiers in Immunology, 2014, 5, 491.	4.8	1,774
2	The Lipophosphoglycan of Leishmania Parasites. Annual Review of Microbiology, 1992, 46, 65-92.	7.3	471
3	Malarial Hemozoin Activates the NLRP3 Inflammasome through Lyn and Syk Kinases. PLoS Pathogens, 2009, 5, e1000559.	4.7	281
4	Inhibition of Phagolysosomal Biogenesis by the Leishmania Lipophosphoglycan. Journal of Experimental Medicine, 1997, 185, 2061-2068.	8.5	263
5	Glycoconjugates in Leishmania infectivity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1455, 341-352.	3.8	190
6	Leishmania donovani Promastigotes Evade the Antimicrobial Activity of Neutrophil Extracellular Traps. Journal of Immunology, 2010, 185, 4319-4327.	0.8	186
7	Protein Kinase C-Î¶ Regulates Transcription of the Matrix Metalloproteinase-9 Gene Induced by IL-1 and TNF-Î± in Glioma Cells via NF-ÎºB. Journal of Biological Chemistry, 2002, 277, 35150-35155.	3.4	178
8	RNA interference reveals a role for TLR2 and TLR3 in the recognition ofLeishmania donovani promastigotes by interferonâ€“Î³-primed macrophages. European Journal of Immunology, 2006, 36, 411-420.	2.9	171
9	A specialized pathway affecting virulence glycoconjugates of Leishmania. Science, 1995, 269, 1869-1872.	12.6	158
10	Impaired recruitment of the small GTPase rab7 correlates with the inhibition of phagosome maturation by Leishmania donovani promastigotes. Cellular Microbiology, 1999, 1, 19-32.	2.1	154
11	Leishmania and the macrophage: a multifaceted interaction. Future Microbiology, 2015, 10, 111-129.	2.0	152
12	Leishmania donovani lipophosphoglycan blocks NADPH oxidase assembly at the phagosome membrane. Cellular Microbiology, 2006, 8, 1922-1931.	2.1	141
13	Leishmania donovani promastigotes evade the activation of mitogen-activated protein kinases p38, c-Jun N-terminal kinase, and extracellular signal-regulated kinase-1/2 during infection of naive macrophages. European Journal of Immunology, 2000, 30, 2235-2244.	2.9	135
14	Isolation of virulence genes directing surface glycosyl-phosphatidylinositol synthesis by functional complementation of Leishmania.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 8609-8613.	7.1	130
15	Leishmania Evades Host Immunity by Inhibiting Antigen Cross-Presentation through Direct Cleavage of the SNARE VAMP8. Cell Host and Microbe, 2013, 14, 15-25.	11.0	129
16	Leishmania promastigotes: building a safe niche within macrophages. Frontiers in Cellular and Infection Microbiology, 2012, 2, 121.	3.9	123
17	The Leishmania donovani Lipophosphoglycan Excludes the Vesicular Proton-ATPase from Phagosomes by Impairing the Recruitment of Synaptotagmin V. PLoS Pathogens, 2009, 5, e1000628.	4.7	117
18	Leishmania promastigotes require lipophosphoglycan to actively modulate the fusion properties of phagosomes at an early step of phagocytosis. Cellular Microbiology, 2000, 2, 115-126.	2.1	107

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19	Transcriptomic Signature of Leishmania Infected Mice Macrophages: A Metabolic Point of View. PLoS Neglected Tropical Diseases, 2012, 6, e1763.	3.0	103
20	Cyclooxygenase-2 Expression in Macrophages: Modulation by Protein Kinase C-Î±. Journal of Immunology, 2000, 165, 3985-3991.	0.8	102
21	Protein Kinase C-Î± Modulates Lipopolysaccharide-induced Functions in a Murine Macrophage Cell Line. Journal of Biological Chemistry, 1998, 273, 32787-32792.	3.4	98
22	Leishmania survival in the macrophage: where the ends justify the means. Current Opinion in Microbiology, 2015, 26, 32-40.	5.1	89
23	IFN-Î³-Induced MHC Class II Expression: Transactivation of Class II Transactivator Promoter IV by IFN Regulatory Factor-1 is Regulated by Protein Kinase C-Î±. Journal of Immunology, 2003, 171, 4187-4194.	0.8	83
24	Phagocytosis of Leishmania donovani amastigotes is Rac1 dependent and occurs in the absence of NADPH oxidase activation. European Journal of Immunology, 2006, 36, 2735-2744.	2.9	74
25	LeishmaniaLPG3 encodes a GRP94 homolog required for phosphoglycan synthesis implicated in parasite virulence but not viability. EMBO Journal, 2002, 21, 4458-4469.	7.8	72
26	Innate Immune B Cell Activation by Leishmania donovani Exacerbates Disease and Mediates Hypergammaglobulinemia. Cell Reports, 2016, 15, 2427-2437.	6.4	69
27	Lipid Droplet Formation, Their Localization and Dynamics during Leishmania major Macrophage Infection. PLoS ONE, 2016, 11, e0148640.	2.5	62
28	Modulation of phagolysosome biogenesis by the lipophosphoglycan of Leishmania. Clinical Immunology, 2005, 114, 256-265.	3.2	61
29	Leishmania donovaniAmastigotes Impair Gamma Interferon-Induced STAT1Î± Nuclear Translocation by Blocking the Interaction between STAT1Î± and Importin-Î±5. Infection and Immunity, 2010, 78, 3736-3743.	2.2	57
30	Leishmania major Promastigotes Evade LC3-Associated Phagocytosis through the Action of GP63. PLoS Pathogens, 2016, 12, e1005690.	4.7	56
31	Functional aspects of the Leishmania donovani lipophosphoglycan during macrophage infection. Microbes and Infection, 2002, 4, 975-981.	1.9	55
32	Protein Kinase C-Î± Participates in FcÎ³R-Mediated Phagocytosis in Macrophages. Biochemical and Biophysical Research Communications, 2000, 276, 472-476.	2.1	52
33	Leishmania donovani lipophosphoglycan inhibits phagosomal maturation via action on membrane rafts. Microbes and Infection, 2009, 11, 215-222.	1.9	49
34	Leishmania donovani promastigotes induce periphagosomal F-actin accumulation through retention of the GTPase Cdc42. Cellular Microbiology, 2005, 7, 1647-1658.	2.1	48
35	Synaptotagmin XI Regulates Phagocytosis and Cytokine Secretion in Macrophages. Journal of Immunology, 2013, 190, 1737-1745.	0.8	47
36	Leishmania Promastigotes Induce Cytokine Secretion in Macrophages through the Degradation of Synaptotagmin XI. Journal of Immunology, 2014, 193, 2363-2372.	0.8	44

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37	Regulation of cell division in Escherichia coli K-12: probable interactions among proteins FtsQ, FtsA, and FtsZ. Journal of Bacteriology, 1987, 169, 1938-1942.	2.2	42
38	Cysteine Peptidase B Regulates Leishmania mexicana Virulence through the Modulation of GP63 Expression. PLoS Pathogens, 2016, 12, e1005658.	4.7	41
39	The Exocytosis Regulator Synaptotagmin V Controls Phagocytosis in Macrophages. Journal of Immunology, 2008, 181, 5289-5295.	0.8	40
40	Proteomic analysis reveals a role for protein kinase C-Î± in phagosome maturation. Biochemical and Biophysical Research Communications, 2004, 319, 810-816.	2.1	38
41	The host cell secretory pathway mediates the export of Leishmania virulence factors out of the parasitophorous vacuole. PLoS Pathogens, 2019, 15, e1007982.	4.7	36
42	Leishmania, the phagosome, and host responses: The journey of a parasite. Cellular Immunology, 2016, 309, 1-6.	3.0	32
43	Leishmania donovani Induces Autophagy in Human Bloodâ€“Derived Neutrophils. Journal of Immunology, 2019, 202, 1163-1175.	0.8	32
44	Leishmania Invasion and Phagosome Biogenesis. Sub-Cellular Biochemistry, 2008, 47, 174-181.	2.4	31
45	Leishmania infantum lipophosphoglycan induced-Prostaglandin E2 production in association with PPAR-Î³ expression via activation of Toll like receptors-1 and 2. Scientific Reports, 2017, 7, 14321.	3.3	31
46	Exploitation of the Host Cell Membrane Fusion Machinery by Leishmania Is Part of the Infection Process. PLoS Pathogens, 2016, 12, e1005962.	4.7	30
47	Probing druggability and biological function of essential proteins in <scp>L</scp>eishmania combining facilitated null mutant and plasmid shuffle analyses. Molecular Microbiology, 2014, 93, 146-166.	2.5	29
48	Survival strategies of Leishmania donovani in mammalian host macrophages. Research in Immunology, 1998, 149, 689-692.	0.9	27
49	Immunomodulatory Properties of Leishmania Extracellular Vesicles During Host-Parasite Interaction: Differential Activation of TLRs and NF-ÎºB Translocation by Dermotropic and Viscerotropic Species. Frontiers in Cellular and Infection Microbiology, 2020, 10, 380.	3.9	26
50	Leishmania infantum Lipophosphoglycan-Deficient Mutants: A Tool to Study Host Cell-Parasite Interplay. Frontiers in Microbiology, 2018, 9, 626.	3.5	24
51	Translational profiling of macrophages infected with Leishmania donovani identifies mTOR- and eIF4A-sensitive immune-related transcripts. PLoS Pathogens, 2020, 16, e1008291.	4.7	24
52	Leishmania donovani has distinct mannosylphosphoryltransferases for the initiation and elongation phases of lipophosphoglycan repeating unit biosynthesis. Molecular and Biochemical Parasitology, 1998, 94, 27-40.	1.1	23
53	The Protein Tyrosine Phosphatase SHP-1 Regulates Phagolysosome Biogenesis. Journal of Immunology, 2012, 189, 2203-2210.	0.8	23
54	Exclusion of synaptotagmin V at the phagocytic cup by Leishmania donovani lipophosphoglycan results in decreased promastigote internalization. Microbiology (United Kingdom), 2011, 157, 2619-2628.	1.8	20

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55	Roles of phosphatidylinositol 3â€kinase and p38 mitogenâ€activated protein kinase in the regulation of protein kinase Câ€Î± activation in interferonâ€Î³â€stimulated macrophages. Immunology, 2009, 128, e652-60.	4.4	19
56	Leishmania braziliensis: Strain-Specific Modulation of Phagosome Maturation. Frontiers in Cellular and Infection Microbiology, 2019, 9, 319.	3.9	19
57	Differential Induction of SOCS Isoforms by Leishmania donovani Impairs Macrophageâ€“T Cell Cross-Talk and Host Defense. Journal of Immunology, 2020, 204, 596-610.	0.8	18
58	Intraspecies Polymorphisms in the Lipophosphoglycan of L. braziliensis Differentially Modulate Macrophage Activation via TLR4. Frontiers in Cellular and Infection Microbiology, 2019, 9, 240.	3.9	17
59	Contribution of Electron and Confocal Microscopy in the Study ofLeishmaniaâ€“Macrophage Interactions. Microscopy and Microanalysis, 2004, 10, 656-661.	0.4	13
60	Modulation of lipopolysaccharide-induced NF-IL6 activation by protein kinase C-Î± in a mouse macrophage cell line. European Journal of Immunology, 2002, 32, 2897-2904.	2.9	10
61	Leishmania infantumPromastigotes Reduce Entry of HIVâ€1 into Macrophages through a Lipophosphoglycanâ€Mediated Disruption of Lipid Rafts. Journal of Infectious Diseases, 2008, 197, 1701-1708.	4.0	10
62	Leishmania Dices Away Cholesterol for Survival. Cell Host and Microbe, 2013, 13, 245-247.	11.0	10
63	Fragmentâ€Based Phenotypic Lead Discovery: Cellâ€Based Assay to Target Leishmaniasis. ChemMedChem, 2018, 13, 1377-1386.	3.2	10
64	Study on the Occurrence of Genetic Exchange Among Parasites of the Leishmania mexicana Complex. Frontiers in Cellular and Infection Microbiology, 2020, 10, 607253.	3.9	10
65	Dok proteins are recruited to the phagosome and degraded in a GP63-dependent manner during Leishmania major infection. Microbes and Infection, 2015, 17, 285-294.	1.9	9
66	Leishmania donovani Lipophosphoglycan Increases Macrophage-Dependent Chemotaxis of CXCR6-Expressing Cells via CXCL16 Induction. Infection and Immunity, 2019, 87, .	2.2	9
67	LPG2 Gene Duplication in Leishmania infantum: A Case for CRISPR-Cas9 Gene Editing. Frontiers in Cellular and Infection Microbiology, 2020, 10, 408.	3.9	8
68	Leishmania donovani Metacyclic Promastigotes Impair Phagosome Properties in Inflammatory Monocytes. Infection and Immunity, 2021, 89, e0000921.	2.2	8
69	Large-Scale Phagosome Preparation. Methods in Molecular Biology, 2009, 531, 329-346.	0.9	8
70	Macrophages Tell the Non-Professionals What to Do. Developmental Cell, 2016, 39, 633-635.	7.0	7
71	Moesin and myosin IIA modulate phagolysosomal biogenesis in macrophages. Biochemical and Biophysical Research Communications, 2018, 495, 1964-1971.	2.1	7
72	Tlr5 is not primarily associated with susceptibility to Salmonella Typhimurium infection in MOLF/Ei mice. Mammalian Genome, 2006, 17, 385-397.	2.2	6

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73	Fragment-Based Phenotypic Lead Discovery To Identify New Drug Seeds That Target Infectious Diseases. ACS Chemical Biology, 2021, 16, 2158-2163.	3.4	6
74	Persistent Cutaneous Leishmania major Infection Promotes Infection-Adapted Myelopoiesis. Microorganisms, 2022, 10, 535.	3.6	6
75	Jaggedâ€“Notch-mediated divergence of immune cell crosstalk maintains the anti-inflammatory response in visceral leishmaniasis. Journal of Cell Science, 2021, 134, .	2.0	5
76	Sec22b Regulates Inflammatory Responses by Controlling the Nuclear Translocation of NF-ÎºB and the Secretion of Inflammatory Mediators. Journal of Immunology, 2021, 207, 2297-2309.	0.8	5
77	Binding of Leishmania infantum Lipophosphoglycan to the Midgut Is Not Sufficient To Define Vector Competence in Lutzomyia longipalpis Sand Flies. MSphere, 2020, 5, .	2.9	4
78	Leishmania infantum Defective in Lipophosphoglycan Biosynthesis Interferes With Activation of Human Neutrophils. Frontiers in Cellular and Infection Microbiology, 2022, 12, 788196.	3.9	4
79	VAMP3 and VAMP8 Regulate the Development and Functionality of Parasitophorous Vacuoles Housing Leishmania amazonensis. Infection and Immunity, 2022, 90, IAI0018321.	2.2	3
80	Phagocytosis of Leishmania. Advances in Cellular and Molecular Biology of Membranes and Organelles, 1999, 6, 297-316.	0.3	2
81	The Macrophageâ€“Parasite Interface as a Chemotherapeutic Target in Leishmaniasis. RSC Drug Discovery Series, 2017, , 387-395.	0.3	2
82	Leishmania donovani promastigotes evade the antimicrobial activity of neutrophil extracellular traps. BMC Proceedings, 2011, 5, .	1.6	0
83	Editorial: Early Events During Host Cell-Pathogen Interaction. Frontiers in Cellular and Infection Microbiology, 2021, 11, 680557.	3.9	0
84	Cell-intrinsic Wnt4 ligand regulates mitochondrial oxidative phosphorylation in macrophages. Journal of Biological Chemistry, 2022, , 102193.	3.4	0