Scott M Landfear

List of Publications by Year
in descending order

81 papers	4,441 citations	147801 31 h-index	106344 65 g-index
84 all docs	84 docs citations	84 times ranked	4279 citing authors

#	Article	IF	Citations
1	The Genome of the African Trypanosome Trypanosoma brucei. Science, 2005, 309, 416-422.	12.6	1,496
2	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	4.7	244
3	Genetic characterization of glucose transporter function in Leishmania mexicana. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3901-3906.	7.1	124
4	The flagellum and flagellar pocket of trypanosomatids. Molecular and Biochemical Parasitology, 2001, 115, 1-17.	1.1	122
5	Host-derived glucose and its transporter in the obligate intracellular pathogen <i>Toxoplasma gondii</i> are dispensable by glutaminolysis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12998-13003.	7.1	121
6	Isolation and Functional Characterization of the PfNT1 Nucleoside Transporter Gene from Plasmodium falciparum. Journal of Biological Chemistry, 2000, 275, 10683-10691.	3.4	119
7	Mammalian glucose permease GLUT1 facilitates transport of arsenic trioxide and methylarsonous acid. Biochemical and Biophysical Research Communications, 2006, 351, 424-430.	2.1	117
8	Nucleoside and Nucleobase Transporters in Parasitic Protozoa. Eukaryotic Cell, 2004, 3, 245-254.	3.4	104
9	Arsenic transport by zebrafish aquaglyceroporins. BMC Molecular Biology, 2009, 10, 104.	3.0	84
10	Differential Regulation of Multiple Glucose Transporter Genes in Leishmania mexicana. Journal of Biological Chemistry, 1998, 273, 29118-29126.	3.4	81
11	Cloning of a Novel Inosine-Guanosine Transporter Gene fromLeishmania donovani by Functional Rescue of a Transport-deficient Mutant. Journal of Biological Chemistry, 2000, 275, 20935-20941.	3.4	80
12	A Family of Putative Receptor-Adenylate Cyclases from Leishmania donovani. Journal of Biological Chemistry, 1995, 270, 17551-17558.	3.4	68
13	The Adenosine Analog Tubercidin Inhibits Glycolysis in Trypanosoma brucei as Revealed by an RNA Interference Library. Journal of Biological Chemistry, 2003, 278, 46596-46600.	3.4	68
14	Nutrient Transport and Pathogenesis in Selected Parasitic Protozoa. Eukaryotic Cell, 2011, 10, 483-493.	3.4	63
15	Nucleoside transporters of parasitic protozoa. Trends in Parasitology, 2001, 17, 142-145.	3.3	62
16	Six Related Nucleoside/Nucleobase Transporters fromTrypanosoma brucei Exhibit Distinct Biochemical Functions. Journal of Biological Chemistry, 2002, 277, 21499-21504.	3.4	56
17	Adaptive responses to purine starvation in <i>Leishmania donovani</i>. Molecular Microbiology, 2010, 78, 92-107.	2.5	49
18	Equilibrative Nucleoside Transporter Family Members from Leishmania donovani Are Electrogenic Proton Symporters. Journal of Biological Chemistry, 2003, 278, 35127-35134.	3.4	46

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19	Metabolic Changes in Glucose Transporter-deficient Leishmania mexicana and Parasite Virulence. Journal of Biological Chemistry, 2006, 281, 20068-20076.	3.4	45
20	Molecular characterization of two genes encoding members of the glucose transporter superfamily in the parasitic protozoan Leishmania donovani. Molecular and Biochemical Parasitology, 1992, 55, 51-64.	1.1	44
21	Cytoskeletal Association Is Important for Differential Targeting of Glucose Transporter Isoforms in Leishmania. Journal of Cell Biology, 1997, 139, 1775-1783.	5.2	44
22	Cloning and Functional Expression of a Gene Encoding a P1 Type Nucleoside Transporter from Trypanosoma brucei. Journal of Biological Chemistry, 1999, 274, 30244-30249.	3.4	41
23	Functional expression and characterization of a purine nucleobase transporter gene fromLeishmania major. Molecular Membrane Biology, 2004, 21, 11-18.	2.0	41
24	Phenotypic characterization of a glucose transporter null mutant in Leishmania mexicana. Molecular and Biochemical Parasitology, 2007, 153, 9-18.	1.1	41
25	A constitutive panâ€hexose permease for the<i>Plasmodium</i>life cycle and transgenic models for screening of antimalarial sugar analogs. FASEB Journal, 2011, 25, 1218-1229.	0.5	41
26	Molecular genetic analysis of purine nucleobase transport in Leishmania major. Molecular Microbiology, 2007, 64, 1228-1243.	2.5	40
27	Regulation and biological function of a flagellar glucose transporter in<i>Leishmania mexicana:</i>a potential glucose sensor. FASEB Journal, 2015, 29, 11-24.	0.5	38
28	Kinetics and Stoichiometry of a Proton/ -Inositol Cotransporter. Journal of Biological Chemistry, 1996, 271, 14937-14943.	3.4	37
29	Aspartate 19 and Glutamate 121 Are Critical for Transport Function of the myo-Inositol/H+ Symporter fromLeishmania donovani. Journal of Biological Chemistry, 1997, 272, 24210-24215.	3.4	37
30	Transmembrane Domain 5 of the LdNT1.1 Nucleoside Transporter Is an Amphipathic Helix That Forms Part of the Nucleoside Translocation Pathwayâ€. Biochemistry, 2004, 43, 6793-6802.	2.5	37
31	Molecular genetics of nucleoside transporters in Leishmania and African trypanosomes. Biochemical Pharmacology, 2001, 62, 149-155.	4.4	34
32	Molecular and functional characterization of the first nucleobase transporter gene from African trypanosomes. Molecular and Biochemical Parasitology, 2003, 130, 101-110.	1.1	32
33	An Acid-activated Nucleobase Transporter from Leishmania major. Journal of Biological Chemistry, 2009, 284, 16164-16169.	3.4	32
34	Four Conserved Cytoplasmic Sequence Motifs Are Important for Transport Function of the LeishmaniaInositol/H+ Symporter. Journal of Biological Chemistry, 2000, 275, 5687-5693.	3.4	31
35	<i>Leishmania mexicana</i> can utilize amino acids as major carbon sources in macrophages but not in animal models. Molecular Microbiology, 2018, 108, 143-158.	2.5	31
36	Characterization of a Targeting Motif for a Flagellar Membrane Protein in Leishmania enriettii. Journal of Biological Chemistry, 1999, 274, 29543-29548.	3.4	30

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37	Drugs and Transporters in Kinetoplastid Protozoa. Advances in Experimental Medicine and Biology, 2008, 625, 22-32.	1.6	29
38	Identification of the Intracellular Gate for a Member of the Equilibrative Nucleoside Transporter (ENT) Family. Journal of Biological Chemistry, 2014, 289, 8799-8809.	3.4	29
39	Substrate depletion upregulates uptake of myo-inositol, glucose and adenosine in Leishmania. Molecular and Biochemical Parasitology, 1999, 104, 121-130.	1.1	28
40	Sequences required for the flagellar targeting of an integral membrane protein. Molecular and Biochemical Parasitology, 2004, 135, 89-100.	1.1	28
41	Targeting the Cytochrome <i>bc</i> ₁ Complex of Leishmania Parasites for Discovery of Novel Drugs. Antimicrobial Agents and Chemotherapy, 2016, 60, 4972-4982.	3.2	28
42	Developmentally regulated transporter inLeishmaniais encoded by a family of clustered genes. Nucleic Acids Research, 1990, 18, 1549-1557.	14.5	27
43	Two novel nucleobase/pentamidine transporters from Trypanosoma brucei. Molecular and Biochemical Parasitology, 2009, 163, 67-76.	1.1	26
44	A novel purine nucleoside transporter whose expression is up-regulated in the short stumpy form of the Trypanosoma brucei life cycle. Molecular and Biochemical Parasitology, 2004, 136, 265-272.	1.1	25
45	KHARON1 Mediates Flagellar Targeting of a Glucose Transporter in Leishmania mexicana and Is Critical for Viability of Infectious Intracellular Amastigotes. Journal of Biological Chemistry, 2013, 288, 22721-22733.	3.4	24
46	Comprehensive Examination of Charged Intramembrane Residues in a Nucleoside Transporter. Journal of Biological Chemistry, 2006, 281, 22647-22655.	3.4	23
47	An ab Initio Structural Model of a Nucleoside Permease Predicts Functionally Important Residues. Journal of Biological Chemistry, 2009, 284, 19067-19076.	3.4	23
48	Identification of Selective Inhibitors of the Plasmodium falciparum Hexose Transporter PfHT by Screening Focused Libraries of Anti-Malarial Compounds. PLoS ONE, 2015, 10, e0123598.	2.5	23
49	Discovery of novel, orally bioavailable, antileishmanial compounds using phenotypic screening. PLoS Neglected Tropical Diseases, 2017, 11, e0006157.	3.0	23
50	Amplification of an alternate transporter gene suppresses the avirulent phenotype of glucose transporter null mutants in <i>Leishmania mexicana</i>. Molecular Microbiology, 2009, 71, 369-381.	2.5	20
51	Touching the Surface: Diverse Roles for the Flagellar Membrane in Kinetoplastid Parasites. Microbiology and Molecular Biology Reviews, 2020, 84, .	6.6	20
52	Functional expression and subcellular localization of a high-Km hexose transporter from Leishmania donovani. Biochemistry, 1995, 34, 11814-11821.	2.5	19
53	Purine restriction induces pronounced translational upregulation of the NT1 adenosine/pyrimidine nucleoside transporter in <i>Leishmania major</i>. Molecular Microbiology, 2010, 78, 108-118.	2.5	18
54	Sensing Whatâ€™s Out There â€“ Kinetoplastid Parasites. Trends in Parasitology, 2019, 35, 274-277.	3.3	17

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55	Nutrient sensing in Leishmania : Flagellum and cytosol. Molecular Microbiology, 2020, 115, 849-859.	2.5	17
56	Down-Regulation of the Trypanosomatid Signal Recognition Particle Affects the Biogenesis of Polytopic Membrane Proteins but Not of Signal Peptide-Containing Proteins. Eukaryotic Cell, 2007, 6, 1865-1875.	3.4	16
57	Both sequence and context are important for flagellar targeting of a glucose transporter. Journal of Cell Science, 2012, 125, 3293-8.	2.0	16
58	An expression system to screen for inhibitors of parasite glucose transporters. Molecular and Biochemical Parasitology, 2008, 162, 71-76.	1.1	15
59	KHARON Is an Essential Cytoskeletal Protein Involved in the Trafficking of Flagellar Membrane Proteins and Cell Division in African Trypanosomes. Journal of Biological Chemistry, 2016, 291, 19760-19773.	3.4	15
60	Lysosomal degradation of Leishmania hexose and inositol transporters is regulated in a stage-, nutrient- and ubiquitin-dependent manner. International Journal for Parasitology, 2011, 41, 791-800.	3.1	13
61	Flagellar membrane proteins in kinetoplastid parasites. IUBMB Life, 2015, 67, 668-676.	3.4	13
62	Kharon1 Null Mutants of Leishmania mexicana Are Avirulent in Mice and Exhibit a Cytokinesis Defect within Macrophages. PLoS ONE, 2015, 10, e0134432.	2.5	13
63	Glucose Transporters in Parasitic Protozoa. Methods in Molecular Biology, 2010, 637, 245-262.	0.9	13
64	Trypanosomatid transcription factors: Waiting for Godot. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7-9.	7.1	11
65	Cysteine Cross-linking Defines the Extracellular Gate for the Leishmania donovani Nucleoside Transporter 1.1 (LdNT1.1). Journal of Biological Chemistry, 2012, 287, 44036-44045.	3.4	11
66	â€˜Transientâ€™ genetic suppression facilitates generation of hexose transporter null mutants in <i><scp>L</scp>eishmania mexicana</i>. Molecular Microbiology, 2013, 87, 412-429.	2.5	9
67	Glucose Transporters and Virulence in Leishmania mexicana. MSphere, 2018, 3, .	2.9	9
68	A cytoskeletal protein complex is essential for division of intracellular amastigotes of Leishmania mexicana. Journal of Biological Chemistry, 2020, 295, 13106-13122.	3.4	9
69	Genetics and biochemistry of Leishmania membrane transporters. Current Opinion in Microbiology, 2000, 3, 417-421.	5.1	8
70	Remodeling of protein and mRNA expression in Leishmania mexicana induced by deletion of glucose transporter genes. Molecular and Biochemical Parasitology, 2011, 175, 39-48.	1.1	8
71	Coxiella burnetii and Leishmania mexicana residing within similar parasitophorous vacuoles elicit disparate host responses. Frontiers in Microbiology, 2015, 6, 794.	3.5	7
72	Protean permeases: Diverse roles for membrane transport proteins in kinetoplastid protozoa. Molecular and Biochemical Parasitology, 2019, 227, 39-46.	1.1	5

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73	Amino-Substituted 3-Aryl- and 3-Heteroarylquinolines as Potential Antileishmanial Agents. Journal of Medicinal Chemistry, 2021, 64, 12152-12162.	6.4	5
74	Transporters, channels and receptors in flagella. Channels, 2014, 8, 477-478.	2.8	4
75	Jatropha Natural Products as Potential Therapeutic Leads. , 2015, , 77-98.		3
76	Vaccinia Virus Vectors Targeting Peptides for MHC Class II Presentation to CD4+ T Cells. ImmunoHorizons, 2020, 4, 1-13.	1.8	3
77	New Vistas in the Biology of the Flagellumâ€"Leishmania Parasites. Pathogens, 2022, 11, 447.	2.8	3
78	A novel purine nucleoside transporter whose expression is up-regulated in the short stumpy form of the Trypanosoma brucei life cycle. Molecular and Biochemical Parasitology, 2004, 136, 265-265.	1.1	2
79	Functional Analysis of Leishmania Membrane (Non-ABC) Transporters Involved in Drug Resistance. , 2013, , 259-284.		1
80	Membrane Transport and Metabolism in Leishmania Parasites. World Class Parasites, 2002, , 75-87.	0.3	0
81	Functional Analysis of Leishmania Membrane (Non-ABC) Transporters Involved in Drug Resistance. , 2018, , 273-294.		0