

Scott M Landfear

List of Publications by Year in descending order

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81
papers

4,441
citations

147726

31
h-index

106281

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 <i>Trypanosoma brucei</i> . <i>Science</i> , 2005, 309, 416-422.	6.0	1,496
2	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. <i>PLoS Pathogens</i> , 2016, 12, e1005763.	2.1	244
3	Genetic characterization of glucose transporter function in <i>Leishmania mexicana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3901-3906.	3.3	124
4	The flagellum and flagellar pocket of trypanosomatids. <i>Molecular and Biochemical Parasitology</i> , 2001, 115, 1-17.	0.5	122
5	Host-derived glucose and its transporter in the obligate intracellular pathogen <i>Toxoplasma gondii</i> are dispensable by glutaminolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12998-13003.	3.3	121
6	Isolation and Functional Characterization of the PfNT1 Nucleoside Transporter Gene from <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 10683-10691.	1.6	119
7	Mammalian glucose permease GLUT1 facilitates transport of arsenic trioxide and methylarsonous acid. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 424-430.	1.0	117
8	Nucleoside and Nucleobase Transporters in Parasitic Protozoa. <i>Eukaryotic Cell</i> , 2004, 3, 245-254.	3.4	104
9	Arsenic transport by zebrafish aquaglyceroporins. <i>BMC Molecular Biology</i> , 2009, 10, 104.	3.0	84
10	Differential Regulation of Multiple Glucose Transporter Genes in <i>Leishmania mexicana</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 29118-29126.	1.6	81
11	Cloning of a Novel Inosine-Guanosine Transporter Gene from <i>Leishmania donovani</i> by Functional Rescue of a Transport-deficient Mutant. <i>Journal of Biological Chemistry</i> , 2000, 275, 20935-20941.	1.6	80
12	A Family of Putative Receptor-Adenylate Cyclases from <i>Leishmania donovani</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 17551-17558.	1.6	68
13	The Adenosine Analog Tubercidin Inhibits Glycolysis in <i>Trypanosoma brucei</i> as Revealed by an RNA Interference Library. <i>Journal of Biological Chemistry</i> , 2003, 278, 46596-46600.	1.6	68
14	Nutrient Transport and Pathogenesis in Selected Parasitic Protozoa. <i>Eukaryotic Cell</i> , 2011, 10, 483-493.	3.4	63
15	Nucleoside transporters of parasitic protozoa. <i>Trends in Parasitology</i> , 2001, 17, 142-145.	1.5	62
16	Six Related Nucleoside/Nucleobase Transporters from <i>Trypanosoma brucei</i> Exhibit Distinct Biochemical Functions. <i>Journal of Biological Chemistry</i> , 2002, 277, 21499-21504.	1.6	56
17	Adaptive responses to purine starvation in <i>Leishmania donovani</i> . <i>Molecular Microbiology</i> , 2010, 78, 92-107.	1.2	49
18	Equilibrative Nucleoside Transporter Family Members from <i>Leishmania donovani</i> Are Electrogenic Proton Symporters. <i>Journal of Biological Chemistry</i> , 2003, 278, 35127-35134.	1.6	46

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19	Metabolic Changes in Glucose Transporter-deficient <i>Leishmania mexicana</i> and Parasite Virulence. <i>Journal of Biological Chemistry</i> , 2006, 281, 20068-20076.	1.6	45
20	Molecular characterization of two genes encoding members of the glucose transporter superfamily in the parasitic protozoan <i>Leishmania donovani</i> . <i>Molecular and Biochemical Parasitology</i> , 1992, 55, 51-64.	0.5	44
21	Cytoskeletal Association Is Important for Differential Targeting of Glucose Transporter Isoforms in <i>Leishmania</i> . <i>Journal of Cell Biology</i> , 1997, 139, 1775-1783.	2.3	44
22	Cloning and Functional Expression of a Gene Encoding a P1 Type Nucleoside Transporter from <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 30244-30249.	1.6	41
23	Functional expression and characterization of a purine nucleobase transporter gene from <i>Leishmania major</i> . <i>Molecular Membrane Biology</i> , 2004, 21, 11-18.	2.0	41
24	Phenotypic characterization of a glucose transporter null mutant in <i>Leishmania mexicana</i> . <i>Molecular and Biochemical Parasitology</i> , 2007, 153, 9-18.	0.5	41
25	A constitutive panâ€hexose permease for the <i>Plasmodium</i> life cycle and transgenic models for screening of antimalarial sugar analogs. <i>FASEB Journal</i> , 2011, 25, 1218-1229.	0.2	41
26	Molecular genetic analysis of purine nucleobase transport in <i>Leishmania major</i> . <i>Molecular Microbiology</i> , 2007, 64, 1228-1243.	1.2	40
27	Regulation and biological function of a flagellar glucose transporter in <i>Leishmania mexicana</i> : a potential glucose sensor. <i>FASEB Journal</i> , 2015, 29, 11-24.	0.2	38
28	Kinetics and Stoichiometry of a Proton/ -Inositol Cotransporter. <i>Journal of Biological Chemistry</i> , 1996, 271, 14937-14943.	1.6	37
29	Aspartate 19 and Glutamate 121 Are Critical for Transport Function of the myo-Inositol/H+ Symporter from <i>Leishmania donovani</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 24210-24215.	1.6	37
30	Transmembrane Domain 5 of the LdNT1.1 Nucleoside Transporter Is an Amphipathic Helix That Forms Part of the Nucleoside Translocation Pathwayâ€€. <i>Biochemistry</i> , 2004, 43, 6793-6802.	1.2	37
31	Molecular genetics of nucleoside transporters in <i>Leishmania</i> and African trypanosomes. <i>Biochemical Pharmacology</i> , 2001, 62, 149-155.	2.0	34
32	Molecular and functional characterization of the first nucleobase transporter gene from African trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 2003, 130, 101-110.	0.5	32
33	An Acid-activated Nucleobase Transporter from <i>Leishmania major</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 16164-16169.	1.6	32
34	Four Conserved Cytoplasmic Sequence Motifs Are Important for Transport Function of the <i>Leishmania</i> Inositol/H+ Symporter. <i>Journal of Biological Chemistry</i> , 2000, 275, 5687-5693.	1.6	31
35	<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.	1.2	31
36	Characterization of a Targeting Motif for a Flagellar Membrane Protein in <i>Leishmania enriettii</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 29543-29548.	1.6	30

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37	Drugs and Transporters in Kinetoplastid Protozoa. <i>Advances in Experimental Medicine and Biology</i> , 2008, 625, 22-32.	0.8	29
38	Identification of the Intracellular Gate for a Member of the Equilibrative Nucleoside Transporter (ENT) Family. <i>Journal of Biological Chemistry</i> , 2014, 289, 8799-8809.	1.6	29
39	Substrate depletion upregulates uptake of myo-inositol, glucose and adenosine in <i>Leishmania</i> . <i>Molecular and Biochemical Parasitology</i> , 1999, 104, 121-130.	0.5	28
40	Sequences required for the flagellar targeting of an integral membrane protein. <i>Molecular and Biochemical Parasitology</i> , 2004, 135, 89-100.	0.5	28
41	Targeting the Cytochrome <i>bc₁</i> Complex of <i>Leishmania</i> Parasites for Discovery of Novel Drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4972-4982.	1.4	28
42	Developmentally regulated transporter in <i>Leishmania</i> is encoded by a family of clustered genes. <i>Nucleic Acids Research</i> , 1990, 18, 1549-1557.	6.5	27
43	Two novel nucleobase/pentamidine transporters from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2009, 163, 67-76.	0.5	26
44	A novel purine nucleoside transporter whose expression is up-regulated in the short stumpy form of the <i>Trypanosoma brucei</i> life cycle. <i>Molecular and Biochemical Parasitology</i> , 2004, 136, 265-272.	0.5	25
45	KHARON1 Mediates Flagellar Targeting of a Glucose Transporter in <i>Leishmania mexicana</i> and Is Critical for Viability of Infectious Intracellular Amastigotes. <i>Journal of Biological Chemistry</i> , 2013, 288, 22721-22733.	1.6	24
46	Comprehensive Examination of Charged Intramembrane Residues in a Nucleoside Transporter. <i>Journal of Biological Chemistry</i> , 2006, 281, 22647-22655.	1.6	23
47	An ab Initio Structural Model of a Nucleoside Permease Predicts Functionally Important Residues. <i>Journal of Biological Chemistry</i> , 2009, 284, 19067-19076.	1.6	23
48	Identification of Selective Inhibitors of the <i>Plasmodium falciparum</i> Hexose Transporter PfHT by Screening Focused Libraries of Anti-Malarial Compounds. <i>PLoS ONE</i> , 2015, 10, e0123598.	1.1	23
49	Discovery of novel, orally bioavailable, antileishmanial compounds using phenotypic screening. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006157.	1.3	23
50	Amplification of an alternate transporter gene suppresses the avirulent phenotype of glucose transporter null mutants in <i>Leishmania mexicana</i> . <i>Molecular Microbiology</i> , 2009, 71, 369-381.	1.2	20
51	Touching the Surface: Diverse Roles for the Flagellar Membrane in Kinetoplastid Parasites. <i>Microbiology and Molecular Biology Reviews</i> , 2020, 84, .	2.9	20
52	Functional expression and subcellular localization of a high-K _m hexose transporter from <i>Leishmania donovani</i> . <i>Biochemistry</i> , 1995, 34, 11814-11821.	1.2	19
53	Purine restriction induces pronounced translational upregulation of the NT1 adenosine/pyrimidine nucleoside transporter in <i>Leishmania major</i> . <i>Molecular Microbiology</i> , 2010, 78, 108-118.	1.2	18
54	Sensing What's Out There " Kinetoplastid Parasites. <i>Trends in Parasitology</i> , 2019, 35, 274-277.	1.5	17

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55	Nutrient sensing in Leishmania : Flagellum and cytosol. <i>Molecular Microbiology</i> , 2020, 115, 849-859.	1.2	17
56	Down-Regulation of the Trypanosomatid Signal Recognition Particle Affects the Biogenesis of Polytopic Membrane Proteins but Not of Signal Peptide-Containing Proteins. <i>Eukaryotic Cell</i> , 2007, 6, 1865-1875.	3.4	16
57	Both sequence and context are important for flagellar targeting of a glucose transporter. <i>Journal of Cell Science</i> , 2012, 125, 3293-8.	1.2	16
58	An expression system to screen for inhibitors of parasite glucose transporters. <i>Molecular and Biochemical Parasitology</i> , 2008, 162, 71-76.	0.5	15
59	KHARON Is an Essential Cytoskeletal Protein Involved in the Trafficking of Flagellar Membrane Proteins and Cell Division in African Trypanosomes. <i>Journal of Biological Chemistry</i> , 2016, 291, 19760-19773.	1.6	15
60	Lysosomal degradation of Leishmania hexose and inositol transporters is regulated in a stage-, nutrient- and ubiquitin-dependent manner. <i>International Journal for Parasitology</i> , 2011, 41, 791-800.	1.3	13
61	Flagellar membrane proteins in kinetoplastid parasites. <i>IUBMB Life</i> , 2015, 67, 668-676.	1.5	13
62	Kharon1 Null Mutants of Leishmania mexicana Are Avirulent in Mice and Exhibit a Cytokinesis Defect within Macrophages. <i>PLoS ONE</i> , 2015, 10, e0134432.	1.1	13
63	Glucose Transporters in Parasitic Protozoa. <i>Methods in Molecular Biology</i> , 2010, 637, 245-262.	0.4	13
64	Trypanosomatid transcription factors: Waiting for Godot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7-9.	3.3	11
65	Cysteine Cross-linking Defines the Extracellular Gate for the Leishmania donovani Nucleoside Transporter 1.1 (LdNT1.1). <i>Journal of Biological Chemistry</i> , 2012, 287, 44036-44045.	1.6	11
66	Transient genetic suppression facilitates generation of hexose transporter null mutants in <i>Leishmania mexicana</i> . <i>Molecular Microbiology</i> , 2013, 87, 412-429.	1.2	9
67	Glucose Transporters and Virulence in Leishmania mexicana. <i>MSphere</i> , 2018, 3, .	1.3	9
68	A cytoskeletal protein complex is essential for division of intracellular amastigotes of Leishmania mexicana. <i>Journal of Biological Chemistry</i> , 2020, 295, 13106-13122.	1.6	9
69	Genetics and biochemistry of Leishmania membrane transporters. <i>Current Opinion in Microbiology</i> , 2000, 3, 417-421.	2.3	8
70	Remodeling of protein and mRNA expression in Leishmania mexicana induced by deletion of glucose transporter genes. <i>Molecular and Biochemical Parasitology</i> , 2011, 175, 39-48.	0.5	8
71	Coxiella burnetii and Leishmania mexicana residing within similar parasitophorous vacuoles elicit disparate host responses. <i>Frontiers in Microbiology</i> , 2015, 6, 794.	1.5	7
72	Protean permeases: Diverse roles for membrane transport proteins in kinetoplastid protozoa. <i>Molecular and Biochemical Parasitology</i> , 2019, 227, 39-46.	0.5	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.	2.9	5
74	Transporters, channels and receptors in flagella. Channels, 2014, 8, 477-478.	1.5	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.	0.8	3
77	New Vistas in the Biology of the Flagellumâ€”Leishmania Parasites. Pathogens, 2022, 11, 447.	1.2	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.	0.5	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