

Robert C Duncan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1633389/publications.pdf>

Version: 2024-02-01

60
papers

2,891
citations

172457

29
h-index

168389

53
g-index

60
all docs

60
docs citations

60
times ranked

2977
citing authors

#	ARTICLE	IF	CITATIONS
1	A sequence-specific, single-strand binding protein activates the far upstream element of c-myc and defines a new DNA-binding motif.. <i>Genes and Development</i> , 1994, 8, 465-480.	5.9	297
2	Programmed cell death in the unicellular protozoan parasite <i>Leishmania</i> . <i>Cell Death and Differentiation</i> , 2002, 9, 53-64.	11.2	253
3	An in vitro system for developmental and genetic studies of <i>Leishmania donovani</i> phosphoglycans. <i>Molecular and Biochemical Parasitology</i> , 2003, 130, 31-42.	1.1	163
4	Intracellular Replication-Deficient <i>Leishmania donovani</i> Induces Long Lasting Protective Immunity against Visceral Leishmaniasis. <i>Journal of Immunology</i> , 2009, 183, 1813-1820.	0.8	163
5	The Far Upstream Element-binding Proteins Comprise an Ancient Family of Single-strand DNA-binding Transactivators. <i>Journal of Biological Chemistry</i> , 1996, 271, 31679-31687.	3.4	156
6	Programmed cell death in trypanosomatids and other unicellular organisms. <i>International Journal for Parasitology</i> , 2003, 33, 257-267.	3.1	154
7	Centrin Gene Disruption Impairs Stage-specific Basal Body Duplication and Cell Cycle Progression in <i>Leishmania</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 25703-25710.	3.4	122
8	Live Attenuated <i>Leishmania donovani</i> p27 Gene Knockout Parasites Are Nonpathogenic and Elicit Long-Term Protective Immunity in BALB/c Mice. <i>Journal of Immunology</i> , 2013, 190, 2138-2149.	0.8	94
9	Overexpression of histone H2A modulates drug susceptibility in <i>Leishmania</i> parasites. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 50-57.	2.5	78
10	Characterization of a <i>Leishmania</i> stage-specific mitochondrial membrane protein that enhances the activity of cytochrome c oxidase and its role in virulence. <i>Molecular Microbiology</i> , 2010, 77, 399-414.	2.5	73
11	Expression of a Mutant Form of <i>Leishmania donovani</i> Centrin Reduces the Growth of the Parasite. <i>Journal of Biological Chemistry</i> , 2001, 276, 43253-43261.	3.4	71
12	A New Model of Progressive Visceral Leishmaniasis in Hamsters by Natural Transmission via Bites of Vector Sand Flies. <i>Journal of Infectious Diseases</i> , 2013, 207, 1328-1338.	4.0	70
13	A Unique Transactivation Sequence Motif Is Found in the Carboxyl-Terminal Domain of the Single-Strand-Binding Protein FBP. <i>Molecular and Cellular Biology</i> , 1996, 16, 2274-2282.	2.3	67
14	Targeted Melting and Binding of a DNA Regulatory Element by a Transactivator of c-myc. <i>Journal of Biological Chemistry</i> , 1995, 270, 8241-8248.	3.4	64
15	Immunity to Visceral Leishmaniasis Using Genetically Defined Live-Attenuated Parasites. <i>Journal of Tropical Medicine</i> , 2012, 2012, 1-12.	1.7	64
16	Characterization of Cross-Protection by Genetically Modified Live-Attenuated <i>Leishmania donovani</i> Parasites against <i>Leishmania mexicana</i> . <i>Journal of Immunology</i> , 2014, 193, 3513-3527.	0.8	56
17	Isolation and characterization of <i>Leishmania donovani</i> calreticulin gene and its conservation of the RNA binding activity. <i>Molecular and Biochemical Parasitology</i> , 1996, 81, 53-64.	1.1	51
18	A Multiplex Polymerase Chain Reaction Microarray Assay to Detect Bioterror Pathogens in Blood. <i>Journal of Molecular Diagnostics</i> , 2005, 7, 486-494.	2.8	50

#	ARTICLE	IF	CITATIONS
19	Rubella Virus-Induced Apoptosis Varies among Cell Lines and Is Modulated by Bcl-XL and Caspase Inhibitors. <i>Virology</i> , 1999, 255, 117-128.	2.4	47
20	Upregulation of surface proteins in <i>Leishmania donovani</i> isolated from patients of post kala-azar dermal leishmaniasis. <i>Microbes and Infection</i> , 2006, 8, 637-644.	1.9	47
21	Deletion of mitochondrial associated ubiquitin fold modifier protein Ufm1 in <i>Leishmania donovani</i> results in loss of H_2O_2 oxidation of fatty acids and blocks cell division in the amastigote stage. <i>Molecular Microbiology</i> , 2012, 86, 187-198.	2.5	42
22	Rubella Virus Capsid Protein Induces Apoptosis in Transfected RK13 Cells. <i>Virology</i> , 2000, 275, 20-29.	2.4	41
23	Downregulation of Mitogen-Activated Protein Kinase 1 of <i>Leishmania donovani</i> Field Isolates Is Associated with Antimony Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 518-525.	3.2	41
24	The Application of Gene Expression Microarray Technology to Kinetoplastid Research. <i>Current Molecular Medicine</i> , 2004, 4, 611-621.	1.3	40
25	Transcriptome analysis during the process of in vitro differentiation of <i>Leishmania donovani</i> using genomic microarrays. <i>Parasitology</i> , 2007, 134, 1527-1539.	1.5	40
26	Myc-1 is centromeric to the linkage group Ly-6-Sis-Gdc-1 on mouse chromosome 15. <i>Immunogenetics</i> , 1988, 27, 215-219.	2.4	39
27	A <i>Leishmania</i> minicircle DNA footprint assay for sensitive detection and rapid speciation of clinical isolates. <i>Transfusion</i> , 2008, 48, 1787-1798.	1.6	36
28	DNA microarray analysis of protozoan parasite gene expression: outcomes correlate with mechanisms of regulation. <i>Trends in Parasitology</i> , 2004, 20, 211-215.	3.3	32
29	A Novel Semiquantitative Fluorescence-Based Multiplex Polymerase Chain Reaction Assay for Rapid Simultaneous Detection of Bacterial and Parasitic Pathogens from Blood. <i>Journal of Molecular Diagnostics</i> , 2005, 7, 268-275.	2.8	29
30	Rubella Virus E2 Signal Peptide Is Required for Perinuclear Localization of Capsid Protein and Virus Assembly. <i>Journal of Virology</i> , 2001, 75, 1978-1983.	3.4	28
31	DNA Polymorphism Assay Distinguishes Isolates of <i>Leishmania donovani</i> That Cause Kala-Azar from Those That Cause Post-Kala-Azar Dermal Leishmaniasis in Humans. <i>Journal of Clinical Microbiology</i> , 2004, 42, 1739-1741.	3.9	26
32	Microarray multiplex assay for the simultaneous detection and discrimination of hepatitis B, hepatitis C, and human immunodeficiency type-1 viruses in human blood samples. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 1017-1023.	2.1	26
33	Early response gene expression during differentiation of cultured <i>Leishmania donovani</i> . <i>Parasitology Research</i> , 2001, 87, 897-906.	1.6	23
34	Mitochondrial Associated Ubiquitin Fold Modifier-1 Mediated Protein Conjugation in <i>Leishmania donovani</i> . <i>PLoS ONE</i> , 2011, 6, e16156.	2.5	23
35	Multiplex Screening for Blood-Borne Viral, Bacterial, and Protozoan Parasites using an OpenArray Platform. <i>Journal of Molecular Diagnostics</i> , 2014, 16, 136-144.	2.8	22
36	Chromosomal location of the regulator of mouse alpha-fetoprotein, Afr-1. <i>Genetics</i> , 1988, 119, 687-691.	2.9	22

#	ARTICLE	IF	CITATIONS
37	Cloning and characterization of angiotensin converting enzyme related dipeptidylcarboxypeptidase from <i>Leishmania donovani</i> . <i>Molecular and Biochemical Parasitology</i> , 2006, 145, 147-157.	1.1	21
38	La autoantigen binding to a 5â€² cis-element of rubella virus RNA correlates with element function in vivo. <i>Gene</i> , 1997, 201, 137-149.	2.2	19
39	Genetically modified live attenuated parasites as vaccines for leishmaniasis. <i>Indian Journal of Medical Research</i> , 2006, 123, 455-66.	1.0	19
40	Genes that modify expression of major urinary proteins in mice.. <i>Molecular and Cellular Biology</i> , 1988, 8, 2705-2712.	2.3	18
41	Advances in multiplex nucleic acid diagnostics for blood-borne pathogens: promises and pitfalls. <i>Expert Review of Molecular Diagnostics</i> , 2016, 16, 83-95.	3.1	18
42	Deletion of Ubiquitin Fold Modifier Protein Ufm1 Processing Peptidase Ufsp in <i>L. donovani</i> Abolishes Ufm1 Processing and Alters Pathogenesis. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2707.	3.0	17
43	Identification and Characterization of Genes Involved in <i>Leishmania</i> Pathogenesis: The Potential for Drug Target Selection. <i>Molecular Biology International</i> , 2011, 2011, 1-10.	1.7	16
44	<i>Leishmania donovani</i> Argininosuccinate Synthase Is an Active Enzyme Associated with Parasite Pathogenesis. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1849.	3.0	16
45	Comparative in vivo expression of amastigote up regulated <i>Leishmania</i> genes in three different forms of Leishmaniasis. <i>Parasitology International</i> , 2010, 59, 262-264.	1.3	15
46	Standardized methods to generate mock (spiked) clinical specimens by spiking blood or plasma with cultured pathogens. <i>Journal of Applied Microbiology</i> , 2016, 120, 1119-1129.	3.1	13
47	Genes That Modify Expression of Major Urinary Proteins in Mice. <i>Molecular and Cellular Biology</i> , 1988, 8, 2705-2712.	2.3	12
48	Comparison of multiplex PCR hybridization-based and singleplex real-time PCR-based assays for detection of low prevalence pathogens in spiked samples. <i>Journal of Microbiological Methods</i> , 2017, 132, 76-82.	1.6	9
49	Highly Multiplex Real-Time PCR-Based Screening for Blood-Borne Pathogens on an OpenArray Platform. <i>Journal of Molecular Diagnostics</i> , 2017, 19, 549-560.	2.8	8
50	Multiplex detection and identification of viral, bacterial, and protozoan pathogens in human blood and plasma using a high-density resequencing pathogen microarray platform. <i>Transfusion</i> , 2016, 56, 1537-1547.	1.6	7
51	Advancing Molecular Diagnostics for Trypanosomatid Parasites. <i>Journal of Molecular Diagnostics</i> , 2014, 16, 379-381.	2.8	6
52	Advances in multiplex nucleic acid diagnostics for blood-borne pathogens: promises and pitfalls - an update. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 15-25.	3.1	6
53	Biomarkers of Attenuation in the <i>Leishmania donovani</i> Centrin Gene Deleted Cell Line-Requirements for Safety in a Live Vaccine Candidate. <i>The Open Parasitology Journal</i> , 2009, 3, 14-23.	1.7	5
54	A novel signal sequence negative multimeric glycosomal protein required for cell cycle progression of <i>Leishmania donovani</i> parasites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1148-1159.	4.1	4

#	ARTICLE	IF	CITATIONS
55	The use of laser-based diagnostics for the rapid identification of infectious agents in human blood. Journal of Applied Microbiology, 2019, 126, 1606-1617.	3.1	4
56	Programmed cell death in the unicellular protozoan parasite Leishmania. , 0, .		3
57	Genetic Map Location of Afr-1: Results From Four Genetic Crosses. Current Topics in Microbiology and Immunology, 1988, 137, 264-267.	1.1	2
58	Current Status and Future Challenges for the Development of Genetically Altered Live Attenuated Leishmania Vaccines. , 2014, , 45-66.		1
59	The use of laser-based diagnostics for the rapid identification of blood borne viruses in human plasma samples. Journal of Applied Microbiology, 2021, , .	3.1	1
60	Tracking ebolavirus genomic drift with a resequencing microarray. PLoS ONE, 2022, 17, e0263732.	2.5	1