

Barbara Papadopoulou

List of Publications by Year in descending order

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57
papers

3,694
citations

136950

32
h-index

149698

56
g-index

91
all docs

91
docs citations

91
times ranked

3350
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic depletion of the RNA helicase DDX3 leads to impaired elongation of translating ribosomes triggering co-translational quality control of newly synthesized polypeptides. <i>Nucleic Acids Research</i> , 2021, 49, 9459-9478.	14.5	8
2	Identification of novel proteins and mRNAs differentially bound to the Leishmania Poly(A) Binding Proteins reveals a direct association between PABP1, the RNA-binding protein RBP23 and mRNAs encoding ribosomal proteins. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009899.	3.0	8
3	The AAA+ATPase valosin-containing protein (VCP)/p97/Cdc48 interaction network in Leishmania. <i>Scientific Reports</i> , 2020, 10, 13135.	3.3	3
4	New insights in the mode of action of anti-leishmanial drugs by using chemical mutagenesis screens coupled to next-generation sequencing. <i>Microbial Cell</i> , 2020, 7, 59-61.	3.2	6
5	In Vivo Tethering System to Isolate RNA-Binding Proteins Regulating mRNA Decay in Leishmania. <i>Methods in Molecular Biology</i> , 2020, 2116, 325-338.	0.9	1
6	Coupling chemical mutagenesis to next generation sequencing for the identification of drug resistance mutations in Leishmania. <i>Nature Communications</i> , 2019, 10, 5627.	12.8	37
7	Phosphorylation and interactions associated with the control of the Leishmania Poly-A Binding Protein 1 (PABP1) function during translation initiation. <i>RNA Biology</i> , 2018, 15, 1-17.	3.1	12
8	Valosin-containing protein VCP/p97 is essential for the intracellular development of <i>Leishmania</i> and its survival under heat stress. <i>Cellular Microbiology</i> , 2018, 20, e12867.	2.1	7
9	SIDER2 retroposon-mediated mRNA decay in Leishmania is coupled to translation. <i>International Journal for Parasitology</i> , 2017, 47, 305-310.	3.1	2
10	The Pumilio-domain protein PUF6 contributes to SIDER2 retroposon-mediated mRNA decay in <i>Leishmania</i> . <i>Rna</i> , 2017, 23, 1874-1885.	3.5	8
11	Drug resistance and treatment failure in leishmaniasis: A 21st century challenge. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006052.	3.0	571
12	RNA secondary structure and nucleotide composition of the conserved hallmark sequence of Leishmania SIDER2 retroposons are essential for endonucleolytic cleavage and mRNA degradation. <i>PLoS ONE</i> , 2017, 12, e0180678.	2.5	3
13	DDX3 DEAD-box RNA helicase plays a central role in mitochondrial protein quality control in Leishmania. <i>Cell Death and Disease</i> , 2016, 7, e2406-e2406.	6.3	31
14	Plasticity of the Leishmania genome leading to gene copy number variations and drug resistance. <i>F1000Research</i> , 2016, 5, 2350.	1.6	111
15	Species-Specific Antimonial Sensitivity in Leishmania Is Driven by Post-Transcriptional Regulation of AQP1. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003500.	3.0	35
16	Immunological comparison of DNA vaccination using two delivery systems against canine leishmaniasis. <i>Veterinary Parasitology</i> , 2015, 212, 130-139.	1.8	28
17	The unique Leishmania EIF4E4N-terminus is a target for multiple phosphorylation events and participates in critical interactions required for translation initiation. <i>RNA Biology</i> , 2015, 12, 1209-1221.	3.1	18
18	Approaches for Studying mRNA Decay Mediated by SIDER2 Retroposons in Leishmania. <i>Methods in Molecular Biology</i> , 2015, 1201, 123-142.	0.9	1

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19	Evaluation of Live Recombinant Nonpathogenic <i>Leishmania tarentolae</i> Expressing Cysteine Proteinase and A2 Genes as a Candidate Vaccine against Experimental Canine Visceral Leishmaniasis. <i>PLoS ONE</i> , 2015, 10, e0132794.	2.5	34
20	Differential Subcellular Localization of <i>Leishmania</i> Alba-Domain Proteins throughout the Parasite Development. <i>PLoS ONE</i> , 2015, 10, e0137243.	2.5	44
21	Enhanced Protective Efficacy of Nonpathogenic Recombinant <i>Leishmania tarentolae</i> Expressing Cysteine Proteinases Combined with a Sand Fly Salivary Antigen. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2751.	3.0	71
22	Genome-Wide Stochastic Adaptive DNA Amplification at Direct and Inverted DNA Repeats in the Parasite <i>Leishmania</i> . <i>PLoS Biology</i> , 2014, 12, e1001868.	5.6	130
23	An <i>Alba</i> -domain protein contributes to the stage-regulated stability of amastin transcripts in <i>Leishmania</i> . <i>Molecular Microbiology</i> , 2014, 91, 548-561.	2.5	38
24	Adjuvanted inactivated influenza A(H3N2) vaccines induce stronger immunogenicity in mice and confer higher protection in ferrets than unadjuvanted inactivated vaccines. <i>Vaccine</i> , 2014, 32, 5730-5739.	3.8	13
25	Translational Control through eIF2alpha Phosphorylation during the <i>Leishmania</i> Differentiation Process. <i>PLoS ONE</i> , 2012, 7, e35085.	2.5	56
26	Novel Features of a PIWI-Like Protein Homolog in the Parasitic Protozoan <i>Leishmania</i> . <i>PLoS ONE</i> , 2012, 7, e52612.	2.5	15
27	Promastigote to amastigote differentiation of <i>Leishmania</i> is markedly delayed in the absence of PERK eIF2alpha kinase-dependent eIF2alpha phosphorylation. <i>Cellular Microbiology</i> , 2011, 13, 1059-1077.	2.1	54
28	Stage-specific expression of the glycine cleavage complex subunits in <i>Leishmania infantum</i> . <i>Molecular and Biochemical Parasitology</i> , 2010, 170, 17-27.	1.1	9
29	Selective inactivation of <i>SIDER2</i> retroposon-mediated mRNA decay contributes to stage- and species-specific gene expression in <i>Leishmania</i> . <i>Molecular Microbiology</i> , 2010, 77, 471-491.	2.5	16
30	Rapid decay of unstable <i>Leishmania</i> mRNAs bearing a conserved retroposon signature 3'-UTR motif is initiated by a site-specific endonucleolytic cleavage without prior deadenylation. <i>Nucleic Acids Research</i> , 2010, 38, 5867-5883.	14.5	27
31	Whole-genome comparative RNA expression profiling of axenic and intracellular amastigote forms of <i>Leishmania infantum</i> . <i>Molecular and Biochemical Parasitology</i> , 2009, 165, 32-47.	1.1	95
32	Organization and evolution of two <i>SIDER</i> retroposon subfamilies and their impact on the <i>Leishmania</i> genome. <i>BMC Genomics</i> , 2009, 10, 240.	2.8	40
33	Coordinated gene expression by post-transcriptional regulons in African trypanosomes. <i>Journal of Biology</i> , 2009, 8, 100.	2.7	52
34	Role of transposable elements in trypanosomatids. <i>Microbes and Infection</i> , 2008, 10, 575-581.	1.9	34
35	Genome-wide gene expression profiling analysis of <i>Leishmania major</i> and <i>Leishmania infantum</i> developmental stages reveals substantial differences between the two species. <i>BMC Genomics</i> , 2008, 9, 255.	2.8	122
36	Modulation of gene expression in drug resistant <i>Leishmania</i> is associated with gene amplification, gene deletion and chromosome aneuploidy. <i>Genome Biology</i> , 2008, 9, R115.	9.6	140

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37	Deadenylation-independent stage-specific mRNA degradation in Leishmania. <i>Nucleic Acids Research</i> , 2008, 36, 1634-1644.	14.5	27
38	Members of a Large Retroposon Family Are Determinants of Post-Transcriptional Gene Expression in Leishmania. <i>PLoS Pathogens</i> , 2007, 3, e136.	4.7	87
39	Developmental regulation of gene expression in trypanosomatid parasitic protozoa. <i>Current Opinion in Microbiology</i> , 2007, 10, 569-577.	5.1	183
40	A recombinant non-pathogenic Leishmania vaccine expressing human immunodeficiency virus 1 (HIV-1) Gag elicits cell-mediated immunity in mice and decreases HIV-1 replication in human tonsillar tissue following exposure to HIV-1 infection. <i>Journal of General Virology</i> , 2007, 88, 217-225.	2.9	45
41	Prefractionation by Digitonin Extraction Increases Representation of the Cytosolic and Intracellular Proteome of <i>Leishmania infantum</i> . <i>Journal of Proteome Research</i> , 2006, 5, 1741-1750.	3.7	48
42	A combined proteomic and transcriptomic approach to the study of stage differentiation in <i>Leishmania infantum</i> . <i>Proteomics</i> , 2006, 6, 3567-3581.	2.2	148
43	In primary human monocyte-derived macrophages exposed to Human immunodeficiency virus type 1, does the increased intracellular growth of <i>Leishmania infantum</i> rely on its enhanced uptake?. <i>Journal of General Virology</i> , 2006, 87, 1295-1302.	2.9	22
44	Characterization and developmental gene regulation of a large gene family encoding amastin surface proteins in <i>Leishmania</i> spp.. <i>Molecular and Biochemical Parasitology</i> , 2005, 140, 205-220.	1.1	88
45	Role of the ABC Transporter MRPA (PGPA) in Antimony Resistance in <i>Leishmania infantum</i> Axenic and Intracellular Amastigotes. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 1988-1993.	3.2	125
46	Distinct 3' Untranslated Region Elements Regulate Stage-specific mRNA Accumulation and Translation in <i>Leishmania</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 35238-35246.	3.4	82
47	A Common Mechanism of Stage-regulated Gene Expression in <i>Leishmania</i> Mediated by a Conserved 3' Untranslated Region Element. <i>Journal of Biological Chemistry</i> , 2002, 277, 19511-19520.	3.4	115
48	A proteomic approach to identify developmentally regulated proteins in <i>Leishmania infantum</i> . <i>Proteomics</i> , 2002, 2, 1007.	2.2	107
49	The <i>Leishmania</i> ATP-binding Cassette Protein PGPA Is an Intracellular Metal-Thiol Transporter ATPase. <i>Journal of Biological Chemistry</i> , 2001, 276, 26301-26307.	3.4	205
50	DNA Transformation of <i>Leishmania infantum</i> Axenic Amastigotes and Their Use in Drug Screening. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 1168-1173.	3.2	102
51	Episomal and stable expression of the luciferase reporter gene for quantifying <i>Leishmania</i> spp. infections in macrophages and in animal models. <i>Molecular and Biochemical Parasitology</i> , 2000, 110, 195-206.	1.1	150
52	Chromosome structure and sequence organization between pathogenic and non-pathogenic <i>Leishmania</i> spp. <i>Molecular and Biochemical Parasitology</i> , 2000, 111, 401-414.	1.1	5
53	Developmental Regulation of Spliced Leader RNA Gene in <i>Leishmania donovani</i> Amastigotes Is Mediated by Specific Polyadenylation. <i>Journal of Biological Chemistry</i> , 1999, 274, 6602-6609.	3.4	44
54	Drug resistance in <i>Leishmania</i> : similarities and differences to other organisms. <i>Drug Resistance Updates</i> , 1998, 1, 266-278.	14.4	20

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55	Parameters controlling the rate of gene targeting frequency in the protozoan parasite Leishmania. Nucleic Acids Research, 1997, 25, 4278-4286.	14.5	60
56	Autonomous replication of bacterial DNA plasmid oligomers in Leishmania. Molecular and Biochemical Parasitology, 1994, 65, 39-49.	1.1	83
57	Frequent amplification of a short chain dehydrogenase gene as part of circular and linear amplicons in methortexate resistant Lesihmania. Nucleic Acids Research, 1993, 21, 4305-4312.	14.5	68