

Miguel Navarro

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

5,469
citations

257450

24
h-index

144013

57
g-index

58
all docs

58
docs citations

58
times ranked

11790
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	A pol I transcriptional body associated with VSG mono-allelic expression in <i>Trypanosoma brucei</i> . <i>Nature</i> , 2001, 414, 759-763.	27.8	304
3	New Compound Sets Identified from High Throughput Phenotypic Screening Against Three Kinetoplastid Parasites: An Open Resource. <i>Scientific Reports</i> , 2015, 5, 8771.	3.3	204
4	Autophagy in protists. <i>Autophagy</i> , 2011, 7, 127-158.	9.1	148
5	Rapamycin inhibits trypanosome cell growth by preventing TOR complex 2 formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14579-14584.	7.1	121
6	NUP-1 Is a Large Coiled-Coil Nucleoskeletal Protein in Trypanosomes with Lamin-Like Functions. <i>PLoS Biology</i> , 2012, 10, e1001287.	5.6	105
7	Regulation of vsg expression site transcription and switching in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1998, 91, 77-91.	1.1	97
8	<i>Trypanosoma brucei</i> variant surface glycoprotein regulation involves coupled activation/inactivation and chromatin remodeling of expression sites. <i>EMBO Journal</i> , 1999, 18, 2265-2272.	7.8	76
9	The molecular karyotype of the megabase chromosomes of <i>Trypanosoma brucei</i> stock 427. <i>Molecular and Biochemical Parasitology</i> , 2000, 111, 261-273.	1.1	73
10	Cohesin regulates <i>VSG</i> monoallelic expression in trypanosomes. <i>Journal of Cell Biology</i> , 2009, 186, 243-254.	5.2	73
11	Nuclear repositioning of the VSG promoter during developmental silencing in <i>Trypanosoma brucei</i> . <i>Journal of Cell Biology</i> , 2007, 176, 133-139.	5.2	71
12	Third target of rapamycin complex negatively regulates development of quiescence in <i>Trypanosoma brucei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14399-14404.	7.1	70
13	High-Throughput Screening Platform for Natural Product-Based Drug Discovery Against 3 Neglected Tropical Diseases: Human African Trypanosomiasis, Leishmaniasis, and Chagas Disease. <i>Journal of Biomolecular Screening</i> , 2015, 20, 82-91.	2.6	70
14	The Susceptibility of Trypanosomatid Pathogens to PI3/mTOR Kinase Inhibitors Affords a New Opportunity for Drug Repurposing. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1297.	3.0	70
15	SUMOylation by the E3 Ligase TbSIZ1/PIAS1 Positively Regulates VSG Expression in <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004545.	4.7	48
16	New tubulins in protozoal parasites. <i>Current Biology</i> , 2000, 10, R258-R259.	3.9	47
17	Identification and Characterization of Hundreds of Potent and Selective Inhibitors of <i>Trypanosoma brucei</i> Growth from a Kinase-Targeted Library Screening Campaign. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3253.	3.0	47
18	Nuclear architecture underlying gene expression in <i>Trypanosoma brucei</i> . <i>Trends in Microbiology</i> , 2007, 15, 263-270.	7.7	45

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19	The AMPK \pm 1 Pathway Positively Regulates the Developmental Transition from Proliferation to Quiescence in <i>Trypanosoma brucei</i> . <i>Cell Reports</i> , 2016, 17, 660-670.	6.4	44
20	Target of Rapamycin (TOR)-like 1 Kinase Is Involved in the Control of Polyphosphate Levels and Acidocalcisome Maintenance in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 24131-24140.	3.4	43
21	In situ analysis of a variant surface glycoprotein expression-site promoter region in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1998, 94, 53-66.	1.1	40
22	Establishment of a Structure-Activity Relationship of 1 <i>H</i> -Imidazo[4,5- <i>c</i>]quinoline-Based Kinase Inhibitor NVP-BEZ235 as a Lead for African Sleeping Sickness. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4834-4848.	6.4	35
23	Trypanosome TOR as a major regulator of cell growth and autophagy. <i>Autophagy</i> , 2009, 5, 256-258.	9.1	30
24	Identification of "Preferred" Human Kinase Inhibitors for Sleeping Sickness Lead Discovery. Are Some Kinases Better than Others for Inhibitor Repurposing?. <i>ACS Infectious Diseases</i> , 2016, 2, 180-186.	3.8	28
25	Autophagic-related cell death of <i>Trypanosoma brucei</i> induced by bacteriocin AS-48. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 203-212.	3.4	27
26	Target of rapamycin (TOR) kinase in <i>Trypanosoma brucei</i> : an extended family. <i>Biochemical Society Transactions</i> , 2013, 41, 934-938.	3.4	26
27	Targeted disruption of expression site-associated gene-1 in bloodstream-form <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1996, 81, 65-79.	1.1	24
28	Defeating <i>Leishmania</i> resistance to Miltefosine (hexadecylphosphocholine) by peptide-mediated drug smuggling: A proof of mechanism for trypanosomatid chemotherapy. <i>Journal of Controlled Release</i> , 2012, 161, 835-842.	9.9	24
29	Co-dependence between trypanosome nuclear lamina components in nuclear stability and control of gene expression. <i>Nucleic Acids Research</i> , 2016, 44, 10554-10570.	14.5	23
30	Increased uracil insertion in DNA is cytotoxic and increases the frequency of mutation, double strand break formation and VSG switching in <i>Trypanosoma brucei</i> . <i>DNA Repair</i> , 2012, 11, 986-995.	2.8	21
31	Molecular evidence of a <i>Trypanosoma brucei gambiense</i> sylvatic cycle in the human african trypanosomiasis foci of Equatorial Guinea. <i>Frontiers in Microbiology</i> , 2015, 6, 765.	3.5	20
32	Conditional expression of glycosylphosphatidylinositol phospholipase C in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1999, 103, 35-48.	1.1	19
33	Trypanosome TOR complex 2 functions in cytokinesis. <i>Cell Cycle</i> , 2009, 8, 697-699.	2.6	19
34	From Cells to Mice to Target: Characterization of NEU-1053 (SB-443342) and Its Analogues for Treatment of Human African Trypanosomiasis. <i>ACS Infectious Diseases</i> , 2017, 3, 225-236.	3.8	19
35	Inverted repeat structure and homologous sequences in the LD1 amplicons of <i>Leishmania</i> spp.. <i>Molecular and Biochemical Parasitology</i> , 1994, 68, 69-80.	1.1	18
36	The identification of circular extrachromosomal DNA in the nuclear genome of <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2003, 47, 277-289.	2.5	18

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37	Trypanosomes lacking uracil-DNA glycosylase are hypersensitive to antifolates and present a mutator phenotype. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1555-1568.	2.8	18
38	Dynamics and size polymorphisms of minichromosomes in <i>Leishmania major</i> LV-561 cloned lines. <i>Molecular and Biochemical Parasitology</i> , 1992, 55, 65-74.	1.1	16
39	RNA pol II subunit RPB7 is required for RNA pol II-mediated transcription in <i>Trypanosoma brucei</i> . <i>EMBO Reports</i> , 2009, 10, 252-257.	4.5	16
40	Carbohydrate-Binding Non-Peptidic Pradimicins for the Treatment of Acute Sleeping Sickness in Murine Models. <i>PLoS Pathogens</i> , 2016, 12, e1005851.	4.7	16
41	SUMOylated SNF2PH promotes variant surface glycoprotein expression in bloodstream trypanosomes. <i>EMBO Reports</i> , 2019, 20, e48029.	4.5	15
42	Localization of serum resistance-associated protein in <i>Trypanosoma brucei rhodesiense</i> and transgenic <i>Trypanosoma brucei brucei</i> . <i>Cellular Microbiology</i> , 2015, 17, 1523-1535.	2.1	13
43	Identification of sequence-specific promoters driving polycistronic transcription initiation by RNA polymerase II in trypanosomes. <i>Cell Reports</i> , 2022, 38, 110221.	6.4	13
44	Location in the source chromosome of the 180-kb minichromosome of <i>Leishmania major</i> and characterization of the novel junction. <i>Molecular and Biochemical Parasitology</i> , 1995, 71, 153-161.	1.1	11
45	Hit-to-Lead Optimization of Benzoxazepinoindazoles As Human African Trypanosomiasis Therapeutics. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2527-2546.	6.4	11
46	<i>Glossina palpalis palpalis</i> populations from Equatorial Guinea belong to distinct allopatric clades. <i>Parasites and Vectors</i> , 2014, 7, 31.	2.5	10
47	Selectivity and Physicochemical Optimization of Repurposed Pyrazolo[1,5- <i>b</i>]pyridazines for the Treatment of Human African Trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 756-783.	6.4	10
48	Diamine and aminoalcohol derivatives active against <i>Trypanosoma brucei</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 440-443.	2.2	8
49	<i>Trypanosoma brucei gambiense</i> Adaptation to Different Mammalian Sera Is Associated with VSG Expression Site Plasticity. <i>PLoS ONE</i> , 2013, 8, e85072.	2.5	8
50	Lead Optimization of 3,5-Disubstituted-7-Azaindoles for the Treatment of Human African Trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9404-9430.	6.4	6
51	The protozoan nucleus. <i>Molecular and Biochemical Parasitology</i> , 2016, 209, 76-87.	1.1	5
52	Novel 1,2-dihydroquinazolin-2-ones: Design, synthesis, and biological evaluation against <i>Trypanosoma brucei</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3629-3635.	2.2	5
53	Involvement in surface antigen expression by a moonlighting FG-repeat nucleoporin in trypanosomes. <i>Molecular Biology of the Cell</i> , 2018, 29, 1100-1110.	2.1	5
54	Medicinal Chemistry Optimization of a Diaminopurine Chemotype: Toward a Lead for <i>Trypanosoma brucei</i> Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9912-9927.	6.4	5

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55	Evaluation of a class of isatinoids identified from a high-throughput screen of human kinase inhibitors as anti-Sleeping Sickness agents. PLoS Neglected Tropical Diseases, 2019, 13, e0007129.	3.0	4
56	Structure–property studies of an imidazoquinoline chemotype with antitrypanosomal activity. RSC Medicinal Chemistry, 2020, 11, 950-959.	3.9	3
57	Role of RPB7 in RNA pol I transcription in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2011, 180, 43-44.	1.1	2
58	Cohesin regulates <i>VSG</i> monoallelic expression in trypanosomes. Journal of Experimental Medicine, 2009, 206, i17-i17.	8.5	0