

Bart Cuypers

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,280
citations

430874

18
h-index

395702

33
g-index

46
all docs

46
docs citations

46
times ranked

1846
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of Aneuploidy in <i>Leishmania donovani</i> during Adaptation to Different <i>In Vitro</i> and <i>In Vivo</i> Environments and Its Impact on Gene Expression. <i>MBio</i> , 2017, 8, .	4.1	157
2	Evolutionary genomics of epidemic visceral leishmaniasis in the Indian subcontinent. <i>ELife</i> , 2016, 5, .	6.0	147
3	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	8.0	81
4	Genomic and Molecular Characterization of Miltefosine Resistance in <i>Leishmania infantum</i> Strains with Either Natural or Acquired Resistance through Experimental Selection of Intracellular Amastigotes. <i>PLoS ONE</i> , 2016, 11, e0154101.	2.5	80
5	On the feasibility of mining CD8+ T cell receptor patterns underlying immunogenic peptide recognition. <i>Immunogenetics</i> , 2018, 70, 159-168.	2.4	64
6	Auranofin reveals therapeutic anticancer potential by triggering distinct molecular cell death mechanisms and innate immunity in mutant p53 non-small cell lung cancer. <i>Redox Biology</i> , 2021, 42, 101949.	9.0	63
7	Relapse after Treatment with Miltefosine for Visceral Leishmaniasis Is Associated with Increased Infectivity of the Infecting <i>Leishmania donovani</i> Strain. <i>MBio</i> , 2013, 4, e00611-13.	4.1	57
8	Molecular Preadaptation to Antimony Resistance in <i>Leishmania donovani</i> on the Indian Subcontinent. <i>MSphere</i> , 2018, 3, .	2.9	57
9	APOL1 C-Terminal Variants May Trigger Kidney Disease through Interference with APOL3 Control of Actomyosin. <i>Cell Reports</i> , 2020, 30, 3821-3836.e13.	6.4	50
10	Metabolic adaptations of <i>Leishmania donovani</i> in relation to differentiation, drug resistance, and drug pressure. <i>Molecular Microbiology</i> , 2013, 90, 428-442.	2.5	48
11	Experimental Resistance to Drug Combinations in <i>Leishmania donovani</i> : Metabolic and Phenotypic Adaptations. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2242-2255.	3.2	47
12	LC-MS METABOLOMICS FROM STUDY DESIGN TO DATA-ANALYSIS â€” USING A VERSATILE PATHOGEN AS A TEST CASE. <i>Computational and Structural Biotechnology Journal</i> , 2013, 4, e201301002.	4.1	39
13	Macromolecular biosynthetic parameters and metabolic profile in different life stages of <i>Leishmania braziliensis</i> : Amastigotes as a functionally less active stage. <i>PLoS ONE</i> , 2017, 12, e0180532.	2.5	35
14	Gairo virus, a novel arenavirus of the widespread <i>Mastomys natalensis</i> : Genetically divergent, but ecologically similar to Lassa and Morogoro viruses. <i>Virology</i> , 2015, 476, 249-256.	2.4	34
15	Genome-Wide SNP Analysis Reveals Distinct Origins of <i>Trypanosoma evansi</i> and <i>Trypanosoma equiperdum</i> . <i>Genome Biology and Evolution</i> , 2017, 9, 1990-1997.	2.5	33
16	Integrated genomic and metabolomic profiling of ISC1, an emerging <i>Leishmania donovani</i> population in the Indian subcontinent. <i>Infection, Genetics and Evolution</i> , 2018, 62, 170-178.	2.3	32
17	Multiplexed Spliced-Leader Sequencing: A high-throughput, selective method for RNA-seq in Trypanosomatids. <i>Scientific Reports</i> , 2017, 7, 3725.	3.3	24
18	Toxicogenomics of the flame retardant tris (2-butoxyethyl) phosphate in HepG2 cells using RNA-seq. <i>Toxicology in Vitro</i> , 2018, 46, 178-188.	2.4	21

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19	Nanopore Sequencing for Mycobacterium tuberculosis: a Critical Review of the Literature, New Developments, and Future Opportunities. <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0064621.	3.9	21
20	Ferroptosis Induction in Multiple Myeloma Cells Triggers DNA Methylation and Histone Modification Changes Associated with Cellular Senescence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12234.	4.1	20
21	Apolipoprotein L1 Variant Associated with Increased Susceptibility to Trypanosome Infection. <i>MBio</i> , 2016, 7, e02198-15.	4.1	18
22	Tackling Drug Resistance and Other Causes of Treatment Failure in Leishmaniasis. <i>Frontiers in Tropical Diseases</i> , 2022, 3, .	1.4	17
23	Host transcriptomic signature as alternative test-of-cure in visceral leishmaniasis patients co-infected with HIV. <i>EBioMedicine</i> , 2020, 55, 102748.	6.1	16
24	The effect of local non-thermal plasma therapy on the cancer-immunity cycle in a melanoma mouse model. <i>Bioengineering and Translational Medicine</i> , 2022, 7, .	7.1	15
25	Covalent Cysteine Targeting of Bruton's Tyrosine Kinase (BTK) Family by Withaferin-A Reduces Survival of Glucocorticoid-Resistant Multiple Myeloma MM1 Cells. <i>Cancers</i> , 2021, 13, 1618.	3.7	10
26	Reflections on a journey: a retrospective of the ISCB Student Council symposium series. <i>BMC Bioinformatics</i> , 2018, 19, 347.	2.6	9
27	The Absence of C-5 DNA Methylation in <i>Leishmania donovani</i> Allows DNA Enrichment from Complex Samples. <i>Microorganisms</i> , 2020, 8, 1252.	3.6	9
28	Sorted B cell transcriptomes point towards actively regulated B cell responses during ongoing chronic hepatitis B infections. <i>Cellular Immunology</i> , 2021, 362, 104283.	3.0	9
29	A targeted multi-omics approach reveals paraoxonase-1 as a determinant of obesity-associated fatty liver disease. <i>Clinical Epigenetics</i> , 2021, 13, 158.	4.1	9
30	Global network of computational biology communities: ISCB's Regional Student Groups breaking barriers. <i>F1000Research</i> , 2019, 8, 1574.	1.6	8
31	Characterization of acquired nutlin-3 resistant non-small cell lung cancer cells. , 2021, 4, 233-243.		6
32	HLA-DRB1 Alleles Associated with Lower Leishmaniasis Susceptibility Share Common Amino Acid Polymorphisms and Epitope Binding Repertoires. <i>Vaccines</i> , 2021, 9, 270.	4.4	5
33	Genomic and Phenotypic Characterization of Experimentally Selected Resistant <i>Leishmania donovani</i> Reveals a Role for Dynamin-1-Like Protein in the Mechanism of Resistance to a Novel Antileishmanial Compound. <i>MBio</i> , 2022, 13, e0326421.	4.1	5
34	Variants in Bedaquiline-Candidate-Resistance Genes: Prevalence in Bedaquiline-Naive Patients, Effect on MIC, and Association with Mycobacterium tuberculosis Lineage. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, .	3.2	5
35	Highlights from the 11th ISCB Student Council Symposium 2015. <i>BMC Bioinformatics</i> , 2016, 17, 95.	2.6	4
36	Transcriptome profiling of HepG2 cells exposed to the flame retardant 9,10-dihydro-9-oxa-10-phosphaphenanthrene 10-oxide (DOPO). <i>Toxicology Research</i> , 2018, 7, 492-502.	2.1	4

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37	Highlights from the 16th International Society for Computational Biology Student Council Symposium 2020. F1000Research, 2021, 10, 443.	1.6	4
38	Highlights from the ISCB Student Council Symposia in 2016. F1000Research, 2016, 5, 2852.	1.6	4
39	Fractionated irradiation of <scp>MCF7</scp> breast cancer cells rewires a gene regulatory circuit towards a treatmentâ€resistant stemness phenotype. Molecular Oncology, 2022, 16, 3410-3435.	4.6	2
40	Constrained Standardization of Count Data from Massive Parallel Sequencing. Journal of Molecular Biology, 2021, 433, 166966.	4.2	1