

Benoit Vanhollebeke

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

4,491
citations

257450

24
h-index

302126

39
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48
all docs

48
docs citations

48
times ranked

5785
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Trypanolytic ApoL1 Variants with Kidney Disease in African Americans. <i>Science</i> , 2010, 329, 841-845.	12.6	1,725
2	Apolipoprotein L-I Promotes Trypanosome Lysis by Forming Pores in Lysosomal Membranes. <i>Science</i> , 2005, 309, 469-472.	12.6	290
3	A Haptoglobin-Hemoglobin Receptor Conveys Innate Immunity to <i>Trypanosoma brucei</i> in Humans. <i>Science</i> , 2008, 320, 677-681.	12.6	230
4	Tip cell-specific requirement for an atypical Gpr124- and Reck-dependent Wnt/ β -catenin pathway during brain angiogenesis. <i>ELife</i> , 2015, 4, .	6.0	182
5	A molecular mechanism for Wnt ligand-specific signaling. <i>Science</i> , 2018, 361, .	12.6	169
6	The trypanolytic factor of human serum. <i>Nature Reviews Microbiology</i> , 2006, 4, 477-486.	28.6	167
7	Human <i>Trypanosoma evansi</i> Infection Linked to a Lack of Apolipoprotein L-I. <i>New England Journal of Medicine</i> , 2006, 355, 2752-2756.	27.0	162
8	Mechanism of <i>Trypanosoma brucei</i> gambiense resistance to human serum. <i>Nature</i> , 2013, 501, 430-434.	27.8	150
9	Evolutionary genomics of epidemic visceral leishmaniasis in the Indian subcontinent. <i>ELife</i> , 2016, 5, .	6.0	147
10	Experimental therapy of African trypanosomiasis with a nanobody-conjugated human trypanolytic factor. <i>Nature Medicine</i> , 2006, 12, 580-584.	30.7	140
11	Crystal Structures of <i>Trypanosoma brucei</i> Sterol 14 α -Demethylase and Implications for Selective Treatment of Human Infections. <i>Journal of Biological Chemistry</i> , 2010, 285, 1773-1780.	3.4	111
12	The trypanolytic factor of human serum: many ways to enter the parasite, a single way to kill. <i>Molecular Microbiology</i> , 2010, 76, 806-814.	2.5	108
13	The molecular arms race between African trypanosomes and humans. <i>Nature Reviews Microbiology</i> , 2014, 12, 575-584.	28.6	101
14	C-Terminal Mutants of Apolipoprotein L-I Efficiently Kill Both <i>Trypanosoma brucei brucei</i> and <i>Trypanosoma brucei rhodesiense</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000685.	4.7	88
15	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. <i>Science</i> , 2022, 375, eabm4459.	12.6	67
16	Wnt/ β -catenin signaling regulates VE-cadherin-mediated anastomosis of brain capillaries by counteracting S1pr1 signaling. <i>Nature Communications</i> , 2018, 9, 4860.	12.8	66
17	Distinct roles of haptoglobin-related protein and apolipoprotein L-I in trypanolysis by human serum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4118-4123.	7.1	64
18	Low wnt/ β -catenin signaling determines leaky vessels in the subfornical organ and affects water homeostasis in mice. <i>ELife</i> , 2019, 8, .	6.0	60

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19	Human innate immunity against African trypanosomes. <i>Current Opinion in Immunology</i> , 2009, 21, 493-498.	5.5	58
20	Distinct myocardial lineages break atrial symmetry during cardiogenesis in zebrafish. <i>ELife</i> , 2018, 7, .	6.0	36
21	Mutual self-defence: the trypanolytic factor story. <i>Microbes and Infection</i> , 2008, 10, 985-989.	1.9	35
22	Apolipoproteins L control cell death triggered by TLR3/TRIF signaling in dendritic cells. <i>European Journal of Immunology</i> , 2016, 46, 1854-1866.	2.9	35
23	Human Serum Lyses <i>Trypanosoma brucei</i> by Triggering Uncontrolled Swelling of the Parasite Lysosome. <i>Journal of Eukaryotic Microbiology</i> , 2007, 54, 448-451.	1.7	30
24	The <i>Trypanosoma brucei</i> TbHrg protein is a heme transporter involved in the regulation of stage-specific morphological transitions. <i>Journal of Biological Chemistry</i> , 2017, 292, 6998-7010.	3.4	27
25	APOLs with low pH dependence can kill all African trypanosomes. <i>Nature Microbiology</i> , 2017, 2, 1500-1506.	13.3	27
26	Biallelic mutations in nucleoporin NUP88 cause lethal fetal akinesia deformation sequence. <i>PLoS Genetics</i> , 2018, 14, e1007845.	3.5	26
27	Discovery of an ergosterol-signaling factor that regulates <i>Trypanosoma brucei</i> growth. <i>Journal of Lipid Research</i> , 2015, 56, 331-341.	4.2	24
28	EVL regulates VEGF receptor α 2 internalization and signaling in developmental angiogenesis. <i>EMBO Reports</i> , 2021, 22, e48961.	4.5	19
29	Translational profiling through biotinylation of tagged ribosomes in zebrafish. <i>Development (Cambridge)</i> , 2014, 141, 3988-3993.	2.5	18
30	Naloxonazine, an Amastigote-Specific Compound, Affects <i>Leishmania</i> Parasites through Modulation of Host-Encoded Functions. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005234.	3.0	18
31	Cellular and Molecular Remodeling of the Endocytic Pathway during Differentiation of <i>Trypanosoma brucei</i> Bloodstream Forms. <i>Eukaryotic Cell</i> , 2010, 9, 1272-1282.	3.4	17
32	The expanding functional roles and signaling mechanisms of adhesion G protein-coupled receptors. <i>Annals of the New York Academy of Sciences</i> , 2019, 1456, 5-25.	3.8	16
33	Disruption of the Extracellular Matrix Progressively Impairs Central Nervous System Vascular Maturation Downstream of β -Catenin Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1432-1447.	2.4	14
34	Molecular insights into Adgra2/Gpr124 and Reck intracellular trafficking. <i>Biology Open</i> , 2016, 5, 1874-1881.	1.2	12
35	Adaptation of <i>Trypanosoma rhodesiense</i> to hypohaptoglobinaemic serum requires transcription of the APOL1 resistance gene in a RNA polymerase I locus. <i>Molecular Microbiology</i> , 2015, 97, 397-407.	2.5	8
36	Defective <i>adgra2</i> (<i>gpr124</i>) splicing and function in zebrafish <i>ouchless</i> mutants. <i>Development (Cambridge)</i> , 2017, 144, 8-11.	2.5	8

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37	An integrated model for Gpr124 function in Wnt7a/b signaling among vertebrates. Cell Reports, 2022, 39, 110902.	6.4	7
38	The Trypanosoma Brucei KIFC1 Kinesin Ensures the Fast Antibody Clearance Required for Parasite Infectivity. IScience, 2020, 23, 101476.	4.1	6