Nicolas Fasel

List of Publications by Year
in descending order

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94 papers	3,860 citations	109321 35 h-index	138484 58 g-index
96 all docs	96 docs citations	96 times ranked	4207 citing authors

#	Article	IF	Citations
1	Leishmania RNA Virus Controls the Severity of Mucocutaneous Leishmaniasis. Science, 2011, 331, 775-778.	12.6	344
2	The proteolytic activity of the paracaspase MALT1 is key in T cell activation. Nature Immunology, 2008, 9, 272-281.	14.5	282
3	Cell death in Leishmania induced by stress and differentiation: programmed cell death or necrosis?. Cell Death and Differentiation, 2002, 9, 1126-1139.	11.2	141
4	Mild depolarization of the inner mitochondrial membrane is a crucial component of an anti-aging program. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6491-6501.	7.1	122
5	Leishmania RNA virus: when the host pays the toll. Frontiers in Cellular and Infection Microbiology, 2012, 2, 99.	3.9	118
6	Apoptotic markers in protozoan parasites. Parasites and Vectors, 2010, 3, 104.	2.5	113
7	Leishmania major metacaspase can replace yeast metacaspase in programmed cell death and has arginine-specific cysteine peptidase activity. International Journal for Parasitology, 2007, 37, 161-172.	3.1	112
8	Presence ofLeishmaniaRNA Virus 1 inLeishmania guyanensisIncreases the Risk of First-Line Treatment Failure and Symptomatic Relapse. Journal of Infectious Diseases, 2016, 213, 105-111.	4.0	104
9	An essential role for the Leishmania major metacaspase in cell cycle progression. Cell Death and Differentiation, 2008, 15, 113-122.	11.2	99
10	A protective cocktail vaccine against murine cutaneous leishmaniasis with DNA encoding cysteine proteinases of Leishmania major. Vaccine, 2001, 19, 3369-3375.	3.8	97
11	Targeting essential pathways in trypanosomatids gives insights into protozoan mechanisms of cell death. Parasites and Vectors, 2010, 3, 107.	2.5	97
12	Induction of macrophage nitric oxide production by interferon-Î³ and tumor necrosis factor-Î± is enhanced by interleukin-10. European Journal of Immunology, 1993, 23, 2045-2048.	2.9	90
13	Detection of Leishmania RNA Virus in Leishmania Parasites. PLoS Neglected Tropical Diseases, 2013, 7, e2006.	3.0	89
14	DNA methylation predicts age and provides insight into exceptional longevity of bats. Nature Communications, 2021, 12, 1615.	12.8	80
15	Leishmania aethiopica Field Isolates Bearing an Endosymbiontic dsRNA Virus Induce Pro-inflammatory Cytokine Response. PLoS Neglected Tropical Diseases, 2014, 8, e2836.	3.0	79
16	The immunological, environmental, and phylogenetic perpetrators of metastatic leishmaniasis. Trends in Parasitology, 2014, 30, 412-422.	3.3	72
17	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. Molecular Cell, 2020, 77, 927-929.	9.7	71
18	Immunization with H1, HASPB1 and MML Leishmania proteins in a vaccine trial against experimental canine leishmaniasis. Vaccine, 2007, 25, 5290-5300.	3.8	66

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19	Highly inducible synthesis of heterologous proteins in epithelial cells carrying a glucocorticoid-responsive vector. Gene, 1992, 111, 199-206.	2.2	60
20	Type I Interferon Drives Dendritic Cell Apoptosis via Multiple BH3-Only Proteins following Activation by PolyIC In Vivo. PLoS ONE, 2011, 6, e20189.	2.5	57
21	Identification of Leishmania major cysteine proteinases as targets of the immune response in humans. Molecular and Biochemical Parasitology, 2001, 113, 35-43.	1.1	56
22	Processing of metacaspase into a cytoplasmic catalytic domain mediating cell death in Leishmania major. Molecular Microbiology, 2011, 79, 222-239.	2.5	56
23	Nucleotide sequence of the 5â€² noncoding region and part of thegaggene of mouse mammary tumor virus; identification of the 5â€² splicing site for subgenomic mRNAs. Nucleic Acids Research, 1983, 11, 6943-6955.	14.5	53
24	Protection against Cutaneous Leishmaniasis in Outbred Vervet Monkeys, Using a Recombinant Histone H1 Antigen. Journal of Infectious Diseases, 2003, 188, 1250-1257.	4.0	50
25	Comparative protein profiling identifies elongation factor-1Î² and tryparedoxin peroxidase as factors associated with metastasis in Leishmania guyanensis. Molecular and Biochemical Parasitology, 2006, 145, 254-264.	1.1	50
26	Synthesis and immunological characterization of 104-mer and 102-mer peptides corresponding to the N- and C-terminal regions of the Plasmodium falciparum CS protein. Molecular Immunology, 1995, 32, 1301-1309.	2.2	49
27	The protective capacities of histone H1 against experimental murine cutaneous leishmaniasis. Vaccine, 1999, 18, 850-859.	3.8	47
28	Crossâ€presenting dendritic cells are required for control of <scp>L</scp>eishmania major infection. European Journal of Immunology, 2014, 44, 1422-1432.	2.9	46
29	Muco-cutaneous leishmaniasis in the New World. Virulence, 2011, 2, 547-552.	4.4	44
30	Systems Approach Reveals Nuclear Factor Erythroid 2-Related Factor 2/Protein Kinase R Crosstalk in Human Cutaneous Leishmaniasis. Frontiers in Immunology, 2017, 8, 1127.	4.8	44
31	Histone H1 expression varies during the Leishmania major life cycle. Molecular and Biochemical Parasitology, 1997, 84, 215-227.	1.1	41
32	Enhanced sensitivity detection of protein immobilization by fluorescent interference on oxidized silicon. Biosensors and Bioelectronics, 2003, 19, 457-464.	10.1	41
33	When bats are boxing: aggressive behaviour and communication in male Seba's short-tailed fruit bat. Animal Behaviour, 2014, 98, 149-156.	1.9	41
34	Are protozoan metacaspases potential parasite killers?. Parasites and Vectors, 2011, 4, 26.	2.5	40
35	Expression of cysteine proteinase type I and II of Leishmania infantum and their recognition by sera during canine and human visceral leishmaniasis. Experimental Parasitology, 2003, 103, 143-151.	1.2	38
36	Resistance to Oxidative Stress Is Associated with Metastasis in Mucocutaneous Leishmaniasis. Journal of Infectious Diseases, 2006, 194, 1160-1167.	4.0	37

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37	Plasmodium falciparum Metacaspase PfMCA-1 Triggers a z-VAD-fmk Inhibitable Protease to Promote Cell Death. PLoS ONE, 2011, 6, e23867.	2.5	37
38	Protein-binding site at the immunoglobulin mu membrane polyadenylylation signal: possible role in transcription termination.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 9160-9164.	7.1	35
39	Identification of a histone H1-like gene expressed in Leishmania major. Molecular and Biochemical Parasitology, 1993, 62, 321-323.	1.1	34
40	Cathepsin B-like and cell death in the unicellular human pathogen Leishmania. Cell Death and Disease, 2010, 1, e71-e71.	6.3	34
41	Role of Toll-Like Receptor 9 Signaling in Experimental Leishmania braziliensis Infection. Infection and Immunity, 2013, 81, 1575-1584.	2.2	34
42	Exacerbated Leishmaniasis Caused by a Viral Endosymbiont can be Prevented by Immunization with Its Viral Capsid. PLoS Neglected Tropical Diseases, 2017, 11, e0005240.	3.0	31
43	MyD88 and TLR9 Dependent Immune Responses Mediate Resistance to Leishmania guyanensis Infections, Irrespective of Leishmania RNA Virus Burden. PLoS ONE, 2014, 9, e96766.	2.5	30
44	Dictyostelium discoideum as an expression host for the circumsporozoite protein of Plasmodium falciparum. Gene, 1992, 111, 157-163.	2.2	29
45	Emerging Role for the PERK/eIF2Î±/ATF4 in Human Cutaneous Leishmaniasis. Scientific Reports, 2017, 7, 17074.	3.3	29
46	In vitro attachment of glycosyl-inositolphospholipid anchor structures to mouse Thy-1 antigen and human decay-accelerating factor.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 6858-6862.	7.1	28
47	TLR2 Signaling in Skin Nonhematopoietic Cells Induces Early Neutrophil Recruitment in Response to Leishmania major Infection. Journal of Investigative Dermatology, 2019, 139, 1318-1328.	0.7	28
48	The therapeutic potential of immune cross-talk in leishmaniasis. Clinical Microbiology and Infection, 2013, 19, 119-130.	6.0	27
49	Severe Cutaneous Leishmaniasis in a Human Immunodeficiency Virus Patient Coinfected with Leishmania braziliensis and Its Endosymbiotic Virus. American Journal of Tropical Medicine and Hygiene, 2016, 94, 840-843.	1.4	27
50	Diet Induced Modifications of Fatty-Acid Composition in Mealworm Larvae (Tenebrio molitor). Journal of Food Research, 2017, 6, 22.	0.3	27
51	Humoral and cellular immune responses against Type I cysteine proteinase of Leishmania infantum are higher in asymptomatic than symptomatic dogs selected from a naturally infected population. Veterinary Parasitology, 2004, 119, 107-123.	1.8	26
52	Genomic organization and gene expression in a chromosomal region of Leishmania major. Molecular and Biochemical Parasitology, 2004, 134, 233-243.	1.1	25
53	Viruses of protozoan parasites and viral therapy: Is the time now right?. Virology Journal, 2020, 17, 142.	3.4	22
54	Purification of recombinant proteins by chemical removal of the affinity tag. Applied Biochemistry and Biotechnology, 1998, 74, 95-103.	2.9	19

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55	Amazonian Phlebovirus (Bunyaviridae) potentiates the infection of Leishmania (Leishmania) amazonensis: Role of the PKR/IFN1/IL-10 axis. PLoS Neglected Tropical Diseases, 2019, 13, e0007500.	3.0	19
56	Leishmania major:Histone H1 Gene Expression from thesw3Locus. Experimental Parasitology, 1999, 91, 151-160.	1.2	17
57	Native-like, long synthetic peptides as components of sub-unit vaccines: practical and theoretical considerations for their use in humans. Molecular Immunology, 2001, 38, 415-422.	2.2	17
58	Sense and antisense transcripts in the histone H1 (HIS-1) locus of Leishmania major. International Journal for Parasitology, 2003, 33, 965-975.	3.1	16
59	Behind the Scenes: Nod-Like Receptor X1 Controls Inflammation and Metabolism. Frontiers in Cellular and Infection Microbiology, 2020, 10, 609812.	3.9	15
60	Importance of polyphosphate in the Leishmania life cycle. Microbial Cell, 2018, 5, 371-384.	3.2	15
61	Histone H1 regulates chromatin condensation in Leishmania parasites. Experimental Parasitology, 2007, 116, 83-87.	1.2	14
62	Electroejaculation and semen buffer evaluation in the microbat Carollia perspicillata. Theriogenology, 2015, 83, 904-910.	2.1	14
63	Type I signal peptidase from Leishmania is a target of the immune response in human cutaneous and visceral leishmaniasis. Molecular and Biochemical Parasitology, 2004, 135, 13-20.	1.1	13
64	Isolation from mouse fibroblasts of a cDNA encoding a new form of the fibroblast growth factor receptor (flg). Biochemical and Biophysical Research Communications, 1991, 178, 8-15.	2.1	12
65	Backseat drivers: the hidden influence of microbial viruses on disease. Current Opinion in Microbiology, 2012, 15, 538-545.	5.1	12
66	A recombinant rubella virus E1 glycoprotein as a rubella vaccine candidate. Vaccine, 2004, 23, 480-488.	3.8	11
67	The Dangerous Liaisons in the Oxidative Stress Response to Leishmania Infection. Pathogens, 2022, 11, 409.	2.8	11
68	Expression and one-step purification of Plasmodium proteins in Dictyostelium. Molecular and Biochemical Parasitology, 2000, 111, 377-390.	1.1	10
69	The activity of an insectivorous bat Neoromicia nana on tracks in logged and unlogged forest in tropical Africa. African Journal of Ecology, 2010, 48, 1083-1091.	0.9	10
70	Modification of sperm quality after sexual abstinence in Seba's short-tailed bat,Carollia perspicillata. Journal of Experimental Biology, 2016, 219, 1363-1368.	1.7	9
71	The criminal association of Leishmania parasites and viruses. Current Opinion in Microbiology, 2018, 46, 65-72.	5.1	8
72	Food restriction delays seasonal sexual maturation but does not increase torpor use in male bats. Journal of Experimental Biology, 2020, 223, .	1.7	7

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73	Translocation of the yeast Dolichol-phosphate-mannose synthase into microsomal membranes. Biochemical and Biophysical Research Communications, 1991, 174, 1337-1342.	2.1	6
74	Long Synthetic Peptides as Biologically Active Proteins: The Example of the Chemokines. Biologicals, 2001, 29, 259-263.	1.4	6
75	Unveiling the Role of the Integrated Endoplasmic Reticulum Stress Response in Leishmania Infection â€“ Future Perspectives. Frontiers in Immunology, 2016, 7, 283.	4.8	6
76	Alternative reproductive tactics and reproductive success in male Carollia perspicillata (Seba's) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	5
77	First cryopreservation of phyllostomid bat sperm. Theriogenology, 2019, 131, 28-31.	2.1	5
78	Morphological and physiological consequences of a dietary restriction during early life in bats. Behavioral Ecology, 2020, 31, 475-486.	2.2	5
79	Penis morphology facilitates identification of cryptic African bat species. Journal of Mammalogy, 2020, 101, 1392-1399.	1.3	5
80	Leishmania Parasite Quantification by Bioluminescence in Murine Models. Bio-protocol, 2019, 9, e3431.	0.4	5
81	Energy allocation shifts from sperm production to self-maintenance at low temperatures in male bats. Scientific Reports, 2022, 12, 2138.	3.3	5
82	A guide for ecologists to build a low-cost selective trap using radio frequency identification detection. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	4
83	T cell receptor Î² chain gene rearrangements and VÎ² gene usage in horse cytochromec-specific T cell hybridomas. European Journal of Immunology, 1987, 17, 657-661.	2.9	3
84	Membrane Î¼ poly(A) signal and 3â€² flanking sequences function as a transcription terminator for immunoglobulin-encoding genes. Gene, 1992, 122, 297-304.	2.2	3
85	Modification of sperm fatty acid composition during epididymal maturation in bats. Reproduction, 2019, 157, 77-85.	2.6	3
86	Experimental manipulation of reproductive tactics in Sebaâ€™s short-tailed bats: consequences on sperm quality and oxidative status. Environmental Epigenetics, 2019, 65, 609-616.	1.8	2
87	Viral Double-Stranded RNA Detection by DNase I and Nuclease S1 digestions in Leishmania parasites. Bio-protocol, 2020, 10, e3598.	0.4	2
88	Embryonic development of NMRI mice: relationship between the weight, age and ossification of embryos. Laboratory Animals, 1980, 14, 243-246.	1.0	1
89	Valuable carcasses: postmortem preservation of fatty acid composition in heart tissue. , 2019, 7, coz005.		1
90	Latrocimicinae completes the phylogeny of Cimicidae: meeting old morphologic data rather than modern host phylogeny. Parasites and Vectors, 2021, 14, 441.	2.5	1

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91	Minimal membrane and secreted Î¼ poly(A) signals specify developmentally-regulated immunoglobulin heavy chain mRNA ratios without RNA splicing. Molecular Immunology, 1994, 31, 563-566.	2.2	0
92	Raptor hunted by caspases. Cell Death and Disease, 2016, 7, e2242-e2242.	6.3	0
93	Malignant Peripheral Nerve Sheath Tumour in a Seba's Short-Tailed Bat (Carollia perspicillata). Journal of Comparative Pathology, 2021, 184, 72-76.	0.4	0
94	Assigning metabolic rate measurements to torpor and euthermy in heterothermic endotherms: â€˜torporâ€™, a new package for R. Biology Open, 2022, 11, .	1.2	0