BenoÃ®t Stijlemans

List of Publications by Year
in descending order

94	4,148	94433 37	123424 61
papers	citations	h-index	g-index

97	97	97	5204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Camelid immunoglobulins and nanobody technology. Veterinary Immunology and Immunopathology, 2009, 128, 178-183.	1.2	424
2	Efficient Targeting of Conserved Cryptic Epitopes of Infectious Agents by Single Domain Antibodies. Journal of Biological Chemistry, 2004, 279, 1256-1261.	3.4	238
3	M-CSF and GM-CSF Receptor Signaling Differentially Regulate Monocyte Maturation and Macrophage Polarization in the Tumor Microenvironment. Cancer Research, 2016, 76, 35-42.	0.9	184
4	1,25-Dihydroxyvitamin D3 curtails the inflammatory and T cell stimulatory capacity of macrophages through an IL-10-dependent mechanism. Immunobiology, 2012, 217, 1292-1300.	1.9	148
5	Experimental therapy of African trypanosomiasis with a nanobody-conjugated human trypanolytic factor. Nature Medicine, 2006, 12, 580-584.	30.7	140
6	Liver X receptors contribute to the protective immune response against Mycobacterium tuberculosis in mice. Journal of Clinical Investigation, 2009, 119, 1626-1637.	8.2	138
7	The Induction of a Type 1 Immune Response following a Trypanosoma brucei Infection Is MyD88 Dependent. Journal of Immunology, 2005, 175, 2501-2509.	0.8	131
8	Tip-DC Development during Parasitic Infection Is Regulated by IL-10 and Requires CCL2/CCR2, IFN-Î³ and MyD88 Signaling. PLoS Pathogens, 2010, 6, e1001045.	4.7	124
9	Immunogenicity Risk Profile of Nanobodies. Frontiers in Immunology, 2021, 12, 632687.	4.8	97
10	Antigen Binding and Solubility Effects upon the Veneering of a Camel VHH in Framework-2 to Mimic a VH. Journal of Molecular Biology, 2005, 350, 112-125.	4.2	90
11	Immune Evasion Strategies of Trypanosoma brucei within the Mammalian Host: Progression to Pathogenicity. Frontiers in Immunology, 2016, 7, 233.	4.8	72
12	Distinct Carbohydrate Recognition Domains of an Invertebrate Defense Molecule Recognize Gram-negative and Gram-positive Bacteria. Journal of Biological Chemistry, 2001, 276, 45840-45847.	3.4	71
13	Macrophages are metabolically heterogeneous within the tumor microenvironment. Cell Reports, 2021, 37, 110171.	6.4	69
14	A Glycosylphosphatidylinositol-Based Treatment Alleviates Trypanosomiasis-Associated Immunopathology. Journal of Immunology, 2007, 179, 4003-4014.	0.8	68
15	VSG-GPI anchors of African trypanosomes: their role in macrophage activation and induction of infection-associated immunopathology. Microbes and Infection, 2002, 4, 999-1006.	1.9	67
16	Role of iron homeostasis in trypanosomiasis-associated anemia. Immunobiology, 2008, 213, 823-835.	1.9	67
17	African Trypanosomiasis-Associated Anemia: The Contribution of the Interplay between Parasites and the Mononuclear Phagocyte System. Frontiers in Immunology, 2018, 9, 218.	4.8	67
18	P75 Tumor Necrosis Factorâ€“Receptor Shedding Occurs as a Protective Host Response during African Trypanosomiasis. Journal of Infectious Diseases, 2004, 189, 527-539.	4.0	66

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19	Expression and extracellular release of a functional anti-trypanosome NanobodyÂ® in Sodalis glossinidius, a bacterial symbiont of the tsetse fly. Microbial Cell Factories, 2012, 11, 23.	4.0	65
20	Parallel selection of multiple anti-infectome Nanobodies without access to purified antigens. Journal of Immunological Methods, 2008, 329, 138-150.	1.4	61
21	Inhibition of Staphylococcus epidermidis Biofilm Formation by Rabbit Polyclonal Antibodies against the SesC Protein. Infection and Immunity, 2009, 77, 3670-3678.	2.2	59
22	Tsetse Fly Saliva Accelerates the Onset of Trypanosoma brucei Infection in a Mouse Model Associated with a Reduced Host Inflammatory Response. Infection and Immunity, 2006, 74, 6324-6330.	2.2	58
23	High Affinity Nanobodies against the Trypanosome brucei VSG Are Potent Trypanolytic Agents that Block Endocytosis. PLoS Pathogens, 2011, 7, e1002072.	4.7	58
24	Attenuation ofTrypanosoma bruceiIs Associated with Reduced Immunosuppression and Concomitant Production of Th2 Lymphokines. Journal of Infectious Diseases, 2000, 181, 1110-1120.	4.0	57
25	African trypanosomosis: From immune escape and immunopathology to immune intervention. Veterinary Parasitology, 2007, 148, 3-13.	1.8	57
26	Vaccination with SesC Decreases Staphylococcus epidermidis Biofilm Formation. Infection and Immunity, 2012, 80, 3660-3668.	2.2	57
27	NK-, NKT- and CD8-Derived IFNÎ³ Drives Myeloid Cell Activation and Erythrophagocytosis, Resulting in Trypanosomosis-Associated Acute Anemia. PLoS Pathogens, 2015, 11, e1004964.	4.7	56
28	A Trypanosoma brucei Kinesin Heavy Chain Promotes Parasite Growth by Triggering Host Arginase Activity. PLoS Pathogens, 2013, 9, e1003731.	4.7	48
29	Origin and Functional Diversification of an Amphibian Defense Peptide Arsenal. PLoS Genetics, 2013, 9, e1003662.	3.5	47
30	Comparative Analysis of Antibody Responses against HSP60, Invariant Surface Glycoprotein 70, and Variant Surface Glycoprotein Reveals a Complex Antigen-Specific Pattern of Immunoglobulin Isotype Switching during Infection by Trypanosoma brucei. Infection and Immunity, 2000, 68, 848-860.	2.2	46
31	Current status of vaccination against African trypanosomiasis. Parasitology, 2010, 137, 2017-2027.	1.5	46
32	MIF Contributes to Trypanosoma brucei Associated Immunopathogenicity Development. PLoS Pathogens, 2014, 10, e1004414.	4.7	45
33	Macrophage dynamics are regulated by local macrophage proliferation and monocyte recruitment in injured pancreas. European Journal of Immunology, 2015, 45, 1482-1493.	2.9	45
34	Antibacterial activities of coagulase-negative staphylococci from bovine teat apex skin and their inhibitory effect on mastitis-related pathogens. Journal of Applied Microbiology, 2014, 116, 1084-1093.	3.1	43
35	The non-mammalian MIF superfamily. Immunobiology, 2017, 222, 473-482.	1.9	43
36	Using microdialysis to analyse the passage of monovalent nanobodies through the bloodâ€“brain barrier. British Journal of Pharmacology, 2012, 165, 2341-2353.	5.4	42

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37	The Central Role of Macrophages in Trypanosomiasis-Associated Anemia:Rationale for Therapeutical Approaches. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2010, 10, 71-82.	1.2	40
38	ILâ€10 limits production of pathogenic TNF by M1 myeloid cells through induction of nuclear NFâ€ÎºB p50 member in Trypanosoma congolense infectionâ€resistant C57BL/6 mice. European Journal of Immunology, 2011, 41, 3270-3280.	2.9	40
39	Similar inflammatory DC maturation signatures induced by TNF or Trypanosoma brucei antigens instruct default Th2â€cell responses. European Journal of Immunology, 2011, 41, 3479-3494.	2.9	37
40	Bacterial Lipoprotein-Based Vaccines Induce Tumor Necrosis Factor-Dependent Type 1 Protective Immunity against Leishmania major. Infection and Immunity, 2002, 70, 240-248.	2.2	35
41	Antibodyâ€mediated control of <scp>T</scp>rypanosoma vivax infection fails in the absence of tumour necrosis factor. Parasite Immunology, 2014, 36, 271-276.	1.5	34
42	Development of a pHrodo-Based Assay for the Assessment of In Vitro and In Vivo Erythrophagocytosis during Experimental Trypanosomosis. PLoS Neglected Tropical Diseases, 2015, 9, e0003561.	3.0	34
43	Control of Experimental Trypanosoma brucei Infections Occurs Independently of Lymphotoxin-Î± Induction. Infection and Immunity, 2002, 70, 1342-1351.	2.2	33
44	African Trypanosomes Undermine Humoral Responses and Vaccine Development: Link with Inflammatory Responses?. Frontiers in Immunology, 2017, 8, 582.	4.8	33
45	Neutrophils enhance early Trypanosoma brucei infection onset. Scientific Reports, 2018, 8, 11203.	3.3	33
46	Identification of a Parasitic Immunomodulatory Protein Triggering the Development of Suppressive M1 Macrophages during African Trypanosomiasis. Journal of Infectious Diseases, 2009, 200, 1849-1860.	4.0	31
47	Scrutinizing the mechanisms underlying the induction of anemia of inflammation through GPI-mediated modulation of macrophage activation in a model of African trypanosomiasis. Microbes and Infection, 2010, 12, 389-399.	1.9	30
48	An Anti-proteome Nanobody Library Approach Yields a Specific Immunoassay for Trypanosoma congolense Diagnosis Targeting Glycosomal Aldolase. PLoS Neglected Tropical Diseases, 2016, 10, e0004420.	3.0	30
49	E-cadherin expression in macrophages dampens their inflammatory responsiveness in vitro, but does not modulate M2-regulated pathologies in vivo. Scientific Reports, 2015, 5, 12599.	3.3	29
50	Dehydrin ERD14 activates glutathione transferase Phi9 in Arabidopsis thaliana under osmotic stress. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129506.	2.4	28
51	Monitoring liver macrophages using nanobodies targeting Vsig4: Concanavalin A induced acute hepatitis as paradigm. Immunobiology, 2015, 220, 200-209.	1.9	27
52	Novel halfâ€life extended antiâ€MIF nanobodies protect against endotoxic shock. FASEB Journal, 2018, 32, 3411-3422.	0.5	27
53	Generation of a Nanobody Targeting the Paraflagellar Rod Protein of Trypanosomes. PLoS ONE, 2014, 9, e115893.	2.5	26
54	Iron Homeostasis andTrypanosoma bruceiAssociated Immunopathogenicity Development: A Battle/Quest for Iron. BioMed Research International, 2015, 2015, 1-15.	1.9	26

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55	Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. Science Advances, 2021, 7, .	10.3	26
56	Understanding the role of monocytic cells in liver inflammation using parasite infection as a model. Immunobiology, 2009, 214, 737-747.	1.9	25
57	Molecular Imaging with Kupffer Cell-Targeting Nanobodies for Diagnosis and Prognosis in Mouse Models of Liver Pathogenesis. Molecular Imaging and Biology, 2017, 19, 49-58.	2.6	24
58	Evidence for proteins involved in prophenoloxidase cascade Eisenia fetida earthworms. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2006, 176, 581-587.	1.5	23
59	A Conserved Flagellar Pocket Exposed High Mannose Moiety Is Used by African Trypanosomes as a Host Cytokine Binding Molecule. Journal of Biological Chemistry, 2001, 276, 33458-33464.	3.4	22
60	The Possible Role of Staphylococcus epidermidis LPxTG Surface Protein SesC in Biofilm Formation. PLoS ONE, 2016, 11, e0146704.	2.5	22
61	MIF-Mediated Hemodilution Promotes Pathogenic Anemia in Experimental African Trypanosomosis. PLoS Pathogens, 2016, 12, e1005862.	4.7	20
62	Identification of Nanobodies against the Acute Myeloid Leukemia Marker CD33. International Journal of Molecular Sciences, 2020, 21, 310.	4.1	18
63	Nanobodies As Tools to Understand, Diagnose, and Treat African Trypanosomiasis. Frontiers in Immunology, 2017, 8, 724.	4.8	17
64	Development of a recombinase polymerase amplification lateral flow assay for the detection of active Trypanosoma evansi infections. PLoS Neglected Tropical Diseases, 2020, 14, e0008044.	3.0	16
65	Affinity Is an Important Determinant of the Anti-Trypanosome Activity of Nanobodies. PLoS Neglected Tropical Diseases, 2012, 6, e1902.	3.0	15
66	Tsetse Salivary Gland Proteins 1 and 2 Are High Affinity Nucleic Acid Binding Proteins with Residual Nuclease Activity. PLoS ONE, 2012, 7, e47233.	2.5	15
67	The Trypanosomal Transferrin Receptor of Trypanosoma Bruceiâ€"A Review. Tropical Medicine and Infectious Disease, 2019, 4, 126.	2.3	14
68	Lack of galectin-3 alleviates trypanosomiasis-associated anemia of inflammation. Immunobiology, 2010, 215, 833-841.	1.9	13
69	Reprint of: The non-mammalian MIF superfamily. Immunobiology, 2017, 222, 858-867.	1.9	12
70	MIF inhibition interferes with the inflammatory and T cell-stimulatory capacity of NOD macrophages and delays autoimmune diabetes onset. PLoS ONE, 2017, 12, e0187455.	2.5	12
71	A Critical Blimp-1-Dependent IL-10 Regulatory Pathway in T Cells Protects From a Lethal Pro-inflammatory Cytokine Storm During Acute Experimental Trypanosoma brucei Infection. Frontiers in Immunology, 2020, 11, 1085.	4.8	12
72	Low Structural Variation in the Host-Defense Peptide Repertoire of the Dwarf Clawed Frog Hymenochirus boettgeri (Pipidae). PLoS ONE, 2014, 9, e86339.	2.5	11

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73	Presence and regulation of insulin-regulated aminopeptidase in mouse macrophages. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2014, 15, 466-479.	1.7	11
74	Detrimental Effect ofTrypanosoma brucei bruceiInfection on Memory B Cells and Host Ability to Recall Protective B-cell Responses. Journal of Infectious Diseases, 2022, 226, 528-540.	4.0	10
75	Murine Liver Myeloid Cell Isolation Protocol. Bio-protocol, 2015, 5, .	0.4	9
76	The Road to Personalized Myeloma Medicine: Patient-specific Single-domain Antibodies for Anti-idiotypic Radionuclide Therapy. Molecular Cancer Therapeutics, 2022, 21, 159-169.	4.1	9
77	Hepatocyte-derived IL-10 plays a crucial role in attenuating pathogenicity during the chronic phase of T. congolense infection. PLoS Pathogens, 2020, 16, e1008170.	4.7	5
78	Detection of clinically relevant antibodies pretransplant and posttransplant with PRA-STAT. Transplantation Proceedings, 1997, 29, 330-332.	0.6	4
79	The anuran skin peptide bradykinin mediates its own absorption across epithelial barriers of the digestive tract. Peptides, 2018, 103, 84-89.	2.4	4
80	A New Family of Diverse Skin Peptides from the Microhylid Frog Genus Phrynomantis. Molecules, 2020, 25, 912.	3.8	4
81	The Role of MIF and IL-10 as Molecular Yin-Yang in the Modulation of the Host Immune Microenvironment During Infections: African Trypanosome Infections as a Paradigm. Frontiers in Immunology, 2022, 13, 865395.	4.8	3
82	Targeting the tsetse-trypanosome interplay using genetically engineered Sodalis glossinidius. PLoS Pathogens, 2022, 18, e1010376.	4.7	1
83	Differentiation, activation and function of CD11b+Ly6C+ TNF/iNOS-producing dendritic cells during parasitic infection. Cytokine, 2009, 48, 135.	3.2	0
84	Early Immunological Responses Upon Tsetse Flyâ€“Mediated Trypanosome Inoculation. , 2017, , 115-132.		0
85	Characterization of central macrophages in Anemia of Inflammation (AI): African trypanosomiasis as a model system. Frontiers in Immunology, 0, 4, .	4.8	0
86	African Trypanosomiasis as Paradigm for Involvement of the Mononuclear Phagocyte System in Pathogenicity During Parasite Infection. , 2014, , 349-374.		0
87	Title is missing!. , 2020, 14, e0008044.		0
88	Title is missing!. , 2020, 14, e0008044.		0
89	Title is missing!. , 2020, 14, e0008044.		0
90	Title is missing!. , 2020, 14, e0008044.		0

#	Article	IF	Citations
91	Title is missing!. , 2020, 16, e1008170.		0
92	Title is missing!. , 2020, 16, e1008170.		0
93	Title is missing!. , 2020, 16, e1008170.		0
94	Title is missing!. , 2020, 16, e1008170.		0