

Botta Alain

List of Publications by Year in descending order

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77
papers

6,817
citations

76326

40
h-index

71685

76
g-index

78
all docs

78
docs citations

78
times ranked

9108
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of discrete tumor-induced myeloid-derived suppressor cell subpopulations with distinct T cell-suppressive activity. <i>Blood</i> , 2008, 111, 4233-4244.	1.4	1,081
2	Bone marrow-derived monocytes give rise to self-renewing and fully differentiated Kupffer cells. <i>Nature Communications</i> , 2016, 7, 10321.	12.8	604
3	Stellate Cells, Hepatocytes, and Endothelial Cells Imprint the Kupffer Cell Identity on Monocytes Colonizing the Liver Macrophage Niche. <i>Immunity</i> , 2019, 51, 638-654.e9.	14.3	384
4	Classical and alternative activation of mononuclear phagocytes: Picking the best of both worlds for tumor promotion. <i>Immunobiology</i> , 2006, 211, 487-501.	1.9	309
5	Differential expression of FIZZ1 and Ym1 in alternatively versus classically activated macrophages. <i>Journal of Leukocyte Biology</i> , 2002, 71, 597-602.	3.3	302
6	Alternatively activated macrophages during parasite infections. <i>Trends in Parasitology</i> , 2004, 20, 126-133.	3.3	261
7	The Transcription Factor ZEB2 Is Required to Maintain the Tissue-Specific Identities of Macrophages. <i>Immunity</i> , 2018, 49, 312-325.e5.	14.3	172
8	Tumor Necrosis Factor Alpha Is a Key Mediator in the Regulation of Experimental <i>Trypanosoma brucei</i> Infections. <i>Infection and Immunity</i> , 1999, 67, 3128-3132.	2.2	164
9	Identification and Cloning of a Glucan- and Lipopolysaccharide-binding Protein from <i>Eisenia foetida</i> Earthworm Involved in the Activation of Prophenoloxidase Cascade. <i>Journal of Biological Chemistry</i> , 1998, 273, 24948-24954.	3.4	158
10	Identification of a common gene signature for type II cytokine-associated myeloid cells elicited in vivo in different pathologic conditions. <i>Blood</i> , 2006, 108, 575-583.	1.4	155
11	Specific Uptake of Tumor Necrosis Factor- α Is Involved in Growth Control of <i>Trypanosoma brucei</i> . <i>Journal of Cell Biology</i> , 1997, 137, 715-727.	5.2	140
12	Adenylate Cyclases of <i>Trypanosoma brucei</i> Inhibit the Innate Immune Response of the Host. <i>Science</i> , 2012, 337, 463-466.	12.6	130
13	Reactive Oxygen Species and 12/15-Lipoxygenase Contribute to the Antiproliferative Capacity of Alternatively Activated Myeloid Cells Elicited during Helminth Infection. <i>Journal of Immunology</i> , 2005, 174, 6095-6104.	0.8	126
14	Tip-DC Development during Parasitic Infection Is Regulated by IL-10 and Requires CCL2/CCR2, IFN- γ and MyD88 Signaling. <i>PLoS Pathogens</i> , 2010, 6, e1001045.	4.7	124
15	FIZZ1 and Ym as Tools to Discriminate between Differentially Activated Macrophages. <i>Autoimmunity</i> , 2002, 9, 151-159.	0.6	118
16	Relative Contribution of Interferon- γ and Interleukin-10 to Resistance to Murine African Trypanosomiasis. <i>Journal of Infectious Diseases</i> , 2001, 183, 1794-1800.	4.0	116
17	IL-10 Dampens TNF/Inducible Nitric Oxide Synthase-Producing Dendritic Cell-Mediated Pathogenicity during Parasitic Infection. <i>Journal of Immunology</i> , 2009, 182, 1107-1118.	0.8	108
18	Myeloid-derived suppressor cells in parasitic infections. <i>European Journal of Immunology</i> , 2010, 40, 2976-2985.	2.9	107

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19	Domains and Maturation Processes That Regulate the Activity of ADAMTS-2, a Metalloproteinase Cleaving the Aminopropeptide of Fibrillar Procollagens Types III and V. <i>Journal of Biological Chemistry</i> , 2005, 280, 34397-34408.	3.4	98
20	Alternatively Activated Myeloid Cells Limit Pathogenicity Associated with African Trypanosomiasis through the IL-10 Inducible Gene Selenoprotein P. <i>Journal of Immunology</i> , 2008, 180, 6168-6175.	0.8	92
21	Alternatively activated macrophages in protozoan infections. <i>Current Opinion in Immunology</i> , 2007, 19, 454-459.	5.5	85
22	Identification of a cytolytic protein in the coelomic fluid of <i>Eisenia foetida</i> earthworms. <i>Immunology Letters</i> , 1995, 45, 123-128.	2.5	82
23	African Trypanosomiasis: Naturally Occurring Regulatory T Cells Favor Trypanotolerance by Limiting Pathology Associated with Sustained Type 1 Inflammation. <i>Journal of Immunology</i> , 2007, 179, 2748-2757.	0.8	81
24	Characterization and Partial Amino Acid Sequencing of a 107-kDa Procollagen I N-Proteinase Purified by Affinity Chromatography on Immobilized Type XIV Collagen. <i>Journal of Biological Chemistry</i> , 1995, 270, 16724-16730.	3.4	78
25	Myeloid-Derived Suppressor Cells Infiltrate the Heart in Acute <i>Trypanosoma cruzi</i> Infection. <i>Journal of Immunology</i> , 2011, 187, 2656-2665.	0.8	74
26	Alternative versus classical macrophage activation during experimental African trypanosomosis. <i>International Journal for Parasitology</i> , 2001, 31, 575-587.	3.1	73
27	Exosites mediate the anti-inflammatory effects of a multifunctional serpin from the saliva of the tick <i>Ixodes ricinus</i> . <i>FEBS Journal</i> , 2009, 276, 3235-3246.	4.7	73
28	Convergent evolution of cytokines. <i>Nature</i> , 1999, 400, 627-628.	27.8	71
29	Distinct Carbohydrate Recognition Domains of an Invertebrate Defense Molecule Recognize Gram-negative and Gram-positive Bacteria. <i>Journal of Biological Chemistry</i> , 2001, 276, 45840-45847.	3.4	71
30	Antimicrobial defense of the earthworm. <i>Folia Microbiologica</i> , 2000, 45, 283-300.	2.3	62
31	Infection Stage-Dependent Modulation of Macrophage Activation in <i>Trypanosoma congolense</i> -Resistant and -Susceptible Mice. <i>Infection and Immunity</i> , 2002, 70, 6180-6187.	2.2	62
32	Attenuation of <i>Trypanosoma brucei</i> Associated with Reduced Immunosuppression and Concomitant Production of Th2 Lymphokines. <i>Journal of Infectious Diseases</i> , 2000, 181, 1110-1120.	4.0	57
33	African trypanosomiasis: From immune escape and immunopathology to immune intervention. <i>Veterinary Parasitology</i> , 2007, 148, 3-13.	1.8	57
34	<i>Trypanosoma brucei</i> infection elicits nitric oxide-dependent and nitric oxide-independent suppressive mechanisms. <i>Journal of Leukocyte Biology</i> , 1998, 63, 429-439.	3.3	53
35	Cellular expression of the cytolytic factor in earthworms <i>Eisenia foetida</i> . <i>Immunology Letters</i> , 1998, 60, 23-29.	2.5	48
36	A <i>Trypanosoma brucei</i> Kinesin Heavy Chain Promotes Parasite Growth by Triggering Host Arginase Activity. <i>PLoS Pathogens</i> , 2013, 9, e1003731.	4.7	48

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37	IL1 β Promotes Immune Suppression in the Tumor Microenvironment Independent of the Inflammasome and Gasdermin D. <i>Cancer Immunology Research</i> , 2021, 9, 309-323.	3.4	48
38	Antiprotozoan and Antiviral Activities of Non-Cytotoxic Truncated and Variant Analogues of Mussel Defensin. <i>Evidence-based Complementary and Alternative Medicine</i> , 2004, 1, 167-174.	1.2	46
39	MIF Contributes to <i>Trypanosoma brucei</i> Associated Immunopathogenicity Development. <i>PLoS Pathogens</i> , 2014, 10, e1004414.	4.7	45
40	Ly6C ⁻ Monocytes Regulate Parasite-Induced Liver Inflammation by Inducing the Differentiation of Pathogenic Ly6C ⁺ Monocytes into Macrophages. <i>PLoS Pathogens</i> , 2015, 11, e1004873.	4.7	45
41	Experimental Expansion of the Regulatory T Cell Population Increases Resistance to African Trypanosomiasis. <i>Journal of Infectious Diseases</i> , 2008, 198, 781-791.	4.0	44
42	African trypanosome control in the insect vector and mammalian host. <i>Trends in Parasitology</i> , 2014, 30, 538-547.	3.3	43
43	Effect of experimental microbial challenge on the expression of defense molecules in <i>Eisenia foetida</i> earthworm. <i>Developmental and Comparative Immunology</i> , 2004, 28, 701-711.	2.3	40
44	The Central Role of Macrophages in Trypanosomiasis-Associated Anemia: Rationale for Therapeutical Approaches. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2010, 10, 71-82.	1.2	40
45	IL-10 limits production of pathogenic TNF by M1 myeloid cells through induction of nuclear NF- κ B p50 member in <i>Trypanosoma congolense</i> infection-resistant C57BL/6 mice. <i>European Journal of Immunology</i> , 2011, 41, 3270-3280.	2.9	40
46	The role of hepatic macrophages in liver metastasis. <i>Cellular Immunology</i> , 2018, 330, 202-215.	3.0	39
47	Similar inflammatory DC maturation signatures induced by TNF or <i>Trypanosoma brucei</i> antigens instruct default Th2 cell responses. <i>European Journal of Immunology</i> , 2011, 41, 3479-3494.	2.9	37
48	<i>Trypanosoma brucei brucei</i> infection impairs MHC class II antigen presentation capacity of macrophages. <i>Parasite Immunology</i> , 2000, 22, 361-370.	1.5	32
49	Identification of a Parasitic Immunomodulatory Protein Triggering the Development of Suppressive M1 Macrophages during African Trypanosomiasis. <i>Journal of Infectious Diseases</i> , 2009, 200, 1849-1860.	4.0	31
50	Mycobacterial proliferation in macrophages is prevented by incubation with lymphocytes activated in vitro with a mycobacterial antigen complex. <i>European Journal of Immunology</i> , 1991, 21, 793-797.	2.9	29
51	<i>Trypanosoma cruzi</i> is lysed by coelomic cytolytic factor-1, an invertebrate analogue of tumor necrosis factor, and induces phenoloxidase activity in the coelomic fluid of <i>Eisenia foetida foetida</i> . <i>Developmental and Comparative Immunology</i> , 2002, 26, 27-34.	2.3	29
52	Involvement of connexin43 in acetaminophen-induced liver injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1111-1121.	3.8	29
53	Relationship between hemolytic molecules in <i>Eisenia fetida</i> earthworms. <i>Developmental and Comparative Immunology</i> , 2006, 30, 381-392.	2.3	28
54	Monitoring liver macrophages using nanobodies targeting Vsig4: Concanavalin A induced acute hepatitis as paradigm. <i>Immunobiology</i> , 2015, 220, 200-209.	1.9	27

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55	Iron Homeostasis and <i>Trypanosoma brucei</i> Associated Immunopathogenicity Development: A Battle/Quest for Iron. <i>BioMed Research International</i> , 2015, 2015, 1-15.	1.9	26
56	Comparative study of the CCF-like pattern recognition protein in different Lumbricid species. <i>Developmental and Comparative Immunology</i> , 2006, 30, 765-771.	2.3	25
57	Understanding the role of monocytic cells in liver inflammation using parasite infection as a model. <i>Immunobiology</i> , 2009, 214, 737-747.	1.9	25
58	Molecular Imaging with Kupffer Cell-Targeting Nanobodies for Diagnosis and Prognosis in Mouse Models of Liver Pathogenesis. <i>Molecular Imaging and Biology</i> , 2017, 19, 49-58.	2.6	24
59	Evidence for proteins involved in prophenoloxidase cascade <i>Eisenia fetida</i> earthworms. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 581-587.	1.5	23
60	Both Type-I and Type-II Responses Contribute to Murine Trypanotolerance. <i>Journal of Veterinary Medical Science</i> , 2009, 71, 313-318.	0.9	22
61	Contribution of myeloid cell subsets to liver fibrosis in parasite infection. <i>Journal of Pathology</i> , 2013, 229, 186-197.	4.5	21
62	MIF-Mediated Hemodilution Promotes Pathogenic Anemia in Experimental African Trypanosomosis. <i>PLoS Pathogens</i> , 2016, 12, e1005862.	4.7	20
63	Identification of a coelomic mitogenic factor in <i>Eisenia foetida</i> earthworm. <i>Immunology Letters</i> , 1999, 65, 203-211.	2.5	18
64	Inhibition of pannexin1 channels alleviates acetaminophen-induced hepatotoxicity. <i>Archives of Toxicology</i> , 2017, 91, 2245-2261.	4.2	16
65	The <i>CD20</i> homolog <i>Msc4a8a</i> integrates pro- and anti-inflammatory signals in novel <i>M2</i> -like macrophages and is expressed in parasite infection. <i>European Journal of Immunology</i> , 2012, 42, 2971-2982.	2.9	14
66	Functional vulnerability of liver macrophages to capsules defines virulence of blood-borne bacteria. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	13
67	An invertebrate TNF functional analogue activates macrophages via lectin-saccharide interaction with ion channels. <i>International Immunology</i> , 2006, 18, 1663-1670.	4.0	12
68	An invertebrate defense molecule activates membrane conductance in mammalian cells by means of its lectin-like domain. <i>Developmental and Comparative Immunology</i> , 2002, 26, 35-43.	2.3	11
69	<i>Trypanosoma musculi</i> Infection in Mice Critically Relies on Mannose Receptor-Mediated Arginase Induction by a <i>TbKHC1</i> Kinesin H Chain Homolog. <i>Journal of Immunology</i> , 2017, 199, 1762-1771.	0.8	10
70	Murine Liver Myeloid Cell Isolation Protocol. <i>Bio-protocol</i> , 2015, 5, .	0.4	9
71	Quantitative Differences in Immune Responses in Mouse Strains that Differ in their Susceptibility to <i>Trypanosoma brucei brucei</i> Infection. <i>Journal of Veterinary Medical Science</i> , 2009, 71, 951-956.	0.9	8
72	<i>Trypanosoma brucei</i> growth control by TNF in mammalian host is independent of the soluble form of the cytokine. <i>Scientific Reports</i> , 2017, 7, 6165.	3.3	8

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73	Hepatocarcinoma Induces a Tumor Necrosis Factor-Dependent Kupffer Cell Death Pathway That Favors Its Proliferation Upon Partial Hepatectomy. <i>Frontiers in Oncology</i> , 2020, 10, 547013.	2.8	7
74	CCF, an invertebrate analogue of TNF, is not related to the other lytic components from <i>Eisenia foetida</i> earthworm. <i>BioEssays</i> , 2002, 24, 974-974.	2.5	4
75	E5 2:45 Glucan-binding properties of a cytolytic protein of <i>Eisenia foetida</i> earthworms. <i>Developmental and Comparative Immunology</i> , 1997, 21, 115.	2.3	2
76	Differentiation, activation and function of CD11b+Ly6C+ TNF/iNOS-producing dendritic cells during parasitic infection. <i>Cytokine</i> , 2009, 48, 135.	3.2	0
77	African Trypanosomiasis as Paradigm for Involvement of the Mononuclear Phagocyte System in Pathogenicity During Parasite Infection. , 2014, , 349-374.		0