

Charaf Benarafa

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,264
citations

201674

27
h-index

197818

49
g-index

59
all docs

59
docs citations

59
times ranked

6464
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophils: Between Host Defence, Immune Modulation, and Tissue Injury. PLoS Pathogens, 2015, 11, e1004651.	4.7	532
2	SARS-CoV-2 spike D614G change enhances replication and transmission. Nature, 2021, 592, 122-127.	27.8	440
3	Inflammation induces hemorrhage in thrombocytopenia. Blood, 2008, 111, 4958-4964.	1.4	315
4	Cathepsin G Inhibition by Serpinb1 and Serpinb6 Prevents Programmed Necrosis in Neutrophils and Monocytes and Reduces GSDMD-Driven Inflammation. Cell Reports, 2019, 27, 3646-3656.e5.	6.4	166
5	Neutrophil extracellular trap formation requires OPA1-dependent glycolytic ATP production. Nature Communications, 2018, 9, 2958.	12.8	121
6	Untangling "NETosis" from NETs. European Journal of Immunology, 2019, 49, 221-227.	2.9	121
7	The neutrophil serine protease inhibitor <i>serpinb1</i> preserves lung defense functions in <i>Pseudomonas aeruginosa</i> infection. Journal of Experimental Medicine, 2007, 204, 1901-1909.	8.5	110
8	Alterations in the Renal Elastin-Elastase System in Type 1 Diabetic Nephropathy Identified by Proteomic Analysis. Journal of the American Society of Nephrology: JASN, 2004, 15, 650-662.	6.1	102
9	The generation of neutrophils in the bone marrow is controlled by autophagy. Cell Death and Differentiation, 2015, 22, 445-456.	11.2	94
10	The ovalbumin serpins revisited: Perspective from the chicken genome of clade B serpin evolution in vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11367-11372.	7.1	86
11	Distinct gene expression patterns correlate with developmental and functional traits of iNKT subsets. Nature Communications, 2016, 7, 13116.	12.8	82
12	Enhanced fitness of SARS-CoV-2 variant of concern Alpha but not Beta. Nature, 2022, 602, 307-313.	27.8	79
13	SerpinB1 protects the mature neutrophil reserve in the bone marrow. Journal of Leukocyte Biology, 2011, 90, 21-29.	3.3	64
14	Critical Role of SerpinB1 in Regulating Inflammatory Responses in Pulmonary Influenza Infection. Journal of Infectious Diseases, 2011, 204, 592-600.	4.0	62
15	Fast kinase domain-containing protein 3 is a mitochondrial protein essential for cellular respiration. Biochemical and Biophysical Research Communications, 2010, 401, 440-446.	2.1	60
16	Comparison of Human Chromosome 6p25 with Mouse Chromosome 13 Reveals a Greatly Expanded Ov-Serpin Gene Repertoire in the Mouse. Genomics, 2002, 79, 349-362.	2.9	57
17	Characterization of Four Murine Homologs of the Human ov-serpin Monocyte Neutrophil Elastase Inhibitor MNEI (SERPINB1). Journal of Biological Chemistry, 2002, 277, 42028-42033.	3.4	51
18	CXCL14 Displays Antimicrobial Activity against Respiratory Tract Bacteria and Contributes to Clearance of <i>Streptococcus pneumoniae</i> Pulmonary Infection. Journal of Immunology, 2015, 194, 5980-5989.	0.8	50

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19	SERPINB1 upregulation is associated with in vivo complex formation with neutrophil elastase and cathepsin G in a baboon model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L619-L627.	2.9	49
20	SerpinB1 is critical for neutrophil survival through cell-autonomous inhibition of cathepsin G. <i>Blood</i> , 2013, 121, 3900-3907.	1.4	49
21	DNase 2 Is the Main DNA-Degrading Enzyme of the Stratum Corneum. <i>PLoS ONE</i> , 2011, 6, e17581.	2.5	42
22	Small angle x-ray scattering with edge-illumination. <i>Scientific Reports</i> , 2016, 6, 30940.	3.3	36
23	WASP plays a novel role in regulating platelet responses dependent on α IIb β 3 integrin outside-in signalling. <i>British Journal of Haematology</i> , 2010, 148, 416-427.	2.5	35
24	The Replication in Vitro of the Gamma Herpesvirus Bovine Herpesvirus 4 Is Restricted by Its DNA Synthesis Dependence on the S Phase of the Cell Cycle. <i>Virology</i> , 1995, 213, 328-340.	2.4	33
25	Role of granule proteases in the life and death of neutrophils. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 473-481.	2.1	32
26	<i>Adamts18</i> deletion results in distinct developmental defects and provides a model for congenital disorders of lens, lung, and female reproductive tract development. <i>Biology Open</i> , 2016, 5, 1585-1594.	1.2	31
27	Cloning of equine chemokines eotaxin, monocyte chemoattractant protein (MCP)-1, MCP-2 and MCP-4, mRNA expression in tissues and induction by IL-4 in dermal fibroblasts. <i>Veterinary Immunology and Immunopathology</i> , 2000, 76, 283-298.	1.2	28
28	Cytosolic PCNA interacts with p47phox and controls NADPH oxidase NOX2 activation in neutrophils. <i>Journal of Experimental Medicine</i> , 2019, 216, 2669-2687.	8.5	27
29	CXCR1 Regulates Pulmonary Anti- <i>Pseudomonas</i> Host Defense. <i>Journal of Innate Immunity</i> , 2016, 8, 362-373.	3.8	24
30	Fas-Activated Serine/Threonine Phosphoprotein Promotes Immune-Mediated Pulmonary Inflammation. <i>Journal of Immunology</i> , 2010, 184, 5325-5332.	0.8	19
31	DAPK2 positively regulates motility of neutrophils and eosinophils in response to intermediary chemoattractants. <i>Journal of Leukocyte Biology</i> , 2013, 95, 293-303.	3.3	19
32	RhoH is a negative regulator of eosinophilopoiesis. <i>Cell Death and Differentiation</i> , 2016, 23, 1961-1972.	11.2	18
33	SerpinB1 deficiency is not associated with increased susceptibility to pulmonary emphysema in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 305, L981-L989.	2.9	17
34	Increased Myeloid Cell Production and Lung Bacterial Clearance in Mice Exposed to Cigarette Smoke. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 424-435.	2.9	16
35	Role of the chemokine eotaxin in the pathogenesis of equine sweet itch. <i>Veterinary Record</i> , 2002, 151, 691-3.	0.3	14
36	The SerpinB1 Knockout Mouse. <i>Methods in Enzymology</i> , 2011, 499, 135-148.	1.0	13

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37	CHARACTERISATION OF THE BIOLOGICAL ACTIVITY OF RECOMBINANT EQUINE EOTAXIN IN VITRO. <i>Cytokine</i> , 2002, 19, 27-30.	3.2	12
38	Transgenic Mice Expressing Human Proteinase 3 Exhibit Sustained Neutrophil-Associated Peritonitis. <i>Journal of Immunology</i> , 2017, 199, 3914-3924.	0.8	12
39	ATG5 promotes eosinopoiesis but inhibits eosinophil effector functions. <i>Blood</i> , 2021, 137, 2958-2969.	1.4	11
40	CXCL14: the Swiss army knife chemokine. <i>Oncotarget</i> , 2015, 6, 34065-34066.	1.8	10
41	The specific features of the developing T cell compartment of the neonatal lung are a determinant of respiratory syncytial virus immunopathogenesis. <i>PLoS Pathogens</i> , 2021, 17, e1009529.	4.7	8
42	Myeloid conditional deletion and transgenic models reveal a threshold for the neutrophil survival factor Serpinb1. <i>Biological Chemistry</i> , 2016, 397, 897-905.	2.5	7
43	Novel instrument to generate representative e-cigarette vapors for physicochemical particle characterization and in-vitro toxicity. <i>Journal of Aerosol Science</i> , 2019, 129, 40-52.	3.8	7
44	Exogenous cathepsin G upregulates cell surface MHC class I molecules on immune and glioblastoma cells. <i>Oncotarget</i> , 2016, 7, 74602-74611.	1.8	7
45	Increased Surfactant Protein D Fails to Improve Bacterial Clearance and Inflammation in <i>serpinB1^Δ</i> Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 792-799.	2.9	6
46	Regulation of Neutrophil Serine Proteases by Intracellular Serpins. , 2015, , 59-76.		5
47	Chronic cigarette smoke exposure and pneumococcal infection induce oropharyngeal microbiota dysbiosis and contribute to long-lasting lung damage in mice. <i>Microbial Genomics</i> , 2020, 6, .	2.0	5
48	Granule Leakage Induces Cell-Intrinsic, Granzyme B-Mediated Apoptosis in Mast Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 630166.	3.7	5
49	Tumor-induced inflammation alters neutrophil phenotype and disease progression. <i>Breast Cancer Research</i> , 2015, 17, 135.	5.0	4
50	The Genetic Background of Mice Influences the Effects of Cigarette Smoke on Onset and Severity of Experimental Autoimmune Encephalomyelitis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1433.	4.1	2
51	Serpinb1a Is Dispensable for the Development and Cytokine Response of Invariant Natural Killer T Cell Subsets. <i>Frontiers in Immunology</i> , 2020, 11, 562587.	4.8	0