

Jean-Michel Sallenave

List of Publications by Year in descending order

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96
papers

6,700
citations

47006

47
h-index

62596

80
g-index

98
all docs

98
docs citations

98
times ranked

8075
citing authors

#	ARTICLE	IF	CITATIONS
1	Ventilator-Associated Pneumonia Is Characterized by Excessive Release of Neutrophil Proteases in the Lung. <i>Chest</i> , 2012, 142, 1425-1432.	0.8	588
2	Systemic Human ILC Precursors Provide a Substrate for Tissue ILC Differentiation. <i>Cell</i> , 2017, 168, 1086-1100.e10.	28.9	420
3	Regulation of secretory leukocyte proteinase inhibitor (SLPI) and elastase-specific inhibitor (ESI/elafin) in human airway epithelial cells by cytokines and neutrophilic enzymes.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1994, 11, 733-741.	2.9	285
4	SLPI and elafin: one glove, many fingers. <i>Clinical Science</i> , 2006, 110, 21-35.	4.3	246
5	Food-Grade Bacteria Expressing Elafin Protect Against Inflammation and Restore Colon Homeostasis. <i>Science Translational Medicine</i> , 2012, 4, 158ra144.	12.4	198
6	Expression of Natural Antimicrobials by Human Placenta and Fetal Membranes. <i>Placenta</i> , 2007, 28, 161-169.	1.5	183
7	Elafin (elastase-specific inhibitor) has anti-microbial activity against Gram-positive and Gram-negative respiratory pathogens. <i>FEBS Letters</i> , 1999, 452, 309-313.	2.8	177
8	Overexpressing mouse model demonstrates the protective role of Muc5ac in the lungs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16528-16533.	7.1	166
9	IL-33 Enhances Lipopolysaccharide-Induced Inflammatory Cytokine Production from Mouse Macrophages by Regulating Lipopolysaccharide Receptor Complex. <i>Journal of Immunology</i> , 2009, 183, 1446-1455.	0.8	142
10	Adenoviral Gene Delivery of Elafin and Secretory Leukocyte Protease Inhibitor Attenuates NF- κ B-Dependent Inflammatory Responses of Human Endothelial Cells and Macrophages to Atherogenic Stimuli. <i>Journal of Immunology</i> , 2004, 172, 4535-4544.	0.8	136
11	Secretory leukocyte proteinase inhibitor is a major leukocyte elastase inhibitor in human neutrophils. <i>Journal of Leukocyte Biology</i> , 1997, 61, 695-702.	3.3	130
12	The role of secretory leukocyte proteinase inhibitor and elafin (elastase-specific) in human neutrophils. <i>Respiratory Research</i> , 2000, 1, 87-92.	3.6	123
13	Antimicrobial activity of antiproteinases. <i>Biochemical Society Transactions</i> , 2002, 30, 111-115.	3.4	116
14	Innate Immune Defences in the Human Uterus during Pregnancy. <i>Placenta</i> , 2007, 28, 1099-1106.	1.5	109
15	Secretory Leukocyte Protease Inhibitor and Elafin/Trappin-2. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 635-643.	2.9	109
16	Toll-like receptor 5 (TLR5), IL-1 β secretion, and asparagine endopeptidase are critical factors for alveolar macrophage phagocytosis and bacterial killing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1619-1624.	7.1	108
17	Innate Immune Signaling and Proteolytic Pathways in the Resolution or Exacerbation of SARS-CoV-2 in Covid-19: Key Therapeutic Targets?. <i>Frontiers in Immunology</i> , 2020, 11, 1229.	4.8	105
18	Intranasal Mucosal Boosting with an Adenovirus-Vectored Vaccine Markedly Enhances the Protection of BCG-Primed Guinea Pigs against Pulmonary Tuberculosis. <i>PLoS ONE</i> , 2009, 4, e5856.	2.5	104

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19	C5a Mediates Peripheral Blood Neutrophil Dysfunction in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 19-28.	5.6	103
20	Serine protease inhibitors protect better than IL-10 and TGF- β 2 anti-inflammatory cytokines against mouse colitis when delivered by recombinant lactococci. <i>Microbial Cell Factories</i> , 2015, 14, 26.	4.0	103
21	Modifying the Protease, Antiprotease Pattern by Elafin Overexpression Protects Mice From Colitis. <i>Gastroenterology</i> , 2011, 140, 1272-1282.	1.3	102
22	Neutrophil Elastase Degrades Cystic Fibrosis Transmembrane Conductance Regulator via Calpains and Disables Channel Function <i>In Vitro</i> and <i>In Vivo</i> . <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 170-179.	5.6	97
23	Diagnostic importance of pulmonary interleukin-1 α and interleukin-8 in ventilator-associated pneumonia. <i>Thorax</i> , 2010, 65, 201-207.	5.6	95
24	Purification and Characterization of Elastase-Specific Inhibitor. Sequence Homology with Mucus Proteinase Inhibitor. <i>Biological Chemistry Hoppe-Seyler</i> , 1991, 372, 13-22.	1.4	93
25	<i>Aspergillus fumigatus</i> -induced Interleukin-8 Synthesis by Respiratory Epithelial Cells Is Controlled by the Phosphatidylinositol 3-Kinase, p38 MAPK, and ERK1/2 Pathways and Not by the Toll-like Receptor-MyD88 Pathway. <i>Journal of Biological Chemistry</i> , 2008, 283, 30513-30521.	3.4	90
26	Adenoviral Augmentation of Elafin Protects the Lung Against Acute Injury Mediated by Activated Neutrophils and Bacterial Infection. <i>Journal of Immunology</i> , 2001, 167, 1778-1786.	0.8	86
27	House Dust Mite Der p 1 Downregulates Defenses of the Lung by Inactivating Elastase Inhibitors. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 29, 381-389.	2.9	83
28	Gene transfer for cytokine functional studies in the lung: the multifunctional role of GM-CSF in pulmonary inflammation. <i>Journal of Leukocyte Biology</i> , 1996, 59, 481-488.	3.3	82
29	Elafin in Human Endometrium: An Antiprotease and Antimicrobial Molecule Expressed during Menstruation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 4426-4431.	3.6	81
30	Characterization and Gene Sequence of the Precursor of Elafin, an Elastase-specific Inhibitor in Bronchial Secretions. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993, 8, 439-445.	2.9	80
31	Influenza A Induces the Major Secreted Airway Mucin MUC5AC in a Protease-EGFR-Extracellular Regulated Kinase-Sp1-Dependent Pathway. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 149-157.	2.9	76
32	<i>Pseudomonas aeruginosa</i> LasB protease impairs innate immunity in mice and humans by targeting a lung epithelial cystic fibrosis transmembrane regulator-IL-6-antimicrobial-repair pathway. <i>Thorax</i> , 2018, 73, 49-61.	5.6	74
33	Human neutrophil elastase: Mediator and therapeutic target in atherosclerosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1095-1100.	2.8	72
34	Inflammatory Lung Secretions Inhibit Dendritic Cell Maturation and Function via Neutrophil Elastase. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 1189-1198.	5.6	71
35	Secretion of Mucus Proteinase Inhibitor and Elafin by Clara Cell and Type II Pneumocyte Cell Lines. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993, 8, 126-133.	2.9	68
36	Antimicrobial Peptides: Mediators of Innate Immunity as Templates for the Development of Novel Anti-Infective and Immune Therapeutics. <i>Current Pharmaceutical Design</i> , 2004, 10, 2891-2905.	1.9	64

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37	Differential regulation of secretory leukocyte protease inhibitor and elafin by progesterone. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 594-599.	2.1	63
38	Transcriptomic Analysis of Host Immune and Cell Death Responses Associated with the Influenza A Virus PB1-F2 Protein. <i>PLoS Pathogens</i> , 2011, 7, e1002202.	4.7	62
39	Isolation of Elafin and Elastase-Specific Inhibitor (ESI) from Bronchial Secretions. Evidence of Sequence Homology and Immunological Cross-Reactivity. <i>Biological Chemistry Hoppe-Seyler</i> , 1992, 373, 27-34.	1.4	59
40	Human neutrophil elastase regulates the expression and secretion of elafin (elastase-specific) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.8	59
41	Annexin A1 processing is associated with caspase-dependent apoptosis in BZR cells. <i>FEBS Letters</i> , 2003, 546, 195-202.	2.8	58
42	The Antimicrobial Antiproteinase Elafin Binds to Lipopolysaccharide and Modulates Macrophage Responses. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 32, 443-452.	2.9	58
43	Acute exposure to silica nanoparticles enhances mortality and increases lung permeability in a mouse model of <i>Pseudomonas aeruginosa</i> pneumonia. <i>Particle and Fibre Toxicology</i> , 2015, 12, 1.	6.2	57
44	Neutrophil Elastase (NE) and NE Inhibitors: Canonical and Noncanonical Functions in Lung Chronic Inflammatory Diseases (Cystic Fibrosis and Chronic Obstructive Pulmonary Disease). <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2008, 21, 125-144.	1.4	56
45	Silver Nanoparticles Impair Retinoic Acid-Inducible Gene I-Mediated Mitochondrial Antiviral Immunity by Blocking the Autophagic Flux in Lung Epithelial Cells. <i>ACS Nano</i> , 2018, 12, 1188-1202.	14.6	56
46	Regulation of Pulmonary and Systemic Bacterial Lipopolysaccharide Responses in Transgenic Mice Expressing Human Elafin. <i>Infection and Immunity</i> , 2003, 71, 3766-3774.	2.2	54
47	<i>Pseudomonas aeruginosa</i> LasB Subverts Alveolar Macrophage Activity by Interfering With Bacterial Killing Through Downregulation of Innate Immune Defense, Reactive Oxygen Species Generation, and Complement Activation. <i>Frontiers in Immunology</i> , 2018, 9, 1675.	4.8	54
48	Silver nanoparticle-adjuvanted vaccine protects against lethal influenza infection through inducing BALT and IgA-mediated mucosal immunity. <i>Biomaterials</i> , 2019, 217, 119308.	11.4	53
49	WAP domain proteins as modulators of mucosal immunity. <i>Biochemical Society Transactions</i> , 2011, 39, 1409-1415.	3.4	49
50	Adenovirus-mediated expression of an elastase-specific inhibitor (elafin): a comparison of different promoters. <i>Gene Therapy</i> , 1998, 5, 352-360.	4.5	48
51	Elafin/elastase-specific inhibitor in bronchoalveolar lavage of normal subjects and farmer's lung.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1996, 154, 1092-1098.	5.6	47
52	Role of Toll-like receptors in lung innate defense against invasive aspergillosis. Distinct impact in immunocompetent and immunocompromized hosts. <i>Clinical Immunology</i> , 2007, 124, 238-243.	3.2	47
53	An additive interaction between the NF κ B and estrogen receptor signalling pathways in human endometrial epithelial cells. <i>Human Reproduction</i> , 2010, 25, 510-518.	0.9	47
54	Regulation of Adenovirus-Mediated Elafin Transgene Expression by Bacterial Lipopolysaccharide. <i>Human Gene Therapy</i> , 2001, 12, 1395-1406.	2.7	46

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55	The Antimicrobial/Elastase Inhibitor Elafin Regulates Lung Dendritic Cells and Adaptive Immunity. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 634-642.	2.9	44
56	Secretory leukocyte proteinase inhibitor is preferentially increased in patients with acute respiratory distress syndrome. European Respiratory Journal, 1999, 13, 1029-1036.	6.7	42
57	CXCL10 reduces melanoma proliferation and invasiveness in vitro and in vivo. British Journal of Dermatology, 2011, 164, 720-728.	1.5	41
58	The WAP protein Trappin-2/Elafin: A handyman in the regulation of inflammatory and immune responses. International Journal of Biochemistry and Cell Biology, 2012, 44, 1377-1380.	2.8	40
59	Trappin-2 Promotes Early Clearance of Pseudomonas aeruginosa through CD14-Dependent Macrophage Activation and Neutrophil Recruitment. American Journal of Pathology, 2009, 174, 1338-1346.	3.8	37
60	Antimicrobial Activity of Murine Lung Cells against <i>Staphylococcus aureus</i> Is Increased In Vitro and In Vivo after Elafin Gene Transfer. Infection and Immunity, 2005, 73, 3609-3617.	2.2	36
61	Lung protease/anti-protease network and modulation of mucus production and surfactant activity. Biochimie, 2010, 92, 1608-1617.	2.6	36
62	Internalization of SiO ₂ nanoparticles by alveolar macrophages and lung epithelial cells and its modulation by the lung surfactant substitute Curosurf®. Environmental Science and Pollution Research, 2013, 20, 2761-2770.	5.3	36
63	Oncostatin M, but Not Interleukin-6 or Leukemia Inhibitory Factor, Stimulates Expression of Alpha1-Proteinase Inhibitor in A549 Human Alveolar Epithelial Cells. Journal of Interferon and Cytokine Research, 1997, 17, 337-346.	1.2	35
64	Elastin Fragments Induce IL-1 ^β Upregulation via NF- κ B Pathway in Melanoma Cells. Journal of Investigative Dermatology, 2006, 126, 1860-1868.	0.7	35
65	Gene delivery of the elastase inhibitor elafin protects macrophages from neutrophil elastase-mediated impairment of apoptotic cell recognition. FEBS Letters, 2004, 574, 80-84.	2.8	34
66	Human airway trypsin-like protease, a serine protease involved in respiratory diseases. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L657-L668.	2.9	32
67	Cytokines in the Pathogenesis of Chronic Obstructive Pulmonary Disease. Current Pharmaceutical Design, 2003, 9, 25-38.	1.9	28
68	Antiviral Activity of Trappin-2 and Elafin <i>In Vitro</i> and <i>In Vivo</i> against Genital Herpes. Journal of Virology, 2013, 87, 7526-7538.	3.4	28
69	Deletion of serpin1a, a murine α 1-antitrypsin ortholog, results in embryonic lethality. Experimental Lung Research, 2011, 37, 291-300.	1.2	24
70	Serine leucocyte proteinase inhibitor-treated monocyte inhibits human CD4+ lymphocyte proliferation. Immunology, 2011, 133, 434-441.	4.4	21
71	The antimicrobial molecule trappin-2/elafin has anti-parasitic properties and is protective in vivo in a murine model of cerebral malaria. Scientific Reports, 2017, 7, 42243.	3.3	18
72	Influenza A Virus Pre-Infection Exacerbates Pseudomonas aeruginosa-Mediated Lung Damage Through Increased MMP-9 Expression, Decreased Elafin Production and Tissue Resilience. Frontiers in Immunology, 2020, 11, 117.	4.8	17

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73	Subunit structure of calgranulins A and B obtained from sputum, plasma, granulocytes and cultured epithelial cells. <i>BBA - Proteins and Proteomics</i> , 1992, 1120, 215-222.	2.1	14
74	Gene therapy for lung inflammatory diseases: not so far away?. <i>Thorax</i> , 1997, 52, 742-744.	5.6	14
75	Neutrophil DNA Contributes to the Antielastase Barrier during Acute Lung Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 28, 746-753.	2.9	14
76	Trappin ovine molecule (TOM), the ovine ortholog of elafin, is an acute phase reactant in the lung. <i>Physiological Genomics</i> , 2004, 19, 11-21.	2.3	14
77	Trappin-2/Elafin Modulate Innate Immune Responses of Human Endometrial Epithelial Cells to PolyI:C. <i>PLoS ONE</i> , 2012, 7, e35866.	2.5	14
78	Cyclosporine Does Not Prevent Microvascular Loss in Transplantation but Can Synergize With a Neutrophil Elastase Inhibitor, Elafin, to Maintain Graft Perfusion During Acute Rejection. <i>American Journal of Transplantation</i> , 2015, 15, 1768-1781.	4.7	14
79	Characterization of the ovine ortholog of secretory leukoprotease inhibitor. <i>Mammalian Genome</i> , 2005, 16, 621-630.	2.2	13
80	Phagocytic and signaling innate immune receptors: are they dysregulated in cystic fibrosis in the fight against <i>Pseudomonas aeruginosa</i> ?. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 52, 103-107.	2.8	13
81	Altered secretory leukocyte protease inhibitor expression in the uterine decidua of tubal compared with intrauterine pregnancy. <i>Human Reproduction</i> , 2008, 23, 1485-1490.	0.9	9
82	Anti-tumor effect of SLPI on mammary but not colon tumor growth. <i>Journal of Cellular Physiology</i> , 2013, 228, 469-475.	4.1	9
83	Cystic fibrosis, a multi-systemic mucosal disease: 25 years after the discovery of CFTR. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 52, 2-4.	2.8	7
84	IL-6-elafin genetically modified macrophages as a lung immunotherapeutic strategy against <i>Pseudomonas aeruginosa</i> infections. <i>Molecular Therapy</i> , 2022, 30, 355-369.	8.2	7
85	In Vivo Adenovirus-Mediated Expression of Human Pre-Elafin, a Potent Neutrophil Elastase Inhibitor. <i>Chest</i> , 1997, 111, 128S-129S.	0.8	6
86	Human airway trypsin-like protease exerts potent, antifibrotic action in pulmonary fibrosis. <i>FASEB Journal</i> , 2018, 32, 1250-1264.	0.5	6
87	Proteases and antiproteases in development, homeostasis and disease: The old, the new, and the unknown. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1066-1067.	2.8	5
88	Serine and Cysteine Proteases and Their Inhibitors as Antimicrobial Agents and Immune Modulators. , 2011, , 27-50.		4
89	Evidence of an α 2-macroglobulin-like molecule in plasma of <i>Salamandra salamandra</i> Structural and functional similarity with human α 2-macroglobulin. <i>FEBS Letters</i> , 1987, 219, 37-39.	2.8	3
90	Sheep Lung Segmental Delivery Strategy Demonstrates Adenovirus Priming of Local Lung Responses to Bacterial LPS and the Role of Elafin as a Response Modulator. <i>PLoS ONE</i> , 2014, 9, e107590.	2.5	3

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91	Editorial: Neutrophil elastase and the lung: is it degradation, repair, emphysema, or fibrosis? What tilts it left or right?. Journal of Leukocyte Biology, 2015, 98, 137-139.	3.3	3
92	Local lung responses following endobronchial elastase and lipopolysaccharide instillation in sheep. International Journal of COPD, 2006, 1, 189-199.	2.3	3
93	Elastase Inhibitors in the Lung: Expression and Functional Relationships. , 1999, , 69-94.		2
94	Endogenous antimicrobial molecules: Important mediators in alveolar macrophage-epithelial cell interaction in the lung. Revue Francaise D'allergologie, 2012, 52, 141-144.	0.2	0
95	Neutrophil Elastase (NE) and NE Inhibitors: Canonical and Noncanonical Functions in Lung Chronic Inflammatory Diseases (Cystic Fibrosis and Chronic Obstructive Pulmonary Disease). Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, .	1.2	0
96	WAPing Out Pathogens and Disease in the Mucosa: Roles for SLPI and Trappin-2. , 2013, , 141-166.		0