

RenÃ© Lutter

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,483
citations

218677

26
h-index

144013

57
g-index

72
all docs

72
docs citations

72
times ranked

5909
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral presence and immunopathology in patients with lethal COVID-19: a prospective autopsy cohort study. <i>Lancet Microbe</i> , The, 2020, 1, e290-e299.	7.3	422
2	IL-1 β , IL-4 and IL-12 control the fate of group 2 innate lymphoid cells in human airway inflammation in the lungs. <i>Nature Immunology</i> , 2016, 17, 636-645.	14.5	397
3	T-helper cell type 2 (Th2) and non-Th2 molecular phenotypes of asthma using sputum transcriptomics in U-BIOPRED. <i>European Respiratory Journal</i> , 2017, 49, 1602135.	6.7	283
4	U-BIOPRED clinical adult asthma clusters linked to a subset of sputum omics. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1797-1807.	2.9	236
5	Neutrophil extracellular traps cause airway obstruction during respiratory syncytial virus disease. <i>Journal of Pathology</i> , 2016, 238, 401-411.	4.5	182
6	Sputum transcriptomics reveal upregulation of IL-1 receptor family members in patients with severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 560-570.	2.9	166
7	Toward clinically applicable biomarkers for asthma: An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1835-1851.	5.7	135
8	Pathway discovery using transcriptomic profiles in adult-onset severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1280-1290.	2.9	105
9	Influenza-induced Expression of Indoleamine 2,3-dioxygenase Enhances Interleukin-10 Production and Bacterial Outgrowth during Secondary Pneumococcal Pneumonia. <i>Journal of Infectious Diseases</i> , 2006, 193, 214-222.	4.0	100
10	IL-17 ^{hi} high asthma with features of a psoriasis immunophenotype. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1198-1213.	2.9	80
11	Eosinophils capture viruses, a capacity that is defective in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1898-1909.	5.7	79
12	Intravenous Infusion of Human Adipose Mesenchymal Stem Cells Modifies the Host Response to Lipopolysaccharide in Humans: A Randomized, Single-Blind, Parallel Group, Placebo Controlled Trial. <i>Stem Cells</i> , 2018, 36, 1778-1788.	3.2	70
13	Anti-IL-5 in Mild Asthma Alters Rhinovirus-induced Macrophage, B-Cell, and Neutrophil Responses (MATERIAL). A Placebo-controlled, Double-Blind Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 508-517.	5.6	68
14	Sputum proteomics and airway cell transcripts of current and ex-smokers with severe asthma in U-BIOPRED: an exploratory analysis. <i>European Respiratory Journal</i> , 2018, 51, 1702173.	6.7	67
15	Interleukin-17 Induces Hyperresponsive Interleukin-8 and Interleukin-6 Production to Tumor Necrosis Factor- α in Structural Lung Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 97-104.	2.9	61
16	A randomised controlled trial on the effect of inhaled hypertonic saline on quality of life in primary ciliary dyskinesia. <i>European Respiratory Journal</i> , 2017, 49, 1601770.	6.7	60
17	Stratification of asthma phenotypes by airway proteomic signatures. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 70-82.	2.9	59
18	Tryptophan Catabolism Restricts IFN- γ -Expressing Neutrophils and <i>Clostridium difficile</i> Immunopathology. <i>Journal of Immunology</i> , 2014, 193, 807-816.	0.8	55

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19	Oxidative stress and macrophages: driving forces behind exacerbations of asthma and chronic obstructive pulmonary disease?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L369-L384.	2.9	55
20	Addressing unmet needs in understanding asthma mechanisms. European Respiratory Journal, 2017, 49, 1602448.	6.7	47
21	Transcriptomic gene signatures associated with persistent airflow limitation in patients with severe asthma. European Respiratory Journal, 2017, 50, 1602298.	6.7	44
22	Toll-like receptor 3 blockade in rhinovirus-induced experimental asthma exacerbations: A randomized controlled study. Journal of Allergy and Clinical Immunology, 2018, 141, 1220-1230.	2.9	40
23	Exacerbation-Prone Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 474-482.	3.8	37
24	Blood eosinophilia as a marker of early and late treatment failure in severe acute exacerbations of COPD. Respiratory Medicine, 2017, 131, 118-124.	2.9	34
25	Oxidative Stress: Promoter of Allergic Sensitization to Protease Allergens?. International Journal of Molecular Sciences, 2017, 18, 1112.	4.1	32
26	Measurement of Salivary Pepsin to Detect Gastroesophageal Reflux Disease Is Not Ready for Clinical Application. Clinical Gastroenterology and Hepatology, 2019, 17, 563-565.	4.4	27
27	Rhinovirus 16 induced temporal interferon responses in nasal epithelium links with viral clearance and symptoms. Clinical and Experimental Allergy, 2019, 49, 1587-1597.	2.9	26
28	Metabolic differences between bronchial epithelium from healthy individuals and patients with asthma and the effect of bronchial thermoplasty. Journal of Allergy and Clinical Immunology, 2021, 148, 1236-1248.	2.9	26
29	Indoleamine 2,3-dioxygenase (IDO) 1 and IDO 2 activity and severe course of COVID-19. Journal of Pathology, 2022, 256, 256-261.	4.5	26
30	Tissue-specific expression of IgG receptors by human macrophages ex vivo. PLoS ONE, 2019, 14, e0223264.	2.5	24
31	Do eosinophils contribute to oxidative stress in mild asthma?. Clinical and Experimental Allergy, 2019, 49, 929-931.	2.9	23
32	Effects of doxycycline on local and systemic inflammation in stable COPD patients, a randomized clinical trial. Respiratory Medicine, 2016, 110, 46-52.	2.9	22
33	The effect of epidermal levels of urocanic acid on 25-hydroxyvitamin D synthesis and inflammatory mediators upon narrowband UVB irradiation. Photodermatology Photoimmunology and Photomedicine, 2016, 32, 214-223.	1.5	21
34	Concurrent Immune Suppression and Hyperinflammation in Patients With Community-Acquired Pneumonia. Frontiers in Immunology, 2020, 11, 796.	4.8	21
35	Neutrophilic inflammation in asthma and defective epithelial translational control. European Respiratory Journal, 2019, 54, 1900547.	6.7	20
36	Hemostatic changes associate with mortality in hospitalized patients with HIV-associated tuberculosis: a prospective cohort study. Journal of Infectious Diseases, 2017, 215, jiw532.	4.0	19

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37	Enhanced oxidative stress in smoking and ex-smoking severe asthma in the U-BIOPRED cohort. PLoS ONE, 2018, 13, e0203874.	2.5	18
38	Interferon-induced epithelial response to rhinovirus 16 in asthma relates to inflammation and FEV1. Journal of Allergy and Clinical Immunology, 2019, 143, 442-447.e10.	2.9	18
39	Activated protein C inhibits neutrophil migration in allergic asthma: a randomised trial. European Respiratory Journal, 2015, 46, 1636-1644.	6.7	16
40	Large-Scale Label-Free Quantitative Mapping of the Sputum Proteome. Journal of Proteome Research, 2018, 17, 2072-2091.	3.7	16
41	Pneumovirus-Induced Lung Disease in Mice Is Independent of Neutrophil-Driven Inflammation. PLoS ONE, 2016, 11, e0168779.	2.5	16
42	Advanced Glycation End Products in Recent-Onset Psychosis Indicate Early Onset of Cardiovascular Risk. Journal of Clinical Psychiatry, 2017, 78, 1395-1401.	2.2	16
43	Asthma phenotyping: TH2-high, TH2-low, and beyond. Journal of Allergy and Clinical Immunology, 2014, 133, 395-396.	2.9	15
44	Impact of HIV infection on the presentation, outcome and host response in patients admitted to the intensive care unit with sepsis; a case control study. Critical Care, 2016, 20, 322.	5.8	15
45	Epithelial dysregulation in obese severe asthmatics with gastro-oesophageal reflux. European Respiratory Journal, 2019, 53, 1900453.	6.7	15
46	An epigenetic and transcriptomic signature of immune tolerance in human monocytes through multi-omics integration. Genome Medicine, 2021, 13, 131.	8.2	15
47	Loss of adaptive capacity in asthmatic patients revealed by biomarker fluctuation dynamics after rhinovirus challenge. ELife, 2019, 8, .	6.0	14
48	IL-17 Attenuates Degradation of ARE-mRNAs by Changing the Cooperation between AU-Binding Proteins and microRNA16. PLoS Genetics, 2013, 9, e1003747.	3.5	12
49	Plasma cytokine profile on admission related to aetiology in community-acquired pneumonia. Clinical Respiratory Journal, 2019, 13, 605-613.	1.6	11
50	A multi-omics approach to delineate sputum microbiome-associated asthma inflammatory phenotypes. European Respiratory Journal, 2022, 59, 2102603.	6.7	11
51	Clinical and transcriptomic features of persistent exacerbation-prone severe asthma in U-BIOPRED cohort. Clinical and Translational Medicine, 2022, 12, e816.	4.0	11
52	Corticosteroid Withdrawal-Induced Loss of Control in Mild to Moderate Asthma Is Independent of Classic Granulocyte Activation. Chest, 2020, 157, 16-25.	0.8	10
53	The caspase inhibitor zVAD increases lung inflammation in pneumovirus infection in mice. Physiological Reports, 2015, 3, e12332.	1.7	9
54	Increased day-to-day fluctuations in exhaled breath profiles after a rhinovirus challenge in asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2488-2499.	5.7	9

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55	The host response in critically ill sepsis patients on statin therapy: a prospective observational study. <i>Annals of Intensive Care</i> , 2018, 8, 9.	4.6	8
56	Cross-sectional biomarker comparisons in asthma monitoring using a longitudinal design: The eNose premise. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2690-2693.	5.7	8
57	Myocardial 123I-mIBG scintigraphy in relation to markers of inflammation and long-term clinical outcome in patients with stable chronic heart failure. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 845-853.	2.1	7
58	The Dietary Intake of Carrot-Derived Rhamnogalacturonan-I Accelerates and Augments the Innate Immune and Anti-Viral Interferon Response to Rhinovirus Infection and Reduces Duration and Severity of Symptoms in Humans in a Randomized Trial. <i>Nutrients</i> , 2021, 13, 4395.	4.1	6
59	Pulmonary challenge with carbon nanoparticles induces a dose-dependent increase in circulating leukocytes in healthy males. <i>BMC Pulmonary Medicine</i> , 2017, 17, 121.	2.0	5
60	Cadherin-related family member 3 (CDHR3) drives differentiation of ciliated bronchial epithelial cells and facilitates rhinovirus C infection, although with a little help. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 926-927.	2.9	5
61	Can Measurements of Inflammatory Biomarkers Be Used to Spot Respiratory Viral Infections?. <i>Viruses</i> , 2020, 12, 1175.	3.3	5
62	Association of Hyperferritinemia With Distinct Host Response Aberrations in Patients With Community-Acquired Pneumonia. <i>Journal of Infectious Diseases</i> , 2022, 225, 2023-2032.	4.0	5
63	Effect of C1 inhibitor in adults with mild asthma: A randomized controlled trial. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 953-955.	5.7	4
64	Ex vivo innate responses to particulate matter from livestock farms in asthma patients and healthy individuals. <i>Environmental Health</i> , 2020, 19, 78.	4.0	3
65	The Effect of TIP on Pneumovirus-Induced Pulmonary Edema in Mice. <i>PLoS ONE</i> , 2014, 9, e102749.	2.5	3
66	Mechanisms That Potentially Underlie Virus-Induced Exaggerated Inflammatory Responses By Airway Epithelial Cells. <i>Chest</i> , 2003, 123, 391S-392S.	0.8	2
67	HIV Infection Rather than Concurrent Opportunistic Infections drives Most Systemic Procoagulant, Vascular and Damage Responses – a Prospective Cohort Study in Central Africa. <i>Antiviral Therapy</i> , 2017, 22, 153-161.	1.0	2
68	Imprinting of bronchial epithelial cells upon <i>in vivo</i> rhinovirus infection in people with asthma. <i>ERJ Open Research</i> , 2022, 8, 00522-2021.	2.6	2
69	Neutrophils as a pallbearer for SARS-CoV-2 disease burden – Authors' reply. <i>Lancet Microbe</i> , The, 2021, 2, e57.	7.3	1
70	Phenotypic comparison of human alveolar macrophages before and after <i>in vivo</i> rhinovirus 16 challenge. <i>European Journal of Immunology</i> , 2021, 51, 2691-2693.	2.9	1
71	Response. <i>Chest</i> , 2020, 157, 1681.	0.8	0