

Chantal Donovan

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,298
citations

304602

22
h-index

377752

34
g-index

39
all docs

39
docs citations

39
times ranked

1844
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal models of <scp>COPD</scp>: <scp>W</scp>hat do they tell us?. <i>Respirology</i> , 2017, 22, 21-32.	1.3	122
2	Mechanisms and treatments for severe, steroidâ€resistant allergic airway disease and asthma. <i>Immunological Reviews</i> , 2017, 278, 41-62.	2.8	119
3	Airway remodelling and inflammation in asthma are dependent on the extracellular matrix protein fibulin-1c. <i>Journal of Pathology</i> , 2017, 243, 510-523.	2.1	81
4	Critical role for iron accumulation in the pathogenesis of fibrotic lung disease. <i>Journal of Pathology</i> , 2020, 251, 49-62.	2.1	67
5	Impact of diet and the bacterial microbiome on the mucous barrier and immune disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 714-734.	2.7	66
6	The role of the microbiome and the NLRP3 inflammasome in the gut and lung. <i>Journal of Leukocyte Biology</i> , 2020, 108, 925-935.	1.5	58
7	Roles for T/B lymphocytes and ILC2s in experimental chronic obstructive pulmonary disease. <i>Journal of Leukocyte Biology</i> , 2018, 105, 143-150.	1.5	55
8	IL-22 and its receptors are increased in human and experimental COPD and contribute to pathogenesis. <i>European Respiratory Journal</i> , 2019, 54, 1800174.	3.1	54
9	A microRNA-21â€mediated SATB1/S100A9/NF-Î² axis promotes chronic obstructive pulmonary disease pathogenesis. <i>Science Translational Medicine</i> , 2021, 13, eaav7223.	5.8	54
10	Molecular links between COPD and lung cancer: new targets for drug discovery?. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 539-553.	1.5	53
11	Airway Remodeling and Hyperreactivity in a Model of Bronchopulmonary Dysplasia and Their Modulation by IL-1 Receptor Antagonist. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 858-868.	1.4	40
12	Crucial role for lung iron level and regulation in the pathogenesis and severity of asthma. <i>European Respiratory Journal</i> , 2020, 55, 1901340.	3.1	40
13	Differential Effects of Allergen Challenge on Large and Small Airway Reactivity in Mice. <i>PLoS ONE</i> , 2013, 8, e74101.	1.1	34
14	IL-33 in Chronic Respiratory Disease: From Preclinical to Clinical Studies. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 56-62.	2.5	32
15	Novel Small Airway Bronchodilator Responses to Rosiglitazone in Mouse Lung Slices. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 748-756.	1.4	31
16	Activation of the Absent in Melanoma 2 Inflammasome in Peripheral Blood Mononuclear Cells From Idiopathic Pulmonary Fibrosis Patients Leads to the Release of Pro-Fibrotic Mediators. <i>Frontiers in Immunology</i> , 2018, 9, 670.	2.2	31
17	Targeting the IL-33/IL-13 Axis for Respiratory Viral Infections. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 252-261.	4.0	29
18	Rosiglitazone elicits in vitro relaxation in airways and precision cut lung slices from a mouse model of chronic allergic airways disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L1219-L1228.	1.3	28

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19	Elucidating novel disease mechanisms in severe asthma. <i>Clinical and Translational Immunology</i> , 2016, 5, e91.	1.7	28
20	Novel drug targets for asthma and COPD: Lessons learned from inÂvitro and inÂvivo models. <i>Pulmonary Pharmacology and Therapeutics</i> , 2014, 29, 181-198.	1.1	26
21	TLR2, TLR4 AND MyD88 Mediate Allergic Airway Disease (AAD) and Streptococcus pneumoniae-Induced Suppression of AAD. <i>PLoS ONE</i> , 2016, 11, e0156402.	1.1	26
22	Recent advances in experimental animal models of lung cancer. <i>Future Medicinal Chemistry</i> , 2020, 12, 567-570.	1.1	25
23	Asthma-COPD overlap: current understanding and the utility of experimental models. <i>European Respiratory Review</i> , 2021, 30, 190185.	3.0	23
24	Influenza A virus infection and cigarette smoke impair bronchodilator responsiveness to Î²-adrenoceptor agonists in mouse lung. <i>Clinical Science</i> , 2016, 130, 829-837.	1.8	22
25	Serelaxin Elicits Bronchodilation and Enhances Î²-Adrenoceptor-Mediated Airway Relaxation. <i>Frontiers in Pharmacology</i> , 2016, 7, 406.	1.6	21
26	Relationship between type 2 cytokine and inflammasome responses in obesity-associated asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1270-1280.	1.5	21
27	Pathophysiological regulation of lung function by the free fatty acid receptor FFA4. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	20
28	PPARα Ligands Regulate Noncontractile and Contractile Functions of Airway Smooth Muscle: Implications for Asthma Therapy. <i>PPAR Research</i> , 2012, 2012, 1-13.	1.1	16
29	Alteration of Airway Reactivity and Reduction of Ryanodine Receptor Expression by Cigarette Smoke in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 471-478.	1.4	15
30	New drugs under development for COPD. <i>Expert Opinion on Emerging Drugs</i> , 2020, 25, 419-431.	1.0	13
31	Rosiglitazone is a superior bronchodilator compared to chloroquine and Î²-adrenoceptor agonists in mouse lung slices. <i>Respiratory Research</i> , 2014, 15, 29.	1.4	10
32	Lipopolysaccharide Does Not Alter Small Airway Reactivity in Mouse Lung Slices. <i>PLoS ONE</i> , 2015, 10, e0122069.	1.1	10
33	COPD exacerbations: targeting IL-33 as a new therapy. <i>Lancet Respiratory Medicine</i> , 2021, 9, 1213-1214.	5.2	9
34	Airway and parenchymal transcriptomics in a novel model of asthma and COPD overlap. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 817-829.e6.	1.5	8
35	Characterisation of small molecule ligands 4CMTB and 2CTAP as modulators of human FFA2 receptor signalling. <i>Scientific Reports</i> , 2018, 8, 17819.	1.6	6
36	TRPA1: A potential target for cold-induced airway disease?. <i>Respirology</i> , 2019, 24, 193-194.	1.3	3

#	ARTICLE	IF	CITATIONS
37	Investigating the Links between Lower Iron Status in Pregnancy and Respiratory Disease in Offspring Using Murine Models. <i>Nutrients</i> , 2021, 13, 4461.	1.7	2
38	Bronchodilator responsiveness is impaired in a mouse model of cigarette smoke exposure and influenza infection. , 2015, , .		0