Chantal Donovan

List of Publications by Year
in descending order

38 papers	1,298 citations	304743 22 h-index	377865 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?. Respirology, 2017, 22, 21-32.	2.3	122
2	Mechanisms and treatments for severe, steroidâ€resistant allergic airway disease and asthma. Immunological Reviews, 2017, 278, 41-62.	6.0	119
3	Airway remodelling and inflammation in asthma are dependent on the extracellular matrix protein fibulin-1c. Journal of Pathology, 2017, 243, 510-523.	4.5	81
4	Critical role for iron accumulation in the pathogenesis of fibrotic lung disease. Journal of Pathology, 2020, 251, 49-62.	4.5	67
5	Impact of diet and the bacterial microbiome on the mucous barrier and immune disorders. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 714-734.	5.7	66
6	The role of the microbiome and the NLRP3 inflammasome in the gut and lung. Journal of Leukocyte Biology, 2020, 108, 925-935.	3.3	58
7	Roles for T/B lymphocytes and ILC2s in experimental chronic obstructive pulmonary disease. Journal of Leukocyte Biology, 2018, 105, 143-150.	3.3	55
8	IL-22 and its receptors are increased in human and experimental COPD and contribute to pathogenesis. European Respiratory Journal, 2019, 54, 1800174.	6.7	54
9	A microRNA-21â€"mediated SATB1/S100A9/NF-Îºb axis promotes chronic obstructive pulmonary disease pathogenesis. Science Translational Medicine, 2021, 13, eaav7223.	12.4	54
10	Molecular links between COPD and lung cancer: new targets for drug discovery?. Expert Opinion on Therapeutic Targets, 2019, 23, 539-553.	3.4	53
11	Airway Remodeling and Hyperreactivity in a Model of Bronchopulmonary Dysplasia and Their Modulation by IL-1 Receptor Antagonist. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 858-868.	2.9	40
12	Crucial role for lung iron level and regulation in the pathogenesis and severity of asthma. European Respiratory Journal, 2020, 55, 1901340.	6.7	40
13	Differential Effects of Allergen Challenge on Large and Small Airway Reactivity in Mice. PLoS ONE, 2013, 8, e74101.	2.5	34
14	IL-33 in Chronic Respiratory Disease: From Preclinical to Clinical Studies. ACS Pharmacology and Translational Science, 2020, 3, 56-62.	4.9	32
15	Novel Small Airway Bronchodilator Responses to Rosiglitazone in Mouse Lung Slices. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 748-756.	2.9	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. Frontiers in Immunology, 2018, 9, 670.	4.8	31
17	Targeting the IL-33/IL-13 Axis for Respiratory Viral Infections. Trends in Pharmacological Sciences, 2016, 37, 252-261.	8.7	29
18	Rosiglitazone elicits in vitro relaxation in airways and precision cut lung slices from a mouse model of chronic allergic airways disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1219-L1228.	2.9	28

#	Article	IF	Citations
19	Elucidating novel disease mechanisms in severe asthma. Clinical and Translational Immunology, 2016, 5, e91.	3.8	28
20	Novel drug targets for asthma and COPD: Lessons learned from inÂvitro and inÂvivo models. Pulmonary Pharmacology and Therapeutics, 2014, 29, 181-198.	2.6	26
21	TLR2, TLR4 AND MyD88 Mediate Allergic Airway Disease (AAD) and Streptococcus pneumoniae-Induced Suppression of AAD. PLoS ONE, 2016, 11, e0156402.	2.5	26
22	Recent advances in experimental animal models of lung cancer. Future Medicinal Chemistry, 2020, 12, 567-570.	2.3	25
23	Asthma-COPD overlap: current understanding and the utility of experimental models. European Respiratory Review, 2021, 30, 190185.	7.1	23
24	Influenza A virus infection and cigarette smoke impair bronchodilator responsiveness to Î²-adrenoceptor agonists in mouse lung. Clinical Science, 2016, 130, 829-837.	4.3	22
25	Serelaxin Elicits Bronchodilation and Enhances Î²-Adrenoceptor-Mediated Airway Relaxation. Frontiers in Pharmacology, 2016, 7, 406.	3.5	21
26	Relationship between type 2 cytokine and inflammasome responses in obesity-associated asthma. Journal of Allergy and Clinical Immunology, 2022, 149, 1270-1280.	2.9	21
27	Pathophysiological regulation of lung function by the free fatty acid receptor FFA4. Science Translational Medicine, 2020, 12, .	12.4	20
28	PPARÎ³Ligands Regulate Noncontractile and Contractile Functions of Airway Smooth Muscle: Implications for Asthma Therapy. PPAR Research, 2012, 2012, 1-13.	2.4	16
29	Alteration of Airway Reactivity and Reduction of Ryanodine Receptor Expression by Cigarette Smoke in Mice. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 471-478.	2.9	15
30	New drugs under development for COPD. Expert Opinion on Emerging Drugs, 2020, 25, 419-431.	2.4	13
31	Rosiglitazone is a superior bronchodilator compared to chloroquine and Î²-adrenoceptor agonists in mouse lung slices. Respiratory Research, 2014, 15, 29.	3.6	10
32	Lipopolysaccharide Does Not Alter Small Airway Reactivity in Mouse Lung Slices. PLoS ONE, 2015, 10, e0122069.	2.5	10
33	COPD exacerbations: targeting IL-33 as a new therapy. Lancet Respiratory Medicine,the, 2021, 9, 1213-1214.	10.7	9
34	Airway and parenchymal transcriptomics in a novel model of asthma and COPD overlap. Journal of Allergy and Clinical Immunology, 2022, 150, 817-829.e6.	2.9	8
35	Characterisation of small molecule ligands 4CMTB and 2CTAP as modulators of human FFA2 receptor signalling. Scientific Reports, 2018, 8, 17819.	3.3	6
36	TRPA1: A potential target for coldâ€induced airway disease?. Respirology, 2019, 24, 193-194.	2.3	3

#	Article	IF	Citations
37	Investigating the Links between Lower Iron Status in Pregnancy and Respiratory Disease in Offspring Using Murine Models. Nutrients, 2021, 13, 4461.	4.1	2
38	Bronchodilator responsiveness is impaired in a mouse model of cigarette smoke exposure and influenza infection. , 2015, , .		0