R Vlahos

List of Publications by Year
in descending order

122 papers	5,587 citations	66343 42 h-index	95266 68 g-index
122 all docs	122 docs citations	122 times ranked	7845 citing authors

#	Article	IF	Citations
1	Serum Amyloid A Is a Biomarker of Acute Exacerbations of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 269-278.	5.6	229
2	Inhibition of Nox2 Oxidase Activity Ameliorates Influenza A Virus-Induced Lung Inflammation. PLoS Pathogens, 2011, 7, e1001271.	4.7	210
3	Differential protease, innate immunity, and NF-Î²B induction profiles during lung inflammation induced by subchronic cigarette smoke exposure in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L931-L945.	2.9	185
4	Role of alveolar macrophages in chronic obstructive pulmonary disease. Frontiers in Immunology, 2014, 5, 435.	4.8	173
5	Granulocyte/Macrophage-Colony-stimulating Factor (GM-CSF) Regulates Lung Innate Immunity to Lipopolysaccharide through Akt/Erk Activation of NFÎºB and AP-1 in Vivo. Journal of Biological Chemistry, 2002, 277, 42808-42814.	3.4	154
6	Serum amyloid A opposes lipoxin A ₄ to mediate glucocorticoid refractory lung inflammation in chronic obstructive pulmonary disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 935-940.	7.1	140
7	COPD and stroke: are systemic inflammation and oxidative stress the missing links?. Clinical Science, 2016, 130, 1039-1050.	4.3	138
8	Recent advances in pre-clinical mouse models of COPD. Clinical Science, 2014, 126, 253-265.	4.3	131
9	Effect of Short-Term Cigarette Smoke Exposure on Body Weight, Appetite and Brain Neuropeptide Y in Mice. Neuropsychopharmacology, 2005, 30, 713-719.	5.4	128
10	Cigarette smoke worsens lung inflammation and impairs resolution of influenza infection in mice. Respiratory Research, 2008, 9, 53.	3.6	128
11	Genetic partitioning of interleukinâ€6 signalling in mice dissociates Stat3 from Smad3â€mediated lung fibrosis. EMBO Molecular Medicine, 2012, 4, 939-951.	6.9	128
12	Distinct Macrophage Subpopulations Characterize Acute Infection and Chronic Inflammatory Lung Disease. Journal of Immunology, 2012, 189, 946-955.	0.8	122
13	Suppressing production of reactive oxygen species (ROS) for influenza A virus therapy. Trends in Pharmacological Sciences, 2012, 33, 3-8.	8.7	122
14	Endosomal NOX2 oxidase exacerbates virus pathogenicity and is a target for antiviral therapy. Nature Communications, 2017, 8, 69.	12.8	111
15	Control of macrophage lineage populations by CSFâ€1 receptor and GMâ€CSF in homeostasis and inflammation. Immunology and Cell Biology, 2012, 90, 429-440.	2.3	107
16	Neutralizing Granulocyte/Macrophage Colonyâ€“Stimulating Factor Inhibits Cigarette Smokeâ€“induced Lung Inflammation. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 34-40.	5.6	99
17	<scp>COPD</scp> and squamous cell lung cancer: aberrant inflammation and immunity is the common link. British Journal of Pharmacology, 2016, 173, 635-648.	5.4	95
18	A community-based, time-matched, case-control study of respiratory viruses and exacerbations of COPD. Respiratory Medicine, 2007, 101, 2472-2481.	2.9	94

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19	Interleukin-6 Promotes Pulmonary Emphysema Associated with Apoptosis in Mice. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 720-730.	2.9	87
20	Cigarette Smoke Exposure Reprograms the Hypothalamic Neuropeptide Y Axis to Promote Weight Loss. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 1248-1254.	5.6	86
21	Therapeutic potential of treating chronic obstructive pulmonary disease (COPD) by neutralising granulocyte macrophage-colony stimulating factor (GM-CSF). , 2006, 112, 106-115.		85
22	Pathobiological mechanisms underlying metabolic syndrome (MetS) in chronic obstructive pulmonary disease (COPD): clinical significance and therapeutic strategies. , 2019, 198, 160-188.		81
23	Targeting oxidant-dependent mechanisms for the treatment of COPD and its comorbidities. , 2015, 155, 60-79.		78
24	Glutathione peroxidase-1 protects against cigarette smoke-induced lung inflammation in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L425-L433.	2.9	76
25	Apocynin and ebselen reduce influenza A virus-induced lung inflammation in cigarette smoke-exposed mice. Scientific Reports, 2016, 6, 20983.	3.3	74
26	Specific Contributions of CSF-1 and GM-CSF to the Dynamics of the Mononuclear Phagocyte System. Journal of Immunology, 2015, 195, 134-144.	0.8	70
27	Glucocorticosteroids Differentially Regulate MMP-9 and Neutrophil Elastase in COPD. PLoS ONE, 2012, 7, e33277.	2.5	69
28	Functional Relevance of the IL-23â€“IL-17 Axis in LungsIn Vivo. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 442-451.	2.9	68
29	Serum Amyloid A Promotes Lung Neutrophilia by Increasing IL-17A Levels in the Mucosa and Î³Î´ T Cells. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 179-186.	5.6	68
30	Innate cellular sources of interleukin-17A regulate macrophage accumulation in cigarette-smoke-induced lung inflammation in mice. Clinical Science, 2015, 129, 785-796.	4.3	66
31	Glutathione Peroxidase-1 Reduces Influenza A Virusâ€“Induced Lung Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 17-26.	2.9	65
32	Influenza A virus and TLR7 activation potentiate NOX2 oxidase-dependent ROS production in macrophages. Free Radical Research, 2014, 48, 940-947.	3.3	61
33	Greater endurance capacity and improved dyspnoea with acute oxygen supplementation in idiopathic pulmonary fibrosis patients without resting hypoxaemia. Respirology, 2017, 22, 957-964.	2.3	60
34	Mitochondrial Reactive Oxygen Species Contribute to Pathological Inflammation During Influenza A Virus Infection in Mice. Antioxidants and Redox Signaling, 2020, 32, 929-942.	5.4	60
35	2-Methoxyestradiol and Analogs as Novel Antiproliferative Agents: Analysis of Three-Dimensional Quantitative Structure-Activity Relationships for DNA Synthesis Inhibition and Estrogen Receptor Binding. Molecular Pharmacology, 2002, 61, 1053-1069.	2.3	59
36	Therapeutic potential of Panax ginseng and ginsenosides in the treatment of chronic obstructive pulmonary disease. Complementary Therapies in Medicine, 2014, 22, 944-953.	2.7	54

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37	Aspirin-triggered resolvin D1 reduces pneumococcal lung infection and inflammation in a viral and bacterial coinfection pneumonia model. Clinical Science, 2017, 131, 2347-2362.	4.3	53
38	Detrimental metabolic effects of combining long-term cigarette smoke exposure and high-fat diet in mice. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1564-E1571.	3.5	52
39	S100A8 Chemotactic Protein Is Abundantly Increased, but Only a Minor Contributor to LPS-Induced, Steroid Resistant Neutrophilic Lung Inflammation in Vivo. Journal of Proteome Research, 2005, 4, 136-145.	3.7	50
40	NADPH Oxidases as Novel Pharmacologic Targets against Influenza A Virus Infection. Molecular Pharmacology, 2014, 86, 747-759.	2.3	49
41	Interleukin-1Î± and tumour necrosis factor-Î± modulate airway smooth muscle DNA synthesis by induction of cyclo-oxygenase-2: inhibition by dexamethasone and fluticasone propionate. British Journal of Pharmacology, 1999, 126, 1315-1324.	5.4	48
42	Long-term cigarette smoke exposure increases uncoupling protein expression but reduces energy intake. Brain Research, 2008, 1228, 81-88.	2.2	48
43	Glutathione peroxidase-1 as a novel therapeutic target for COPD. Redox Report, 2013, 18, 142-149.	4.5	48
44	Nox1 Oxidase Suppresses Influenza A Virus-Induced Lung Inflammation and Oxidative Stress. PLoS ONE, 2013, 8, e60792.	2.5	47
45	Treating neutrophilic inflammation in COPD by targeting ALX/FPR2 resolution pathways. , 2013, 140, 280-289.		45
46	New frontiers in the treatment of comorbid cardiovascular disease in chronic obstructive pulmonary disease. Clinical Science, 2019, 133, 885-904.	4.3	45
47	Cigarette Smoking Exacerbates Skeletal Muscle Injury without Compromising Its Regenerative Capacity. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 217-230.	2.9	45
48	Carbonylation Caused by Cigarette Smoke Extract Is Associated with Defective Macrophage Immunity. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 229-236.	2.9	44
49	Therapeutic Targeting of the IL-6 Trans-Signaling/Mechanistic Target of Rapamycin Complex 1 Axis in Pulmonary Emphysema. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1494-1505.	5.6	44
50	Modelling COPD in mice. Pulmonary Pharmacology and Therapeutics, 2006, 19, 12-17.	2.6	43
51	SAA drives proinflammatory heterotypic macrophage differentiation in the lungviaCSFâ€1Râ€dependent signaling. FASEB Journal, 2014, 28, 3867-3877.	0.5	42
52	Resolving Viral-Induced Secondary Bacterial Infection in COPD: A Concise Review. Frontiers in Immunology, 2018, 9, 2345.	4.8	41
53	Contribution of the p38MAPK signalling pathway to proliferation in human cultured airway smooth muscle cells is mitogen-specific. British Journal of Pharmacology, 2004, 142, 1182-1190.	5.4	40
54	Emerging therapies for the treatment of skeletal muscle wasting in chronic obstructive pulmonary disease. , 2016, 166, 56-70.		39

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55	Regulation of hypothalamic NPY by diet and smoking. Peptides, 2007, 28, 384-389.	2.4	38
56	Deregulated Stat3 signaling dissociates pulmonary inflammation from emphysema in gp130 mutant mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L627-L639.	2.9	35
57	Therapeutic prospects to treat skeletal muscle wasting in COPD (chronic obstructive lung disease). , 2006, 109, 162-172.		34
58	Influenza A virus causes maternal and fetal pathology via innate and adaptive vascular inflammation in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24964-24973.	7.1	34
59	IL-17-producing T lymphocytes in lung tissue and in the bronchoalveolar spaceÂafter exposure to endotoxin from Escherichia coli in vivo â€“ effects of anti-inflammatory pharmacotherapy. Pulmonary Pharmacology and Therapeutics, 2009, 22, 199-207.	2.6	31
60	Urokinase-type plasminogen activator and arthritis progression: role in systemic disease with immune complex involvement. Arthritis Research and Therapy, 2010, 12, R37.	3.5	31
61	Intranasal and epicutaneous administration of Toll-like receptor 7 (TLR7) agonists provides protection against influenza A virus-induced morbidity in mice. Scientific Reports, 2019, 9, 2366.	3.3	31
62	Glutathione Peroxidase-1 Primes Pro-Inflammatory Cytokine Production after LPS Challenge In Vivo. PLoS ONE, 2012, 7, e33172.	2.5	30
63	Antigen-induced airway inflammation in the Brown Norway rat results in airway smooth muscle hyperplasia. Journal of Applied Physiology, 2002, 93, 1833-1840.	2.5	29
64	Targeting the IL-33/IL-13 Axis for Respiratory Viral Infections. Trends in Pharmacological Sciences, 2016, 37, 252-261.	8.7	29
65	CSF3R/CD114 mediates infection-dependent transition to severe asthma. Journal of Allergy and Clinical Immunology, 2019, 143, 785-788.e6.	2.9	28
66	Matrine reduces cigarette smoke-induced airway neutrophilic inflammation by enhancing neutrophil apoptosis. Clinical Science, 2019, 133, 551-564.	4.3	27
67	Targeting pro-resolution pathways to combat chronic inflammation in COPD. Journal of Thoracic Disease, 2014, 6, 1548-56.	1.4	27
68	What is the contribution of respiratory viruses and lung proteases to airway remodelling in asthma and chronic obstructive pulmonary disease?. Pulmonary Pharmacology and Therapeutics, 2006, 19, 18-23.	2.6	25
69	Novel endosomal NOX2 oxidase inhibitor ameliorates pandemic influenza A virusâ€induced lung inflammation in mice. Respirology, 2019, 24, 1011-1017.	2.3	25
70	IL-17A and Serum Amyloid A Are Elevated in a Cigarette Smoke Cessation Model Associated with the Persistence of Pigmented Macrophages, Neutrophils and Activated NK Cells. PLoS ONE, 2014, 9, e113180.	2.5	25
71	Akt in the pathogenesis of COPD. International Journal of COPD, 2006, 1, 31-38.	2.3	25
72	Preclinical murine models of Chronic Obstructive Pulmonary Disease. European Journal of Pharmacology, 2015, 759, 265-271.	3.5	24

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73	Chronic obstructive pulmonary disease and atherosclerosis: common mechanisms and novel therapeutics. Clinical Science, 2022, 136, 405-423.	4.3	24
74	Differential inhibition of thrombin- and EGF-stimulated human cultured airway smooth muscle proliferation by glucocorticoids. Pulmonary Pharmacology and Therapeutics, 2003, 16, 171-180.	2.6	22
75	Serum Amyloid A Induces Toll-Like Receptor 2-Dependent Inflammatory Cytokine Expression and Atrophy in C2C12 Skeletal Muscle Myotubes. PLoS ONE, 2016, 11, e0146882.	2.5	22
76	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
77	Ischaemic stroke in mice induces lung inflammation but not acute lung injury. Scientific Reports, 2019, 9, 3622.	3.3	21
78	Ambulatory Oxygen in Fibrotic Interstitial Lung Disease. Chest, 2020, 158, 234-244.	0.8	21
79	ILâ€6/Stat3â€driven pulmonary inflammation, but not emphysema, is dependent on interleukinâ€17<scp>A</scp> in mice. Respirology, 2014, 19, 419-427.	2.3	20
80	Targeting Evolutionary Conserved Oxidative Stress and Immunometabolic Pathways for the Treatment of Respiratory Infectious Diseases. Antioxidants and Redox Signaling, 2020, 32, 993-1013.	5.4	20
81	The Lung Inflammation and Skeletal Muscle Wasting Induced by Subchronic Cigarette Smoke Exposure Are Not Altered by a High-Fat Diet in Mice. PLoS ONE, 2013, 8, e80471.	2.5	19
82	Increased hypothalamic microglial activation after viral-induced pneumococcal lung infection is associated with excess serum amyloid A production. Journal of Neuroinflammation, 2018, 15, 200.	7.2	19
83	HSP90 Inhibition Suppresses Lipopolysaccharide-Induced Lung Inflammation In Vivo. PLoS ONE, 2015, 10, e0114975.	2.5	18
84	Spatial Properties of Reactive Oxygen Species Govern Pathogen-Specific Immune System Responses. Antioxidants and Redox Signaling, 2020, 32, 982-992.	5.4	18
85	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
86	Tumour-associated neutrophils and loss of epithelial PTEN can promote corticosteroid-insensitive MMP-9 expression in the chronically inflamed lung microenvironment. Thorax, 2017, 72, 1140-1143.	5.6	15
87	Repurposing matrine for the treatment of hepatosteatosis and associated disorders in glucose homeostasis in mice. Acta Pharmacologica Sinica, 2018, 39, 1753-1759.	6.1	14
88	Excessive Reactive Oxygen Species Inhibit IL-17A⁺ Î³Î´ T Cells and Innate Cellular Responses to Bacterial Lung Infection. Antioxidants and Redox Signaling, 2020, 32, 943-956.	5.4	13
89	Gâ€CSFR antagonism reduces mucosal injury and airways fibrosis in a virusâ€dependent model of severe asthma. British Journal of Pharmacology, 2021, 178, 1869-1885.	5.4	13
90	Cigarette smoke extract exacerbates hyperpermeability of cerebral endothelial cells after oxygen glucose deprivation and reoxygenation. Scientific Reports, 2019, 9, 15573.	3.3	12

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91	The effect of tissue type-plasminogen activator deletion and associated fibrin(ogen) deposition on macrophage localization in peritoneal inflammation. Thrombosis and Haemostasis, 2006, 95, 659-667.	3.4	12
92	Ebselen reduces cigarette smokeâ€induced endothelial dysfunction in mice. British Journal of Pharmacology, 2021, 178, 1805-1818.	5.4	11
93	Lipopolysaccharide Does Not Alter Small Airway Reactivity in Mouse Lung Slices. PLoS ONE, 2015, 10, e0122069.	2.5	10
94	Apocynin prevents cigarette smokingâ€induced loss of skeletal muscle mass and function in mice by preserving proteostatic signalling. British Journal of Pharmacology, 2021, 178, 3049-3066.	5.4	9
95	Non-Essential Role for TLR2 and Its Signaling Adaptor Mal/TIRAP in Preserving Normal Lung Architecture in Mice. PLoS ONE, 2013, 8, e78095.	2.5	8
96	Novel pharmacological strategies to treat cognitive dysfunction in chronic obstructive pulmonary disease. , 2022, 233, 108017.		8
97	Modelling COPD coâ€morbidities in preclinical models. Respirology, 2018, 23, 1094-1095.	2.3	7
98	Multifaceted Role for IL-17A in the Pathogenesis of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1213-1214.	5.6	6
99	Losartan does not inhibit cigarette smoke-induced lung inflammation in mice. Scientific Reports, 2019, 9, 15053.	3.3	6
100	The traditional herbal formulation, Jianpiyifei II, reduces pulmonary inflammation induced by influenza A virus and cigarette smoke in mice. Clinical Science, 2021, 135, 1733-1750.	4.3	6
101	Exposure to cigarette smoke precipitates simple hepatosteatosis to NASH in high-fat diet fed mice by inducing oxidative stress. Clinical Science, 2021, 135, 2103-2119.	4.3	6
102	Ebselen prevents cigarette smoke-induced cognitive dysfunction in mice by preserving hippocampal synaptophysin expression. Journal of Neuroinflammation, 2022, 19, 72.	7.2	6
103	EPITHELIUM-DEPENDENT INHIBITION OF CHOLINERGIC TRANSMISSION IN RAT ISOLATED TRACHEA BY POTASSIUM CHANNEL OPENERS. Pharmacological Research, 1996, 33, 261-272.	7.1	5
104	Targeting the human Î²_c receptor inhibits inflammatory myeloid cells and lung injury caused by acute cigarette smoke exposure. Respirology, 2022, 27, 617-629.	2.3	5
105	Evaluation of right heart function in a rat model using modified echocardiographic views. PLoS ONE, 2017, 12, e0187345.	2.5	4
106	Prior cigarette smoke exposure does not affect acute post-stroke outcomes in mice. PLoS ONE, 2019, 14, e0214246.	2.5	4
107	Lipids in Chronic Obstructive Pulmonary Disease: A Target for Future Therapy?. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 273-274.	2.9	4
108	Cigarette smoking blocks the benefit from reduced weight gain for insulin action by shifting lipids deposition to muscle. Clinical Science, 2020, 134, 1659-1673.	4.3	4

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109	Ebselen abolishes vascular dysfunction in influenza A virus-induced exacerbations of cigarette smoke-induced lung inflammation in mice. Clinical Science, 2022, 136, 537-555.	4.3	4
110	Influence of the epithelium on acetylcholine release from parasympathetic nerves of the rat trachea. Autonomic and Autacoid Pharmacology, 2000, 20, 237-251.	0.6	3
111	Thrombin-stimulated DNA Synthesis in Human Cultured Airway Smooth Muscle Occurs Independently of Products of Cyclo-oxygenase or 5-Lipoxygenase. Pulmonary Pharmacology and Therapeutics, 2000, 13, 241-248.	2.6	3
112	Protocols to Evaluate Cigarette Smoke-Induced Lung Inflammation and Pathology in Mice. Methods in Molecular Biology, 2018, 1725, 53-63.	0.9	3
113	Ebselen prevents cigarette smoke-induced gastrointestinal dysfunction in mice. Clinical Science, 2020, 134, 2943-2957.	4.3	3
114	Oestradiol Metabolites. , 2001, 31, 102-105.		2
115	E-Cigarettes: Inducing Inflammation that Spans Generations. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 286-287.	2.9	2
116	FSTL-1: A New Player in the Prevention of Emphysema. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 886-888.	5.6	2
117	Do antiâ€viral neutrophil responses exacerbate lung inflammation in asthma?. Respirology, 2016, 21, 10-11.	2.3	1
118	The vape has gone to your head. Brain, Behavior, and Immunity, 2020, 89, 5-6.	4.1	1
119	E-vaping and high-fat diet consumption: Itâ€™s all a hazy memory. Brain, Behavior, and Immunity, 2021, 95, 23-24.	4.1	1
120	SPLUNC1 Î±6 Peptidomimetic: A Novel Therapeutic for Asthma. American Journal of Respiratory Cell and Molecular Biology, 2021, , .	2.9	1
121	Cromakalim inhibits transmitter acetylcholine release in rat trachea by an action on epithelial cells and a diffusible factor. Naunyn-Schmiedeberg's Archives of Pharmacology, 2003, 368, 256-261.	3.0	0
122	Clinical utility of pulmonary function and blood biomarker measurements. Respirology, 2019, 24, 13-14.	2.3	0