David Peden

List of Publications by Year
in descending order

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112 papers	6,712 citations	41344 49 h-index	64796 79 g-index
114 all docs	114 docs citations	114 times ranked	7526 citing authors

#	Article	IF	Citations
1	Health effects of air pollution. Journal of Allergy and Clinical Immunology, 2004, 114, 1116-1123.	2.9	669
2	Asthma outcomes: Exacerbations. Journal of Allergy and Clinical Immunology, 2012, 129, S34-S48.	2.9	248
3	Climate change and allergic disease. Journal of Allergy and Clinical Immunology, 2008, 122, 443-453.	2.9	246
4	Environmental determinants of allergy and asthma in early life. Journal of Allergy and Clinical Immunology, 2017, 140, 1-12.	2.9	218
5	Ozone exposure has both a priming effect on allergen-induced responses and an intrinsic inflammatory action in the nasal airways of perennially allergic asthmatics.. American Journal of Respiratory and Critical Care Medicine, 1995, 151, 1336-1345.	5.6	193
6	Lung Function and Inflammatory Responses in Healthy Young Adults Exposed to 0.06 ppm Ozone for 6.6 Hours. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1215-1221.	5.6	174
7	Biological material on inhaled coarse fraction particulate matter activates airway phagocytes in vivo in healthy volunteers. Journal of Allergy and Clinical Immunology, 2006, 117, 1396-1403.	2.9	161
8	Low-Power Wearable Systems for Continuous Monitoring of Environment and Health for Chronic Respiratory Disease. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1251-1264.	6.3	159
9	Uric acid is a major antioxidant in human nasal airway secretions.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7638-7642.	7.1	158
10	Environmental and occupational allergies. Journal of Allergy and Clinical Immunology, 2010, 125, S150-S160.	2.9	150
11	Coarse Particulate Matter (PM _{2.5â€“10}) Affects Heart Rate Variability, Blood Lipids, and Circulating Eosinophils in Adults with Asthma. Environmental Health Perspectives, 2007, 115, 709-714.	6.0	137
12	The Relationship of Mucus Concentration (Hydration) to Mucus Osmotic Pressure and Transport in Chronic Bronchitis. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 182-190.	5.6	136
13	The epidemiology and genetics of asthma risk associated with air pollution. Journal of Allergy and Clinical Immunology, 2005, 115, 213-219.	2.9	128
14	Gene-Environment Interactions in Asthma and Other Respiratory Diseases. Annual Review of Medicine, 2005, 56, 383-400.	12.2	104
15	Allergen provocation augments endotoxin-induced nasal inflammation in subjects with atopic asthma. Journal of Allergy and Clinical Immunology, 2000, 105, 475-481.	2.9	101
16	Increased specific airway reactivity of persons with mild allergic asthma after 7.6 hours of exposure to 0.16 ppm ozoneâ˜†â˜†â˜†.... Journal of Allergy and Clinical Immunology, 1999, 104, 1198-1204.	2.9	99
17	Bradykinin and Respiratory Mucous Membranes: Analysis of Bradykinin Binding Site Distribution and Secretory ResponsesIn VitroandIn Vivo. The American Review of Respiratory Disease, 1990, 141, 706-714.	2.9	96
18	Air pollution in asthma: effect of pollutants on airway inflammation. Annals of Allergy, Asthma and Immunology, 2001, 87, 12-17.	1.0	95

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19	International expert consensus on the management of allergic rhinitis (AR) aggravated by air pollutants. World Allergy Organization Journal, 2020, 13, 100106.	3.5	94
20	CD14-dependent airway neutrophil response to inhaled LPS: Role of atopy. Journal of Allergy and Clinical Immunology, 2001, 107, 31-35.	2.9	93
21	Environmental effects on immune responses in patients with atopy and asthma. Journal of Allergy and Clinical Immunology, 2014, 134, 1001-1008.	2.9	93
22	COVID-19, asthma, and biological therapies: What we need to know. World Allergy Organization Journal, 2020, 13, 100126.	3.5	90
23	Prolonged acute exposure to 0.16 ppm ozone induces eosinophilic airway inflammation in asthmatic subjects with allergies. Journal of Allergy and Clinical Immunology, 1997, 100, 802-808.	2.9	89
24	Inhaled fluticasone propionate delivered by means of two different multidose powder inhalers is effective and safe in a large pediatric population with persistent asthma. Journal of Allergy and Clinical Immunology, 1998, 102, 32-38.	2.9	85
25	IL-1 receptor antagonist reduces endotoxin-induced airway inflammation in healthy volunteers. Journal of Allergy and Clinical Immunology, 2015, 135, 379-385.	2.9	79
26	Nasal lavage cytokines in normal, allergic, and asthmatic school-age children.. American Journal of Respiratory and Critical Care Medicine, 1995, 152, 1290-1296.	5.6	78
27	Phosphorylation of p65 Is Required for Zinc Oxide Nanoparticleâ€“Induced Interleukin 8 Expression in Human Bronchial Epithelial Cells. Environmental Health Perspectives, 2010, 118, 982-987.	6.0	77
28	Emerging concepts and challenges in implementing the exposome paradigm in allergic diseases and asthma: a Practall document. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 449-463.	5.7	77
29	In vivo Î³-tocopherol supplementation decreases systemic oxidative stress and cytokine responses of human monocytes in normal and asthmatic subjects. Free Radical Biology and Medicine, 2008, 45, 40-49.	2.9	76
30	Î³-Tocopherol prevents airway eosinophilia and mucous cell hyperplasia in experimentally induced allergic rhinitis and asthma. Clinical and Experimental Allergy, 2008, 38, 501-511.	2.9	73
31	Attenuation of host defense function of lung phagocytes in young cystic fibrosis patients. Journal of Cystic Fibrosis, 2006, 5, 17-25.	0.7	64
32	Eosinophil influx to the nasal airway after local, low-level LPS challenge in humansâ˜†â˜†â˜†. Journal of Allergy and Clinical Immunology, 1999, 104, 388-394.	2.9	63
33	Acute LPS inhalation in healthy volunteers induces dendritic cell maturation in vivo. Journal of Allergy and Clinical Immunology, 2005, 115, 345-350.	2.9	62
34	Nasal Secretion of the Ozone Scavenger Uric Acid. The American Review of Respiratory Disease, 1993, 148, 455-461.	2.9	61
35	Vitamin E, Î³-tocopherol, reduces airway neutrophil recruitment after inhaled endotoxin challenge in rats and in healthy volunteers. Free Radical Biology and Medicine, 2013, 60, 56-62.	2.9	61
36	Effect of inhaled endotoxin on airway and circulating inflammatory cell phagocytosis and CD11b expression in atopic asthmatic subjects. Journal of Allergy and Clinical Immunology, 2003, 112, 353-361.	2.9	58

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37	Modulation of asthma by endotoxin. Clinical and Experimental Allergy, 2011, 41, 9-19.	2.9	58
38	Incidence of allergy and allergy symptoms among workers exposed to laboratory animals. Occupational and Environmental Medicine, 2005, 62, 766-771.	2.8	56
39	Comparative airway inflammatory response of normal volunteers to ozone and lipopolysaccharide challenge. Inhalation Toxicology, 2010, 22, 648-656.	1.6	56
40	Low-level ozone exposure induces airways inflammation and modifies cell surface phenotypes in healthy humans. Inhalation Toxicology, 2010, 22, 593-600.	1.6	56
41	Low-dose airborne endotoxin exposure enhances bronchial responsiveness to inhaled allergen in atopic asthmatics. Journal of Allergy and Clinical Immunology, 2003, 112, 1241-1243.	2.9	55
42	Inhalation of low-dose endotoxin favors local TH2 response and primes airway phagocytes in vivo. Journal of Allergy and Clinical Immunology, 2004, 114, 1325-1331.	2.9	55
43	Ozone enhancement of lower airway allergic inflammation is prevented by Î³-tocopherol. Free Radical Biology and Medicine, 2007, 43, 1176-1188.	2.9	55
44	Flow cytometry of sputum: assessing inflammation and immune response elements in the bronchial airways. Inhalation Toxicology, 2011, 23, 392-406.	1.6	55
45	Fluticasone Propionate Protects against Ozone-Induced Airway Inflammation and Modified Immune Cell Activation Markers in Healthy Volunteers. Environmental Health Perspectives, 2008, 116, 799-805.	6.0	52
46	How Exposures to Biologics Influence the Induction and Incidence of Asthma. Environmental Health Perspectives, 2006, 114, 620-626.	6.0	51
47	Antioxidation theory of non-steroidal anti-inflammatory drugs based upon the inhibition of luminol-enhanced chemiluminescence from the myeloperoxidase reaction. Agents and Actions, 1982, 12, 371-376.	0.7	50
48	The role of oxidative stress and innate immunity in O₃ and endotoxinâ€induced human allergic airway disease. Immunological Reviews, 2011, 242, 91-105.	6.0	50
49	Gastrin-releasing peptide in human nasal mucosa.. Journal of Clinical Investigation, 1990, 85, 998-1005.	8.2	50
50	Allergen bronchoprovocation of patients with mild allergic asthma after ozone exposureâ˜†, â˜†â˜†, â˜…, â˜…â˜…. Journal of Allergy and Clinical Immunology, 1996, 98, 563-572.	2.9	49
51	Effect of Ozone Exposure on Airway Responses to Inhaled Allergen in Asthmatic Subjects. Chest, 2004, 125, 2328-2335.	0.8	49
52	Ozone enhances markers of innate immunity and antigen presentation on airway monocytes in healthy individuals. Journal of Allergy and Clinical Immunology, 2007, 120, 719-722.	2.9	49
53	The Influence of Variation in Type and Pattern of Symptoms on Assessment in Pediatric Asthma. Pediatrics, 2006, 118, 619-625.	2.1	48
54	Endotoxin Augments Myeloid Dendritic Cell Influx into the Airways in Patients with Allergic Asthma. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 1307-1313.	5.6	48

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55	Efficacy and Safety of Fluticasone Propionate/Salmeterol HFA 134A MDI in Patients with Mildâ€toâ€Moderate Persistent Asthma. Journal of Asthma, 2004, 41, 797-806.	1.7	45
56	Sublingual-oral administration of standardized allergenic extracts: phase 1 safety and dosing results. Annals of Allergy, Asthma and Immunology, 2008, 100, 475-481.	1.0	45
57	Gamma-tocopherol, a major form of vitamin E in diets: Insights into antioxidant and anti-inflammatory effects, mechanisms, and roles in disease management. Free Radical Biology and Medicine, 2022, 178, 347-359.	2.9	45
58	Progression of self-reported symptoms in laboratory animal allergy. Journal of Allergy and Clinical Immunology, 2005, 116, 127-132.	2.9	44
59	Blunting airway eosinophilic inflammation results in a decreased airway neutrophil response to inhaled LPS in patients with atopic asthma: A role for CD14. Journal of Allergy and Clinical Immunology, 2001, 108, 577-580.	2.9	40
60	Role of GSTM1 in resistance to lung inflammation. Free Radical Biology and Medicine, 2012, 53, 721-729.	2.9	40
61	Assessing the impact of air pollution on childhood asthma morbidity: how, when, and what to do. Current Opinion in Allergy and Clinical Immunology, 2018, 18, 124-131.	2.3	40
62	Comparison of the effects of antioxidant non-steroidal anti-inflammatory drugs against myeloperoxidase and hypochlorous acid luminol-enhanced chemiluminescence. Agents and Actions, 1982, 12, 232-238.	0.7	38
63	Protective Role of Interleukin-10 in Ozone-Induced Pulmonary Inflammation. Environmental Health Perspectives, 2010, 118, 1721-1727.	6.0	38
64	In vivo uptake of inhaled particles by airway phagocytes is enhanced in patients with mild asthma compared with normal volunteers. Thorax, 2009, 64, 313-320.	5.6	37
65	Airway hyperresponsiveness in patients with microvascular angina. Evidence for a diffuse disorder of smooth muscle responsiveness.. Circulation, 1990, 82, 2011-2017.	1.6	35
66	Health consequences associated with frequent wheezing in adolescents without asthma diagnosis. European Respiratory Journal, 2003, 22, 781-786.	6.7	35
67	Circulating CD11b expression correlates with the neutrophil response and airway mCD14 expression is enhanced following ozone exposure in humans. Clinical Immunology, 2004, 111, 126-131.	3.2	35
68	Acute asthma management during SARS-CoV2-pandemic 2020. World Allergy Organization Journal, 2020, 13, 100125.	3.5	35
69	Î³-Tocopherol Attenuates Ozone-induced Exacerbation of Allergic Rhinosinusitis in Rats. Toxicologic Pathology, 2009, 37, 481-491.	1.8	34
70	GSTM1 modulation of IL-8 expression in human bronchial epithelial cells exposed to ozone. Free Radical Biology and Medicine, 2011, 51, 522-529.	2.9	34
71	Bronchoscopy-Derived Correlates of Lung Injury following Inhalational Injuries: A Prospective Observational Study. PLoS ONE, 2013, 8, e64250.	2.5	30
72	Effect of inhaled dust mite allergen on regional particle deposition and mucociliary clearance in allergic asthmatics. Clinical and Experimental Allergy, 2011, 41, 1719-1728.	2.9	29

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73	Inflammatory Response of Monocytes to Ambient Particles Varies by Highway Proximity. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 802-809.	2.9	29
74	Combination Treatment with High-Dose Vitamin C and Alpha-Tocopherol does not Enhance Respiratory-Tract Lining Fluid Vitamin C Levels in Asthmatics. Inhalation Toxicology, 2009, 21, 173-181.	1.6	28
75	Enhancement of systemic and sputum granulocyte response to inhaled endotoxin in people with the GSTM1 null genotype. Occupational and Environmental Medicine, 2011, 68, 783-785.	2.8	28
76	Inhibition by nonsteroidal antiinflammatory drugs of luminol-dependent human-granulocyte chemiluminescence and [3H]FMLP binding. Inflammation, 1982, 6, 113-125.	3.8	27
77	Diminished chemiluminescent responses of polymorphonuclear leukocytes in severely and moderately preterm neonates. Journal of Pediatrics, 1987, 111, 904-906.	1.8	27
78	Vitamin E forms inhibit IL-13/STAT6-induced eotaxin-3 secretion by up-regulation of PAR4, an endogenous inhibitor of atypical PKC in human lung epithelial cells. Journal of Nutritional Biochemistry, 2012, 23, 602-608.	4.2	27
79	Severe DRESS Syndrome Managed With Therapeutic Plasma Exchange. Pediatrics, 2013, 131, e945-e949.	2.1	27
80	Recurrent syncope and anaphylaxis as presentation of systemic mastocytosis in a pediatric patient: Case report and literature review. Journal of the American Academy of Dermatology, 2006, 54, S210-S213.	1.2	26
81	Nasal Responses in Asthmatic and Nonasthmatic Subjects Following Exposure to Diesel Exhaust Particles. Inhalation Toxicology, 2006, 18, 589-594.	1.6	24
82	Wearable wireless sensors for chronic respiratory disease monitoring. , 2015, , .		22
83	Circulating neutrophil CD14 expression and the inverse association of ambient particulate matter on lung function in asthmatic children. Annals of Allergy, Asthma and Immunology, 2007, 99, 244-253.	1.0	21
84	The clear and persistent impact of air pollution on chronic respiratory diseases: a call for interventions. European Respiratory Journal, 2021, 57, 2002981.	6.7	21
85	Abnormal responses of granulocytes in chronic granulomatous disease. Biochimica Et Biophysica Acta - Biomembranes, 1981, 645, 49-53.	2.6	19
86	Allergenicity of roasted peanuts treated with a non-human digestive protease. Food Research International, 2015, 69, 341-347.	6.2	17
87	Can the effects of outdoor air pollution on asthma be mitigated?. Journal of Allergy and Clinical Immunology, 2019, 143, 2016-2018.e1.	2.9	16
88	EAACI position paper on the clinical use of the bronchial allergen challenge: Unmet needs and research priorities. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1667-1684.	5.7	12
89	Safety and benefits of inhaled hypertonic saline following airway challenges with endotoxin and allergen in asthmatics. Journal of Asthma, 2017, 54, 957-960.	1.7	11
90	Impairment of leukocyte myeloperoxidase bactericidal mechanisms with ketamine (KetalarÂ®). Agents and Actions, 1983, 13, 59-62.	0.7	8

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91	Luminol-dependent chemiluminescence analysis of human platelets. Microchemical Journal, 1980, 25, 514-523.	4.5	6
92	Prenatal exposure to particulate matter air pollution: AÂpreventable risk for childhood asthma. Journal of Allergy and Clinical Immunology, 2021, 148, 716-718.	2.9	6
93	Advances in environmental and occupational respiratory disease in 2007. Journal of Allergy and Clinical Immunology, 2008, 121, 1359-1362.	2.9	5
94	Inflammatory Cytokine Response to Ambient Particles Varies due to Field Collection Procedures. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 497-502.	2.9	5
95	Acute and durable effect of inhaled hypertonic saline on mucociliary clearance in adult asthma. ERJ Open Research, 2021, 7, 00062-2021.	2.6	5
96	A novel method for measuring initial-burst chemiluminescence in a liquid scintillation counter using the myeloperoxidase-H20î—¸Clâ˜ reaction. Microchemical Journal, 1982, 27, 221-230.	4.5	4
97	Clinically focused exome sequencing identifies an homozygous mutation that confers <scp>DOCK</scp>8 deficiency. Pediatric Allergy and Immunology, 2016, 27, 96-98.	2.6	4
98	Studies of neonatal polymorphonuclear leukocyte function using a novel microanalytic chemiluminescence technique. Microchemical Journal, 1986, 34, 222-229.	4.5	3
99	Inferring Respiratory Minute Volume from Wrist Motion. , 2019, 2019, 6935-6938.		3
100	PRELIMINARY EVENTS LEADING TO THE PRODUCTION OF LUMINOL-DEPENDENT CHEMILUMINESCENCE BY HUMAN GRANULOCYTES. , 1981, , 45-53.		3
101	Development and Application of an Open Tool for Sharing and Analyzing Integrated Clinical and Environmental Exposures Data: Asthma Use Case. JMIR Formative Research, 2022, 6, e32357.	1.4	3
102	Multipurpose radiomatic automated flow liquid scintillation counter system for measurement of burst or delayed chemiluminescence reactions: Model-drug inhibition with luminol-dependent myeloperoxidase. Microchemical Journal, 1982, 27, 276-289.	4.5	2
103	Studies of luminol-dependent whole-blood chemiluminescence induced by platelet-activating factor (PAF). Microchemical Journal, 1985, 31, 261-271.	4.5	2
104	The measurement of chemiluminescence, aggregation, and 5-hydroxy-6,8,11,14-eicosatetraenoic acid production of n-formyl-methioninyl-leucyl-phenylalanine-stimulated human polymorphonuclear leukocytes. Microchemical Journal, 1985, 31, 22-28.	4.5	2
105	Does air pollution cause asthma exacerbations in children?. Annals of Allergy, Asthma and Immunology, 2003, 90, 1-2.	1.0	1
106	Environmental Control: The First Tenet of Allergy. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 36-37.	3.8	1
107	ARACHIDONATE - BASED CHEMILUMINESCENCE IN HUMAN GRANULOCYTES AND PLATELETS USING THE MONOLIGHT 301 (DRUG STUDIES). , 1981, , 385-390.		1
108	SUBLINGUAL-ORAL ADMINISTRATION OF STANDARDIZED ALLERGENIC EXTRACTS: PHASE 1 SAFETY AND DOSING RESULTS. Annals of Allergy, Asthma and Immunology, 2008, 101, 445-446.	1.0	0

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109	Occupational Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 783-784.	3.8	0
110	Allergens and Pollutants. , 2006, , 247-287.		0
111	Approaches to the Measurement of Chemiluminescence or Bioluminescence in a Single Cell. , 1989, , 407-415.		0
112	JACI: Global is now ready for boarding!. , 2022, 1, 1.		0