Donald W Cockcroft

List of Publications by Year
in descending order

118 papers	3,681 citations	147726 31 h-index	133188 59 g-index
122 all docs	122 docs citations	122 times ranked	2953 citing authors

#	Article	IF	Citations
1	Mechanisms of airway hyperresponsiveness. Journal of Allergy and Clinical Immunology, 2006, 118, 551-559.	1.5	354
2	ERS technical standard on bronchial challenge testing: general considerations and performance of methacholine challenge tests. European Respiratory Journal, 2017, 49, 1601526.	3.1	237
3	Effects of Interleukin-13 Blockade on Allergen-induced Airway Responses in Mild Atopic Asthma. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1007-1014.	2.5	215
4	Direct Challenge Tests. Chest, 2010, 138, 18S-24S.	0.4	181
5	Inhaled Corticosteroids Do Not Prevent the Development of Tolerance to the Bronchoprotective Effect of Salmeterol. Chest, 1996, 109, 953-956.	0.4	161
6	Rapid Onset of Tolerance to the Bronchoprotective Effect of Salmeterol. Chest, 1995, 108, 1235-1239.	0.4	160
7	Antisense Therapy against CCR3 and the Common Beta Chain Attenuates Allergen-induced Eosinophilic Responses. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 952-958.	2.5	139
8	Efficacy and safety of multiple doses of QGE031 (ligelizumab) versus omalizumab and placebo in inhibiting allergen-induced early asthmatic responses. Journal of Allergy and Clinical Immunology, 2016, 138, 1051-1059.	1.5	122
9	Nonspecific interstitial pneumonia and usual interstitial pneumonia with mutation in surfactant protein C in familial pulmonary fibrosis. Modern Pathology, 2004, 17, 973-980.	2.9	96
10	The effects of an anti-CD11a mAb, efalizumab, on allergen-induced airway responses and airway inflammation in subjects with atopic asthma. Journal of Allergy and Clinical Immunology, 2003, 112, 331-338.	1.5	94
11	ERS technical standard on bronchial challenge testing: pathophysiology and methodology of indirect airway challengeÂtesting. European Respiratory Journal, 2018, 52, 1801033.	3.1	94
12	Methacholine test and the diagnosis of asthma. Journal of Allergy and Clinical Immunology, 2012, 130, 556.	1.5	85
13	Lung function and respiratory symptoms in a randomized smoking cessation trial of electronic cigarettes. Clinical Science, 2016, 130, 1929-1937.	1.8	83
14	Mast cell tryptase release and asthmatic responses to allergen increase with regular use of salbutamol. Journal of Allergy and Clinical Immunology, 2000, 106, 57-64.	1.5	80
15	Methacholine Challenge. Chest, 2005, 127, 839-844.	0.4	79
16	The bronchoprotective effect of inhaling methacholine by using total lung capacity inspirations has a marked influence on the interpretation of the test result. Journal of Allergy and Clinical Immunology, 2006, 117, 1244-1248.	1.5	79
17	Salbutamol-induced increased airway responsiveness to allergen and reduced protection versus methacholine: Dose response. Journal of Allergy and Clinical Immunology, 1996, 97, 47-52.	1.5	74
18	ULTIMOBRANCHIAL ORIGIN OF CALCITONIN. HYPOCALCEMIC EFFECT OF EXTRACTS FROM CHICKEN GLANDS. Canadian Journal of Physiology and Pharmacology, 1967, 45, 1095-1099.	0.7	70

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19	Difference Between Dosimeter and Tidal Breathing Methacholine Challenge. Chest, 2005, 128, 4018-4023.	0.4	62
20	Importance of Evaporative Water Losses During Standardized Nebulized Inhalation Provocation Tests. Chest, 1989, 96, 505-508.	0.4	58
21	Methacholine Challenge. Chest, 2001, 120, 1857-1860.	0.4	52
22	Tolerance to the bronchoprotective effect of Î²2 -agonists: Comparison of the enantiomers of salbutamol with racemic salbutamol and placebo. Journal of Allergy and Clinical Immunology, 1999, 103, 1049-1053.	1.5	47
23	Bronchoprovocation Methods: Direct Challenges. Clinical Reviews in Allergy and Immunology, 2003, 24, 19-26.	2.9	46
24	Tolerance to the Bronchoprotective Effect of Salmeterol 12 Hours After Starting Twice Daily Treatment. Annals of Allergy, Asthma and Immunology, 1998, 80, 31-34.	0.5	45
25	ELR-CXC Chemokine Receptor Antagonism Targets Inflammatory Responses at Multiple Levels. Journal of Immunology, 2009, 182, 3213-3222.	0.4	44
26	Prolonged bronchoprotection against inhaled methacholine by inhaled BI 1744, a long-acting Î²2-agonist, in patients with mild asthma. Journal of Allergy and Clinical Immunology, 2009, 124, 1217-1221.	1.5	44
27	Comparison of 3 different doses of budesonide and placebo on the early asthmatic response to inhaled allergen. Journal of Allergy and Clinical Immunology, 1998, 102, 363-367.	1.5	43
28	Methacholine PC20 Extrapolation. Chest, 1998, 114, 1796-1797.	0.4	43
29	Dosimeter methacholine challenge: Comparison of maximal versus submaximal inhalations. Journal of Allergy and Clinical Immunology, 2004, 114, 517-519.	1.5	43
30	Airway Responsiveness to Inhaled Histamine in Chronic Obstructive Airways Disease. Chest, 1988, 94, 457-461.	0.4	40
31	Constrictive Bronchiolitis and Ulcerative Colitis. Canadian Respiratory Journal, 1999, 6, 197-200.	0.8	34
32	Diagnostic and therapeutic value of airway challenges in asthma. Current Allergy and Asthma Reports, 2009, 9, 247-253.	2.4	31
33	Understanding Allergic Asthma from Allergen Inhalation Tests. Canadian Respiratory Journal, 2007, 14, 414-418.	0.8	27
34	International consensus on lung function testing during the COVID-19 pandemic and beyond. ERJ Open Research, 2022, 8, 00602-2021.	1.1	27
35	Environmental Causes of Asthma. Seminars in Respiratory and Critical Care Medicine, 2018, 39, 012-018.	0.8	23
36	Formoterol Thrice Weekly Does Not Result in the Development of Tolerance to Bronchoprotection. Canadian Respiratory Journal, 2003, 10, 23-26.	0.8	22

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37	Correlation between airway inflammation and loss of deep-inhalation bronchoprotection in asthma. Annals of Allergy, Asthma and Immunology, 2008, 101, 413-418.	0.5	21
38	Past, present and future uses of methacholine testing. Expert Review of Respiratory Medicine, 2012, 6, 321-329.	1.0	20
39	Prevalence and determinants of atopy and allergic diseases among school-age children in rural Saskatchewan, Canada. Annals of Allergy, Asthma and Immunology, 2014, 113, 430-439.	0.5	20
40	Thunderstorm asthma: An allergen-induced early asthmatic response. Annals of Allergy, Asthma and Immunology, 2018, 120, 120-123.	0.5	20
41	Calculation of Provocative Concentration Causing a 20% Fall in FEV1. Chest, 2000, 117, 881-883.	0.4	19
42	Regular Inhaled Salbutamol. Chest, 2001, 119, 370-375.	0.4	19
43	Deep Inspiration Avoidance and Methacholine Response in Normal Subjects and Patients With Asthma. Chest, 2005, 127, 135-142.	0.4	19
44	The effect of glycopyrronium and indacaterol, as monotherapy and in combination, on the methacholine dose-response curve of mild asthmatics: a randomized three-way crossover study. Respiratory Research, 2017, 18, 146.	1.4	19
45	Methacholine challenge testing: comparative pharmacology. Journal of Asthma and Allergy, 2018, Volume 11, 89-99.	1.5	19
46	Duration of bronchoprotection of the long-acting muscarinic antagonists tiotropium & glycopyrronium against methacholine-induced bronchoconstriction in mild asthmatics. Respiratory Medicine, 2016, 118, 96-101.	1.3	18
47	Comparison of the Provocative Concentration of Methacholine Causing a 20% Fall in FEV₁ between the AeroEclipse II Breath-Actuated Nebulizer and the Wright Nebulizer in Adult Subjects with Asthma. Annals of the American Thoracic Society, 2015, 12, 1039-1043.	1.5	17
48	Salmeterol and Airway Response to Allergen. Canadian Respiratory Journal, 1997, 4, 37-40.	0.8	16
49	Dose versus concentration of methacholine. Annals of Allergy, Asthma and Immunology, 1999, 83, 229-230.	0.5	16
50	Are inhaled longacting Î²2 agonists detrimental to asthma?. Lancet Respiratory Medicine,the, 2013, 1, 339-346.	5.2	14
51	Epidemic thunderstorm asthma. Lancet Planetary Health, The, 2018, 2, e236-e237.	5.1	14
52	Allergen provocation tests in respiratory research: building on 50â€…years of experience. European Respiratory Journal, 2022, 60, 2102782.	3.1	14
53	Inhaled Î²2 -agonists and airway responses to allergenâ˜†â˜†â˜†â˜…â˜……. Journal of Allergy and Clinical Immunology, 1998, 102, S96-S99.	1.5	13
54	Extrapolation of Methacholine PC20. Chest, 2002, 122, 1499-1500.	0.4	13

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55	Methacholine Challenge Testing. Chest, 2017, 152, 1251-1257.	0.4	13
56	Familial Interstitial Pulmonary Fibrosis: A Large Family with Atypical Clinical Features. Canadian Respiratory Journal, 2010, 17, 269-274.	0.8	11
57	Calcitoninâ€"Ultimobranchial Hormone. , 1968, , 306-321.		11
58	Pulmonary fibrosis in dyskeratosis congenita: report of 2 cases. Human Pathology, 2015, 46, 147-152.	1.1	10
59	The PD 20 but not the PC 20 in a methacholine challenge test is device independent. Annals of Allergy, Asthma and Immunology, 2017, 118, 508-509.	0.5	10
60	Methacholine Challenge: Comparison of Airway Responsiveness Produced by a Vibrating Mesh Nebulizer Versus a Jet Nebulizer. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2018, 31, 88-93.	0.7	10
61	Methacholine Challenge Methods. Chest, 2008, 134, 678-680.	0.4	9
62	Salbutamol tolerance to bronchoprotection: course of onset. Annals of Allergy, Asthma and Immunology, 2012, 109, 454-457.	0.5	9
63	Importance of dosimeter calibration method on nebulizer output. Annals of Allergy, Asthma and Immunology, 2005, 94, 45-47.	0.5	8
64	Development of a Methacholine Challenge Method to Minimize Methacholine Waste. Chest, 2003, 124, 1522-1525.	0.4	7
65	Methacholine Challenge. PD20versus PC20. Annals of the American Thoracic Society, 2015, 12, 291-292.	1.5	7
66	Airway hyperresponsiveness and chronic obstructive pulmonary disease outcomes. Journal of Allergy and Clinical Immunology, 2016, 138, 1580-1581.	1.5	7
67	Bronchial Challenge Testing. , 2014, , 1042-1055.		7
68	Deep inhalation bronchoprotection in asthma: Correlation with airway responsiveness. Journal of Allergy and Clinical Immunology, 2006, 117, 951-952.	1.5	6
69	METHACHOLINE PC20: 1-POINT FORMULA. Annals of Allergy, Asthma and Immunology, 2007, 98, 498-499.	0.5	6
70	Allergen-Induced Asthma. Canadian Respiratory Journal, 2014, 21, 279-282.	0.8	6
71	Allergen inhalation challenge, refractoriness and the effects of ibuprofen. Allergy, Asthma and Clinical Immunology, 2016, 12, 24.	0.9	6
72	Comparison of methacholine and mannitol challenges: importance of method of methacholine inhalation. Allergy, Asthma and Clinical Immunology, 2020, 16, 14.	0.9	6

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73	OUTPATIENT ASTHMA MANAGEMENT. Medical Clinics of North America, 1996, 80, 701-718.	1.1	5
74	Lack of Tachyphylaxis to Methacholine at 24 h. Chest, 2005, 128, 1248-1251.	0.4	5
75	Histamine and methacholine challenge cut points. Annals of Allergy, Asthma and Immunology, 2010, 104, 450-451.	0.5	5
76	Low levels of fractional exhaled nitric oxide and deep inhalation bronchoprotection are associated with mannitol non-responsiveness in asthma. Respiratory Medicine, 2014, 108, 859-864.	1.3	5
77	Direct bronchoprovocation test methods: history 1945â€“2018. Expert Review of Respiratory Medicine, 2019, 13, 279-289.	1.0	5
78	Overreliance on Bronchodilators as a Risk Factor for Life-Threatening Asthma. Canadian Respiratory Journal, 1995, 2, 34-39.	0.8	4
79	As-Needed Inhaled ??2-Adrenoceptor Agonists in??Moderate-to-Severe Asthma. Treatments in Respiratory Medicine, 2005, 4, 169-174.	1.4	4
80	Methacholine Challenge. Clinical Pulmonary Medicine, 2007, 14, 1-6.	0.3	4
81	Respiratory Duty Cycles in Individuals WithÂand Without Airway Hyperresponsiveness. Chest, 2020, 157, 356-362.	0.4	4
82	The effect of deep inhalation on mannitol responsiveness. Clinical and Experimental Allergy, 2020, 50, 308-314.	1.4	4
83	Determination of Post-Salbutamol Methacholine Dose Shift. Chest, 1996, 110, 579-580.	0.4	3
84	At Least Three FEV 1 Blows Are Required at Each Time Point During the Assessment of Bronchial Hyperresponsiveness. Chest, 2005, 128, 470.	0.4	3
85	Effect of ingested H1 antihistamines on methacholine challenge. Journal of Allergy and Clinical Immunology, 2015, 135, 579-580.	1.5	3
86	Bronchoprotective effect of vilanterol against methacholine-induced bronchoconstriction in mild asthmatics. Annals of Allergy, Asthma and Immunology, 2018, 121, 328-332.	0.5	3
87	Short-term effect of once-daily fluticasone furoate on methacholine-induced bronchoconstriction in mild asthmatics. Respiratory Medicine, 2019, 156, 53-57.	1.3	3
88	Methacholine Challenge Testing in the Diagnosis of Asthma. Chest, 2020, 158, 433-434.	0.4	3
89	Characterizing the early and late asthmatic responses in the allergen inhalation challenge. Annals of Allergy, Asthma and Immunology, 2021, 126, 600-602.	0.5	3
90	Atopy risk among school-aged children in relation to early exposures to a farm environment: A systematic review. Respiratory Medicine, 2021, 186, 106378.	1.3	3

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91	Frederick E. â€œFreddyâ€•Hargreave, MB ChB, MD. Annals of Allergy, Asthma and Immunology, 2016, 116, 271-273.	0.5	2
92	Use of a vibrating mesh nebulizer for allergen challenge. Allergy, Asthma and Clinical Immunology, 2019, 15, 73.	0.9	2
93	Acute salbutamol bronchoprotection against methacholine. Annals of Allergy, Asthma and Immunology, 2020, 124, 633-634.	0.5	2
94	Bronchial Challenge Testing. , 2009, , 1295-1308.		2
95	Asthma and Therapeutics: Recombinant Therapies in Asthma. Allergy, Asthma and Clinical Immunology, 2005, 1, 34.	0.9	1
96	Comparison of doubling and quadrupling methacholine concentration regimens using the tidal volume method. Annals of Allergy, Asthma and Immunology, 2011, 106, 74-76.	0.5	1
97	Diversity of methacholine dose-response curves among asymptomatic non-asthmatics. Respiratory Medicine, 2017, 132, 109-111.	1.3	1
98	Reversible bilateral phrenic nerve paralysis. Respiratory Medicine Case Reports, 2019, 28, 100953.	0.2	1
99	Obesity and airway hyper-responsiveness. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine, 2019, 3, 112-116.	0.2	1
100	Within-tester repeatability and between-tester reproducibility of skin test endpoint titration. Annals of Allergy, Asthma and Immunology, 2019, 122, 220-222.	0.5	1
101	Direct and indirect bronchoprovocation tests in doseâ€response studies of inhaled corticosteroids: Past, present, and future directions. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 76, 1679-1692.	2.7	1
102	Assessment Of Ratio Of Peak Expiratory Flow Rate To Vital Capacity For Identifying Pulmonary Fibrosis. Clinical and Investigative Medicine, 2021, 44, E25-27.	0.3	1
103	Effect of daily tiotropium on allergen-induced early asthmatic responses and airway inflammation. Annals of Allergy, Asthma and Immunology, 2022, , .	0.5	1
104	Is the Result of Methacholine Challenge Accurate for Assessing the Bronchoprotective Effects of Long-Acting Î²-Adrenergic Bronchodilators?-To the Editor. Chest, 1996, 110, 305-306.	0.4	0
105	Loss of Bronchoprotection With Salmeterol-To the Editor. Chest, 1996, 110, 306.	0.4	0
106	Protease Inhibitor Phenotype BsaskatoonM Is Not Associated with Emphysema â€“ A 20-Year Follow-Up Study. Canadian Respiratory Journal, 1999, 6, 407-411.	0.8	0
107	Abbreviated Methacholine Challenge. Chest, 2002, 122, 753.	0.4	0
108	Value of the diluent step in methacholine challenge tests. Annals of Allergy, Asthma and Immunology, 2002, 89, 4-6.	0.5	0

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109	Magnitude of Bronchoprotection of Albuterol vs Methacholine. Chest, 2006, 130, 622-623.	0.4	0
110	Allergens. , 2009, , 443-455.		0
111	Characterization of the methacholine PC15. Annals of Allergy, Asthma and Immunology, 2011, 107, 371.	0.5	0
112	Deep inhalation bronchoprotection. Annals of Allergy, Asthma and Immunology, 2012, 109, 74-75.	0.5	0
113	An Uncommon Cause of Wheeze. Journal of Allergy and Clinical Immunology: in Practice, 2014, 2, 616-617.	2.0	0
114	Respiratory Medicine in Saskatchewan: An Historical Perspective. Canadian Respiratory Journal, 2015, 22, e27-e32.	0.8	0
115	Comparability of methacholine challenge test results between two jet nebulizers. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine, 2018, 2, 69-71.	0.2	0
116	Regular use effect of inhaled ipratropium bromide and methacholine responsiveness in well-controlled asthma. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine, 2020, , 1-6.	0.2	0
117	Nasal and Bronchial Provocation Tests. , 2009, , 49-62.		0
118	Nasal and Bronchial Nonallergic Provocation Tests. , 2009, , 63-79.		0