Brendan J Canning

List of Publications by Year
in descending order

96 papers	5,946 citations	76196 40 h-index	74018 75 g-index
112 all docs	112 docs citations	112 times ranked	3822 citing authors

#	Article	IF	Citations
1	Diagnosis and Management of Cough Executive Summary. Chest, 2006, 129, 1S-23S.	0.4	677
2	Identification of the tracheal and laryngeal afferent neurones mediating cough in anaesthetized guinea-pigs. Journal of Physiology, 2004, 557, 543-558.	1.3	354
3	Treatment of Unexplained Chronic Cough. Chest, 2016, 149, 27-44.	0.4	263
4	Cholinergic chemosensory cells in the trachea regulate breathing. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9478-9483.	3.3	233
5	Anatomy and Neurophysiology of Cough. Chest, 2014, 146, 1633-1648.	0.4	227
6	Vagal afferent nerves regulating the cough reflex. Respiratory Physiology and Neurobiology, 2006, 152, 223-242.	0.7	207
7	Reflex regulation of airway smooth muscle tone. Journal of Applied Physiology, 2006, 101, 971-985.	1.2	203
8	A worldwide survey of chronic cough: a manifestation of enhanced somatosensory response. European Respiratory Journal, 2014, 44, 1149-1155.	3.1	202
9	Synergistic interactions between airway afferent nerve subtypes regulating the cough reflex in guinea-pigs. Journal of Physiology, 2005, 569, 559-573.	1.3	180
10	Neural regulation of airway smooth muscle tone. Respiration Physiology, 2001, 125, 113-127.	2.8	170
11	Inhibition of FcÎµRI-dependent mediator release and calcium flux from human mast cells by sialic acidâ€“binding immunoglobulin-like lectin 8 engagement. Journal of Allergy and Clinical Immunology, 2008, 121, 499-505.e1.	1.5	144
12	Anatomy and Neurophysiology of the Cough Reflex. Chest, 2006, 129, 33S-47S.	0.4	140
13	Synergistic interactions between airway afferent nerve subtypes mediating reflex bronchospasm in guinea pigs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R86-R98.	0.9	110
14	Using guinea pigs in studies relevant to asthma and COPD. Pulmonary Pharmacology and Therapeutics, 2008, 21, 702-720.	1.1	87
15	Overview of the Management of Cough. Chest, 2014, 146, 885-889.	0.4	86
16	Selective Expression of a Sodium Pump Isozyme by Cough Receptors and Evidence for Its Essential Role in Regulating Cough. Journal of Neuroscience, 2009, 29, 13662-13671.	1.7	84
17	Central regulation of the cough reflex: Therapeutic implications. Pulmonary Pharmacology and Therapeutics, 2009, 22, 75-81.	1.1	83
18	Mechanistic studies of acid-evoked coughing in anesthetized guinea pigs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R454-R463.	0.9	82

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19	Cough hypersensitivity and chronic cough. Nature Reviews Disease Primers, 2022, 8, .	18.1	80
20	Reflex mechanisms in gastroesophageal reflux disease and asthma. American Journal of Medicine, 2003, 115, 45-48.	0.6	79
21	Selective silencing of Na_V1.7 decreases excitability and conduction in vagal sensory neurons. Journal of Physiology, 2011, 589, 5663-5676.	1.3	78
22	Afferent Nerves Regulating the Cough Reflex: Mechanisms and Mediators of Cough in Disease. Otolaryngologic Clinics of North America, 2010, 43, 15-25.	0.5	77
23	Encoding of the cough reflex in anesthetized guinea pigs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R369-R377.	0.9	74
24	Differential effects of airway afferent nerve subtypes on cough and respiration in anesthetized guinea pigs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1572-R1584.	0.9	73
25	Regulation of baseline cholinergic tone in guinea-pig airway smooth muscle. Journal of Physiology, 1999, 518, 843-855.	1.3	72
26	Multiple mechanisms of reflex bronchospasm in guinea pigs. Journal of Applied Physiology, 2001, 91, 2642-2653.	1.2	70
27	Central nervous system control of the airways: pharmacological implications. Current Opinion in Pharmacology, 2002, 2, 220-228.	1.7	68
28	Morphologic Characterization of Nerves in Whole-Mount Airway Biopsies. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 30-39.	2.5	67
29	An essential component to brainstem cough gating identified in anesthetized guinea pigs. FASEB Journal, 2010, 24, 3916-3926.	0.2	63
30	Encoding of the cough reflex. Pulmonary Pharmacology and Therapeutics, 2007, 20, 396-401.	1.1	61
31	Evidence for Differential Reflex Regulation of Cholinergic and Noncholinergic Parasympathetic Nerves Innervating the Airways. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 1076-1083.	2.5	59
32	Reflex regulation of airway sympathetic nerves in guinea-pigs. Journal of Physiology, 2006, 573, 549-564.	1.3	57
33	Endogenous neurokinins facilitate synaptic transmission in guinea pig airway parasympathetic ganglia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R320-R330.	0.9	55
34	Modeling asthma and COPD in animals: a pointless exercise?. Current Opinion in Pharmacology, 2003, 3, 244-250.	1.7	53
35	Evidence for an esophageal origin of VIP-IR and NO synthase-IR nerves innervating the guinea pig trachealis: A retrograde neuronal tracing and immunohistochemical analysis. , 1998, 394, 326-334.		52
36	Correlation of Vasoactive Intestinal Peptide and Nitric Oxide Synthase with Choline Acetyltransferase in the Airway Innervation. Annals of the New York Academy of Sciences, 2006, 805, 717-722.	1.8	47

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37	Adenosine receptorâ€mediated contraction and relaxation of guineaâ€pig isolated tracheal smooth muscle: effects of adenosine antagonists. British Journal of Pharmacology, 1988, 95, 371-378.	2.7	46
38	Interactions between Vagal Afferent Nerve Subtypes Mediating Cough. Pulmonary Pharmacology and Therapeutics, 2002, 15, 187-192.	1.1	46
39	Assessment of Intervention Fidelity and Recommendations for Researchers Conducting Studies on the Diagnosis and Treatment of Chronic Cough in the Adult. Chest, 2015, 148, 32-54.	0.4	46
40	Mrgprs on vagal sensory neurons contribute to bronchoconstriction and airway hyper-responsiveness. Nature Neuroscience, 2018, 21, 324-328.	7.1	46
41	Functional implications of the multiple afferent pathways regulating cough. Pulmonary Pharmacology and Therapeutics, 2011, 24, 295-299.	1.1	44
42	Selective inhibition of vagal afferent nerve pathways regulating cough using Nav 1.7 shRNA silencing in guinea pig nodose ganglia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R1017-R1023.	0.9	43
43	Neurology of allergic inflammation and rhinitis. Current Allergy and Asthma Reports, 2002, 2, 210-215.	2.4	41
44	Tracheal brush cells release acetylcholine in response to bitter tastants for paracrine and autocrine signaling. FASEB Journal, 2020, 34, 316-332.	0.2	41
45	The Cough Reflex in Animals: Relevance to Human Cough Research. Lung, 2008, 186, 23-28.	1.4	37
46	Laryngeal and tracheal afferent nerve stimulation evokes swallowing in anaesthetized guinea pigs. Journal of Physiology, 2013, 591, 4667-4679.	1.3	37
47	Nitric Oxideâ€“dependent Modulation of Smooth-Muscle Tone by Airway Parasympathetic Nerves. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 481-488.	2.5	36
48	Opposing effects of bronchopulmonary C-fiber subtypes on cough in guinea pigs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R489-R498.	0.9	36
49	Bronchodilator activity of bitter tastants in human tissue. Nature Medicine, 2011, 17, 776-776.	15.2	35
50	Pharmacology of Bradykinin-Evoked Coughing in Guinea Pigs. Journal of Pharmacology and Experimental Therapeutics, 2016, 357, 620-628.	1.3	35
51	Parainfluenza 3-Induced Cough Hypersensitivity in the Guinea Pig Airways. PLoS ONE, 2016, 11, e0155526.	1.1	35
52	P2X3-Receptor Antagonists as Potential Antitussives: Summary of Current Clinical Trials in Chronic Cough. Lung, 2020, 198, 609-616.	1.4	34
53	Antitussive Effects of Memantine in Guinea Pigs. Chest, 2012, 141, 996-1002.	0.4	31
54	Autonomic neural control of the airways. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 117, 215-228.	1.0	30

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55	Methodologies for the Development of the Management of Cough. Chest, 2014, 146, 1395-1402.	0.4	29
56	Coughing Precipitated by Bordetella pertussis Infection. Lung, 2010, 188, 73-79.	1.4	28
57	Localization of Heme Oxygenase-2 Immunoreactivity to Parasympathetic Ganglia of Human and Guinea-pig Airways. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 279-285.	1.4	26
58	Back to the future: re-establishing guinea pigin vivoasthma models. Clinical Science, 2020, 134, 1219-1242.	1.8	26
59	Neuronal Modulation of Airway and Vascular Tone and Their Influence on Nonspecific Airways Responsiveness in Asthma. Journal of Allergy, 2012, 2012, 1-7.	0.7	24
60	Acute activation of bronchopulmonary vagal nociceptors by type I interferons. Journal of Physiology, 2020, 598, 5541-5554.	1.3	24
61	Control of Neurotransmission by NaV1.7 in Human, Guinea Pig, and Mouse Airway Parasympathetic Nerves. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 172-180.	1.3	23
62	The Effects of Ozone on Immune Function. Environmental Health Perspectives, 1995, 103, 77.	2.8	22
63	An in vivo guinea pig preparation for studying the autonomic regulation of airway smooth muscle tone. Autonomic Neuroscience: Basic and Clinical, 2002, 99, 91-101.	1.4	22
64	Is There (Will There Be) a Post-COVID-19 Chronic Cough?. Lung, 2020, 198, 863-865.	1.4	22
65	Life-Threatening and Non-Life-Threatening Complications Associated With Coughing. Chest, 2020, 158, 2058-2073.	0.4	22
66	Sympathetic nerve-dependent regulation of mucosal vascular tone modifies airway smooth muscle reactivity. Journal of Applied Physiology, 2010, 109, 1292-1300.	1.2	21
67	Antitussive effects of the peripherally restricted GABAB receptor agonist lesogaberan in guinea pigs: Comparison to baclofen and other GABAB receptor-selective agonists. Cough, 2012, 8, 7.	2.7	21
68	Role of nerves in asthmatic inflammation and potential influence of gastroesophageal reflux disease. American Journal of Medicine, 2001, 111, 13-17.	0.6	19
69	Gastroesophageal Reflux Disease in Children with Asthma. Paediatric Drugs, 2005, 7, 177-186.	1.3	19
70	Animal models of asthma and chronic obstructive pulmonary disease. Pulmonary Pharmacology and Therapeutics, 2008, 21, 695.	1.1	17
71	Neurokinin3 receptor regulation of the airways. Vascular Pharmacology, 2006, 45, 227-234.	1.0	16
72	Selective agents for muscarinic receptors linked to phosphoinositide breakdown. European Journal of Pharmacology, 1988, 154, 161-167.	1.7	15

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73	Fluorescent styryl dyes FM1-43 and FM2-10 are muscarinic receptor antagonists: intravital visualization of receptor occupancy. Journal of Physiology, 2006, 575, 23-35.	1.3	15
74	Effect of Memantine on Cough Reflex Sensitivity: Translational Studies in Guinea Pigs and Humans. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 448-454.	1.3	15
75	Eight International London Cough Symposium 2014: Cough hypersensitivity syndrome as the basis for chronic cough. Pulmonary Pharmacology and Therapeutics, 2015, 35, 76-80.	1.1	15
76	Central inhibition of initiation of swallowing by systemic administration of diazepam and baclofen in anaesthetized rats. American Journal of Physiology - Renal Physiology, 2017, 312, G498-G507.	1.6	15
77	Innervation of the airways: introduction. Respiration Physiology, 2001, 125, 1-2.	2.8	11
78	Nicotinic receptor dependent regulation of cough and other airway defensive reflexes. Pulmonary Pharmacology and Therapeutics, 2019, 58, 101810.	1.1	11
79	Evidence for autocrine and paracrine regulation of allergen-induced mast cell mediator release in the guinea pig airways. European Journal of Pharmacology, 2018, 822, 108-118.	1.7	8
80	Parasympathetic Innervation of Airways Smooth Muscle. , 1994, , 43-78.		7
81	Sensory Pathways for the Cough Reflex. , 0, , 159-172.		6
82	Antitussive effects of NaV 1.7 blockade in Guinea pigs. European Journal of Pharmacology, 2021, 907, 174192.	1.7	6
83	Inflammation in Asthma. , 1999, , 19-54.		5
84	Evidence for alpha7 nicotinic receptor activation during the cough suppressing effects induced by nicotine and identification of ATA-101 as a potential novel therapy for the treatment of chronic cough. Journal of Pharmacology and Experimental Therapeutics, 2021, , JPET-AR-2021-000641.	1.3	5
85	Reflexes Initiated by Activation of the Vagal Afferent Nerves Innervating the Airways and Lungs. Frontiers in Neuroscience, 2005, , 403-430.	0.0	4
86	The Seventh International Symposium on Cough: Hypertussivity and allotussivity. Pulmonary Pharmacology and Therapeutics, 2013, 26, 475.	1.1	3
87	Regulation of cough by neuronal Na+â€“K+ ATPases. Current Opinion in Pharmacology, 2015, 22, 140-145.	1.7	3
88	Overview of Animal Models of Asthma. Current Protocols in Pharmacology, 2002, 16, Unit 5.25.	4.0	2
89	Cough and dyspneaâ€”taking your breath away!. Current Opinion in Pharmacology, 2011, 11, 193-194.	1.7	2
90	Targeting the GABAB Receptors for the Treatment of Gastroesophageal Reflux Disease and Chronic Cough. , 2016, , 309-336.		1

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91	Nicotinic Acetylcholine Receptor Assays. Current Protocols in Pharmacology, 1999, 4, Unit 4.12.	4.0	0
92	MECHANISMS OF BRADYKININ EVOKED COUGH. , 2010, , .		0
93	Afferent Pathways Regulating the Cough Reflex. Lung Biology in Health and Disease, 2005, , 25-48.	0.1	0
94	Evidence for swallowing reflexes evoked by acid and mechanical stimulation of the vagal afferent nerves innervating the larynx in anesthetized guinea pigs. FASEB Journal, 2013, 27, 1157.8.	0.2	0
95	Neuronal Control of Airway Function in Allergy. , 2014, , 378-388.		0
96	NMDA receptors and Nitric Oxide Synthase Regulate Encoding of Cough in the nTS. FASEB Journal, 2015, 29, 1012.9.	0.2	0