

Bradley J Udem

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156
papers

8,814
citations

51
h-index

89
g-index

161
ext. papers

9,742
ext. citations

5.7
avg, IF

6.19
L-index

#	Paper	IF	Citations
156	Identification of a mast-cell-specific receptor crucial for pseudo-allergic drug reactions. <i>Nature</i> , 2015 , 519, 237-41	50.4	651
155	Sensory neuron-specific GPCR Mrgprs are itch receptors mediating chloroquine-induced pruritus. <i>Cell</i> , 2009 , 139, 1353-65	56.2	524
154	Identification of the tracheal and laryngeal afferent neurones mediating cough in anaesthetized guinea-pigs. <i>Journal of Physiology</i> , 2004 , 557, 543-58	3.9	301
153	Vagal Afferent Innervation of the Airways in Health and Disease. <i>Physiological Reviews</i> , 2016 , 96, 975-1024	4.9	235
152	Prostaglandin-induced activation of nociceptive neurons via direct interaction with transient receptor potential A1 (TRPA1). <i>Molecular Pharmacology</i> , 2008 , 73, 274-81	4.3	235
151	Expression and function of the ion channel TRPA1 in vagal afferent nerves innervating mouse lungs. <i>Journal of Physiology</i> , 2008 , 586, 1595-604	3.9	230
150	Subtypes of vagal afferent C-fibres in guinea-pig lungs. <i>Journal of Physiology</i> , 2004 , 556, 905-17	3.9	194
149	Relative contributions of TRPA1 and TRPV1 channels in the activation of vagal bronchopulmonary C-fibres by the endogenous autacoid 4-oxononenal. <i>Journal of Physiology</i> , 2008 , 586, 3447-59	3.9	168
148	Interganglionic segregation of distinct vagal afferent fibre phenotypes in guinea-pig airways. <i>Journal of Physiology</i> , 1996 , 496 (Pt 2), 521-30	3.9	168
147	The role of the nervous system in rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2006 , 118, 999-1016	11.5	167
146	Nitrooleic acid, an endogenous product of nitrative stress, activates nociceptive sensory nerves via the direct activation of TRPA1. <i>Molecular Pharmacology</i> , 2009 , 75, 820-9	4.3	151
145	Mechanisms of acid-induced activation of airway afferent nerve fibres in guinea-pig. <i>Journal of Physiology</i> , 2002 , 543, 591-600	3.9	151
144	Nerve growth factor-induced phenotypic switch in guinea pig airway sensory neurons. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 161, 1985-90	10.2	150
143	Identification and substance P content of vagal afferent neurons innervating the epithelium of the guinea pig trachea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999 , 159, 1943-8	10.2	138
142	Allergic inflammation-induced neuropeptide production in rapidly adapting afferent nerves in guinea pig airways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002 , 282, L775-81	5.8	133
141	Vagal afferent nerves with nociceptive properties in guinea-pig oesophagus. <i>Journal of Physiology</i> , 2005 , 563, 831-42	3.9	119
140	Bronchopulmonary afferent nerves. <i>Respirology</i> , 2003 , 8, 291-301	3.6	118

139	Activation of bronchopulmonary vagal afferent nerves with bradykinin, acid and vanilloid receptor agonists in wild-type and TRPV1 ^{-/-} mice. <i>Journal of Physiology</i> , 2004 , 555, 115-23	3.9	117
138	A role for TRPV1 in bradykinin-induced excitation of vagal airway afferent nerve terminals. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 304, 1275-9	4.7	114
137	P2X2 receptors differentiate placodal vs. neural crest C-fiber phenotypes innervating guinea pig lungs and esophagus. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008 , 295, L858-65	5.8	108
136	Phenotypic distinctions between neural crest and placodal derived vagal C-fibres in mouse lungs. <i>Journal of Physiology</i> , 2010 , 588, 4769-83	3.9	107
135	Expression of tachykinins in nonnociceptive vagal afferent neurons during respiratory viral infection in guinea pigs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 165, 1071-5	10.2	107
134	Immunomodulation of afferent neurons in guinea-pig isolated airway. <i>Journal of Physiology</i> , 1996 , 491 (Pt 2), 499-509	3.9	106
133	Electrophysiological properties and chemosensitivity of guinea pig nodose ganglion neurons in vitro. <i>Journal of the Autonomic Nervous System</i> , 1993 , 44, 17-33		105
132	Ozone activates airway nerves via the selective stimulation of TRPA1 ion channels. <i>Journal of Physiology</i> , 2010 , 588, 423-33	3.9	99
131	Mechanisms underlying the neuronal-based symptoms of allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1521-34	11.5	96
130	Electrophysiological effects of tachykinins and capsaicin on guinea-pig bronchial parasympathetic ganglion neurones. <i>Journal of Physiology</i> , 1993 , 470, 665-79	3.9	95
129	TRPV1 induction in airway vagal low-threshold mechanosensory neurons by allergen challenge and neurotrophic factors. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012 , 302, L941-8	5.8	94
128	Physiology and plasticity of putative cough fibres in the Guinea pig. <i>Pulmonary Pharmacology and Therapeutics</i> , 2002 , 15, 193-8	3.5	91
127	Acid-sensitive vagal sensory pathways and cough. <i>Pulmonary Pharmacology and Therapeutics</i> , 2007 , 20, 402-11	3.5	88
126	Capsaicin-sensitive and -insensitive vagal bronchopulmonary C-fibres in the mouse. <i>Journal of Physiology</i> , 2003 , 551, 869-79	3.9	88
125	Transduction mechanisms in airway sensory nerves. <i>Journal of Applied Physiology</i> , 2006 , 101, 950-9	3.7	83
124	The role of vagal afferent nerves in chronic obstructive pulmonary disease. <i>Proceedings of the American Thoracic Society</i> , 2005 , 2, 355-60; discussion 371-2		77
123	Immunologically induced neuromodulation of guinea pig nodose ganglion neurons. <i>Journal of the Autonomic Nervous System</i> , 1993 , 44, 35-44		77
122	Voltage-gated sodium channels in nociceptive versus non-nociceptive nodose vagal sensory neurons innervating guinea pig lungs. <i>Journal of Physiology</i> , 2008 , 586, 1321-36	3.9	75

121	Neural integration and allergic disease. <i>Journal of Allergy and Clinical Immunology</i> , 2000 , 106, S213-20	11.5	74
120	Characterization of vagal afferent subtypes stimulated by bradykinin in guinea pig trachea. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1999 , 289, 682-7	4.7	71
119	Selective silencing of Na(V)1.7 decreases excitability and conduction in vagal sensory neurons. <i>Journal of Physiology</i> , 2011 , 589, 5663-76	3.9	63
118	The effect of indomethacin on immunologic release of histamine and sulfidopeptide leukotrienes from human bronchus and lung parenchyma. <i>The American Review of Respiratory Disease</i> , 1987 , 136, 1183-7		62
117	Nasal sensory nerve populations responding to histamine and capsaicin. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 116, 1282-8	11.5	61
116	Evidence that distinct neural pathways mediate parasympathetic contractions and relaxations of guinea-pig trachealis. <i>Journal of Physiology</i> , 1993 , 471, 25-40	3.9	60
115	Evidence for both adenosine A1 and A2A receptors activating single vagal sensory C-fibres in guinea pig lungs. <i>Journal of Physiology</i> , 2006 , 575, 481-90	3.9	59
114	The role of nerves in asthma. <i>Current Allergy and Asthma Reports</i> , 2002 , 2, 159-65	5.6	59
113	Endogenous histamine excites neurones in the guinea-pig superior cervical ganglion in vitro. <i>Journal of Physiology</i> , 1989 , 409, 297-312	3.9	59
112	Sensing pulmonary oxidative stress by lung vagal afferents. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 178, 406-13	2.8	58
111	The therapeutic promise of ATP antagonism at P2X3 receptors in respiratory and urological disorders. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 267	6.1	55
110	Allergen-induced substance P synthesis in large-diameter sensory neurons innervating the lungs. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 116, 325-31	11.5	53
109	Role of chloride channels in bradykinin-induced guinea pig airway vagal C-fibre activation. <i>Journal of Physiology</i> , 2005 , 566, 205-12	3.9	53
108	Pharmacology of airway afferent nerve activity. <i>Respiratory Research</i> , 2001 , 2, 234-44	7.3	52
107	Inflammation-induced plasticity of the afferent innervation of the airways. <i>Environmental Health Perspectives</i> , 2001 , 109 Suppl 4, 567-71	8.4	52
106	Distinct and common expression of receptors for inflammatory mediators in vagal nodose versus jugular capsaicin-sensitive/TRPV1-positive neurons detected by low input RNA sequencing. <i>PLoS ONE</i> , 2017 , 12, e0185985	3.7	52
105	Influence of antigen on membrane properties of guinea pig bronchial ganglion neurons. <i>Journal of Applied Physiology</i> , 1991 , 71, 970-6	3.7	51
104	Neuropeptide regulation of proinflammatory cytokine responses. <i>Journal of Leukocyte Biology</i> , 1998 , 63, 602-5	6.5	50

103	Mast cell-cholinergic nerve interaction in mouse airways. <i>Journal of Physiology</i> , 2009 , 587, 3355-62	3.9	48
102	Effect of 5-hydroxytryptamine on vagal C-fiber subtypes in guinea pig lungs. <i>Pulmonary Pharmacology and Therapeutics</i> , 2005 , 18, 269-76	3.5	48
101	Selective stimulation of jugular ganglion afferent neurons in guinea pig airways by hypertonic saline. <i>Journal of Applied Physiology</i> , 1998 , 84, 499-506	3.7	48
100	Adaptation of guinea-pig vagal airway afferent neurones to mechanical stimulation. <i>Journal of Physiology</i> , 1999 , 521 Pt 1, 239-47	3.9	48
99	Inhibition of mechanical activation of guinea-pig airway afferent neurons by amiloride analogues. <i>British Journal of Pharmacology</i> , 2001 , 133, 1255-62	8.6	47
98	Neurotrophin and GDNF family ligand receptor expression in vagal sensory nerve subtypes innervating the adult guinea pig respiratory tract. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 300, L790-8	5.8	45
97	Inhibition of voltage-gated K(+) currents by endothelin-1 in human pulmonary arterial myocytes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 281, L1115-22	5.8	45
96	Pirt, a TRPV1 modulator, is required for histamine-dependent and -independent itch. <i>PLoS ONE</i> , 2011 , 6, e20559	3.7	44
95	Mast cell-mediated long-lasting increases in excitability of vagal C fibers in guinea pig esophagus. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, G850-6	5.1	41
94	Inhibition by capsazepine of resiniferatoxin- and capsaicin-induced contractions of guinea pig trachea. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 268, 85-9	4.7	40
93	Chronic cough and pain: Janus faces in sensory neurobiology?. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013 , 26, 476-85	3.5	39
92	Antigen inhalation unmasks NK-2 tachykinin receptor-mediated responses in vagal afferents. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 161, 232-6	10.2	39
91	A role for ATP in bronchoconstriction-induced activation of guinea pig vagal intrapulmonary C-fibres. <i>Journal of Physiology</i> , 2012 , 590, 4109-20	3.9	38
90	Trypsin-induced, neurokinin-mediated contraction of guinea pig bronchus. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 1662-7	10.2	37
89	Vagotomy reverses established allergen-induced airway hyperreactivity to methacholine in the mouse. <i>Respiratory Physiology and Neurobiology</i> , 2015 , 212-214, 20-4	2.8	36
88	Selective inhibition of vagal afferent nerve pathways regulating cough using Nav 1.7 shRNA silencing in guinea pig nodose ganglia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R1017-23	3.2	36
87	TRPA1: a potential target for anti-tussive therapy. <i>Pulmonary Pharmacology and Therapeutics</i> , 2009 , 22, 71-4	3.5	36
86	Effect of nociceptin in acid-evoked cough and airway sensory nerve activation in guinea pigs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 173, 271-5	10.2	36

85	Pharmacology of non-adrenergic, non-cholinergic nerves in airway smooth muscle. <i>Pulmonary Pharmacology</i> , 1994 , 7, 205-23		36
84	Cough sensors. V. Pharmacological modulation of cough sensors. <i>Handbook of Experimental Pharmacology</i> , 2009 , 99-127	3.2	36
83	Mechanisms of pruritogen-induced activation of itch nerves in isolated mouse skin. <i>Journal of Physiology</i> , 2017 , 595, 3651-3666	3.9	35
82	Activation of mouse bronchopulmonary C-fibres by serotonin and allergen-ovalbumin challenge. <i>Journal of Physiology</i> , 2012 , 590, 5449-59	3.9	35
81	Leukotriene D4 increases the excitability of capsaicin-sensitive nasal sensory nerves to electrical and chemical stimuli. <i>British Journal of Pharmacology</i> , 2008 , 154, 1359-68	8.6	35
80	Characterization of the vanilloid receptor 1 antagonist iodo-resiniferatoxin on the afferent and efferent function of vagal sensory C-fibers. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 303, 716-22	4.7	35
79	Endothelin-induced contraction and mediator release in human bronchus. <i>British Journal of Pharmacology</i> , 1993 , 110, 392-8	8.6	35
78	Prevention of the excitatory actions of bradykinin by inhibition of PGI ₂ formation in nodose neurones of the guinea-pig. <i>Journal of Physiology</i> , 1995 , 483 (Pt 3), 735-46	3.9	35
77	Immunological regulation of synaptic transmission in isolated guinea pig autonomic ganglia. <i>Journal of Clinical Investigation</i> , 1987 , 79, 1529-32	15.9	35
76	Inhibition of 5-lipoxygenase diminishes neurally evoked tachykinergic contraction of guinea pig isolated airway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1998 , 285, 602-7	4.7	35
75	Potassium channel blockade induces action potential generation in guinea-pig airway vagal afferent neurones. <i>Journal of the Autonomic Nervous System</i> , 2000 , 78, 158-64		34
74	Targeting primary afferent nerves for novel antitussive therapy. <i>Chest</i> , 2010 , 137, 177-84	5.3	33
73	Non-adrenergic, non-cholinergic contractions in the electrically field stimulated guinea-pig trachea. <i>British Journal of Pharmacology</i> , 1990 , 101, 875-80	8.6	33
72	Evidence that antidromically stimulated vagal afferents activate inhibitory neurones innervating guinea-pig trachealis. <i>Journal of Physiology</i> , 1994 , 480 (Pt 3), 613-25	3.9	32
71	Effect of removal of epithelium on antigen-induced smooth muscle contraction and mediator release from guinea pig isolated trachea. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1988 , 244, 659-65	4.7	32
70	Agonists of the MAS-related gene (Mrgs) orphan receptors as novel mediators of mast cell-sensory nerve interactions. <i>Journal of Immunology</i> , 2008 , 180, 2251-5	5.3	30
69	Sensory transduction in cough-associated nerves. <i>Respiratory Physiology and Neurobiology</i> , 2006 , 152, 243-54	2.8	29
68	Effect of extracellular calcium on excitability of guinea pig airway vagal afferent nerves. <i>Journal of Neurophysiology</i> , 2003 , 89, 1196-204	3.2	29

67	Mrgprs on vagal sensory neurons contribute to bronchoconstriction and airway hyper-responsiveness. <i>Nature Neuroscience</i> , 2018 , 21, 324-328	25.5	28
66	Inhibition by adenosine 3',5'-cyclic monophosphate of eicosanoid and platelet-activating factor biosynthesis in the mouse PT-18 mast cell. <i>Journal of Biological Chemistry</i> , 1990 , 265, 6750-8	5.4	28
65	Parainfluenza 3-Induced Cough Hypersensitivity in the Guinea Pig Airways. <i>PLoS ONE</i> , 2016 , 11, e0155526	5.7	28
64	Different role of TTX-sensitive voltage-gated sodium channel (Na ⁺) subtypes in action potential initiation and conduction in vagal airway nociceptors. <i>Journal of Physiology</i> , 2018 , 596, 1419-1432	3.9	25
63	Targeting voltage gated sodium channels NaV1.7, Na V1.8, and Na V1.9 for treatment of pathological cough. <i>Lung</i> , 2014 , 192, 15-20	2.9	25
62	Recombinant stem cell factor-induced mast cell activation and smooth muscle contraction in human bronchi. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1994 , 11, 646-50	5.7	25
61	Antigen-induced modulation of autonomic and sensory neurons in vitro. <i>International Archives of Allergy and Immunology</i> , 1991 , 94, 319-24	3.7	25
60	Autonomic neural control of intrathoracic airways. <i>Comprehensive Physiology</i> , 2012 , 2, 1241-67	7.7	24
59	Neural dysfunction following respiratory viral infection as a cause of chronic cough hypersensitivity. <i>Pulmonary Pharmacology and Therapeutics</i> , 2015 , 33, 52-6	3.5	23
58	Transgene expression and effective gene silencing in vagal afferent neurons in vivo using recombinant adeno-associated virus vectors. <i>Journal of Physiology</i> , 2010 , 588, 4303-15	3.9	23
57	Inhibition of neurally mediated nonadrenergic, noncholinergic contractions of guinea pig bronchus by isozyme-selective phosphodiesterase inhibitors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 271, 811-7	4.7	23
56	Bruton's tyrosine kinase inhibition effectively protects against human IgE-mediated anaphylaxis. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4759-4770	15.9	23
55	P2X3 receptors and sensitization of autonomic reflexes. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015 , 191, 16-24	2.4	22
54	Neurotransmitters in airway parasympathetic neurons altered by neurotrophin-3 and repeated allergen challenge. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010 , 43, 452-7	5.7	22
53	Role of cyclooxygenase activation and prostaglandins in antigen-induced excitability changes of bronchial parasympathetic ganglia neurons. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003 , 284, L581-7	5.8	22
52	Airway Vagal Neuroplasticity Associated with Respiratory Viral Infections. <i>Lung</i> , 2016 , 194, 25-9	2.9	21
51	Pharmacology of vagal afferent nerve activity in guinea pig airways. <i>Pulmonary Pharmacology and Therapeutics</i> , 2003 , 16, 45-52	3.5	21
50	Ionotropic and metabotropic receptor mediated airway sensory nerve activation. <i>Pulmonary Pharmacology and Therapeutics</i> , 2004 , 17, 355-60	3.5	21

49	Ion channels in airway afferent neurons. <i>Respiration Physiology</i> , 2001 , 125, 83-97		21
48	TRPM8 function and expression in vagal sensory neurons and afferent nerves innervating guinea pig esophagus. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, G489-96	5.1	19
47	Thrombin and trypsin directly activate vagal C-fibres in mouse lung via protease-activated receptor-1. <i>Journal of Physiology</i> , 2010 , 588, 1171-7	3.9	19
46	Blocking voltage-gated sodium channels as a strategy to suppress pathological cough. <i>Pulmonary Pharmacology and Therapeutics</i> , 2017 , 47, 38-41	3.5	18
45	Increased acid responsiveness in vagal sensory neurons in a guinea pig model of eosinophilic esophagitis. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, G149-57	5.1	18
44	Neuroplasticity in vagal afferent neurons involved in cough. <i>Pulmonary Pharmacology and Therapeutics</i> , 2011 , 24, 276-9	3.5	18
43	Mast cells in the guinea pig superior cervical ganglion: a functional and histological assessment. <i>Journal of the Autonomic Nervous System</i> , 1990 , 30, 75-87		18
42	Control of Neurotransmission by NaV1.7 in Human, Guinea Pig, and Mouse Airway Parasympathetic Nerves. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 361, 172-180	4.7	17
41	Targeting peripheral afferent nerve terminals for cough and dyspnea. <i>Current Opinion in Pharmacology</i> , 2011 , 11, 254-64	5.1	17
40	Relative contributions of direct and indirect mechanisms mediating endothelin-induced contraction of guinea-pig trachea. <i>British Journal of Pharmacology</i> , 1993 , 110, 955-62	8.6	17
39	DT-0111: a novel drug-candidate for the treatment of COPD and chronic cough. <i>Therapeutic Advances in Respiratory Disease</i> , 2019 , 13, 1753466619877960	4.9	14
38	KCNQ/M-channels regulate mouse vagal bronchopulmonary C-fiber excitability and cough sensitivity. <i>JCI Insight</i> , 2019 , 4,	9.9	13
37	Functional effects of mast cell activation in sympathetic ganglia. <i>Annals of the New York Academy of Sciences</i> , 1992 , 664, 293-308	6.5	12
36	Acute activation of bronchopulmonary vagal nociceptors by type I interferons. <i>Journal of Physiology</i> , 2020 , 598, 5541-5554	3.9	12
35	Phenotypic distinctions between the nodose and jugular TRPV1-positive vagal sensory neurons in the cynomolgus monkey. <i>NeuroReport</i> , 2019 , 30, 533-537	1.7	12
34	Sphingosine-1-phosphate activates mouse vagal airway afferent C-fibres via S1PR3 receptors. <i>Journal of Physiology</i> , 2019 , 597, 2007-2019	3.9	11
33	Vagal control of mucociliary clearance in murine lungs: a study in a chronic preparation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 154, 74-8	2.4	11
32	Voltage-Gated Sodium Channels Regulating Action Potential Generation in Itch-, Nociceptive-, and Low-Threshold Mechanosensitive Cutaneous C-Fibers. <i>Molecular Pharmacology</i> , 2018 , 94, 1047-1056	4.3	11

31	Inhibition by zinc protoporphyrin-IX of vasoactive intestinal peptide-induced relaxations of guinea pig isolated trachea. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1996 , 278, 964-70	4.7	11
30	Histamine acting on a histamine type 1 (H1) receptor increases beta-glucuronidase release from human lung macrophages. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1990 , 3, 603-9	5.7	10
29	The voltage-gated sodium channel Na1.8 blocker A-803467 inhibits cough in the guinea pig. <i>Respiratory Physiology and Neurobiology</i> , 2019 , 270, 103267	2.8	9
28	Basic mechanisms of cough: current understanding and remaining questions. <i>Lung</i> , 2008 , 186 Suppl 1, S10-6	2.9	9
27	Effect of olvanil and anandamide on vagal C-fiber subtypes in guinea pig lung. <i>British Journal of Pharmacology</i> , 2005 , 146, 596-603	8.6	8
26	Inflammation-Induced Plasticity of the Afferent Innervation of the Airways. <i>Environmental Health Perspectives</i> , 2001 , 109, 567	8.4	7
25	Targeting C-fibers for peripheral acting anti-tussive drugs. <i>Pulmonary Pharmacology and Therapeutics</i> , 2019 , 56, 15-19	3.5	6
24	Allergen-induced neuromodulation in the respiratory tract. <i>Chemical Immunology and Allergy</i> , 2012 , 98, 142-62		6
23	Influence of electrical field stimulation on antigen-induced contraction and mediator release in the guinea pig isolated superfused trachea and bronchus. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1989 , 249, 23-30	4.7	6
22	Molecular/Ionic Basis of Vagal Bronchopulmonary C-Fiber Activation by Inflammatory Mediators. <i>Physiology</i> , 2020 , 35, 57-68	9.8	6
21	Effects of ginger constituent 6-shogaol on gastroesophageal vagal afferent C-fibers. <i>Neurogastroenterology and Motility</i> , 2019 , 31, e13585	4	3
20	Sphingosine-1-phosphate selectively activates vagal afferent C-fiber subtype in guinea pig esophagus. <i>Neurogastroenterology and Motility</i> , 2018 , 30, e13359	4	2
19	Direct activation of guinea pig vagal afferent neurons by FMRFamide. <i>NeuroReport</i> , 2011 , 22, 609-12	1.7	2
18	An analysis of the functional interactions of selected contractile agonists in the guinea pig isolated trachea. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1988 , 246, 47-53	4.7	2
17	Bronchopulmonary Vagal Afferent Nerves. <i>Frontiers in Neuroscience</i> , 2005 , 279-313		2
16	A role for ATP in the mechanical activation of nodose C-fibers in guinea pig lungs. <i>FASEB Journal</i> , 2011 , 25,	0.9	2
15	Stimulus intensity-dependent recruitment of Na1 subunits in action potential initiation in nerve terminals of vagal C-fibers innervating the esophagus. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, G443-G453	5.1	2
14	Antitussive effects of Na 1.7 blockade in Guinea pigs. <i>European Journal of Pharmacology</i> , 2021 , 907, 174192	5.2	2

13	Allergen-induced histaminergic and non-histaminergic activation of itch C-fiber nerve terminals in mouse skin. <i>Neuroscience</i> , 2019 , 410, 55-58	3.9	1
12	Role of Na 1.7 in action potential conduction along human bronchial vagal afferent C-fibres. <i>British Journal of Pharmacology</i> , 2021 ,	8.6	1
11	Role of TRP channels in G-coupled protease-activated receptor 1-mediated activation of mouse nodose pulmonary C-fibers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L192-L199	5.8	1
10	Capsaicin-Sensitive Vagal Afferent Nerve-Mediated Interoceptive Signals in the Esophagus. <i>Molecules</i> , 2021 , 26,	4.8	1
9	Deoxycholic acid activates and sensitizes vagal nociceptive afferent C-fibers in guinea pig esophagus. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, G149-G156	5.1	1
8	The Physiology of Cough90-101		
7	Design, Synthesis, and Evaluation of Isoquinoline Ureas as TRPV1 Antagonists. <i>Medicinal Chemistry</i> , 2020 , 16, 202-211	1.8	
6	Differential Phenotype of Placodal vs Neural Crest Derived Afferent C-fibers in Airways and Esophagus.. <i>FASEB Journal</i> , 2008 , 22, 945.2	0.9	
5	Inducing an Anergic State in Human Mast Cells (MC) and Basophils (HB) without Secretion. <i>FASEB Journal</i> , 2008 , 22, 1075.5	0.9	
4	Mast cell-cholinergic nerve interaction in mouse airway. <i>FASEB Journal</i> , 2009 , 23, 622.10	0.9	
3	Apyrase (APY) inhibits mechanical activation of nodose C-fibers in guinea pig lung. <i>FASEB Journal</i> , 2012 , 26, 702.13	0.9	
2	Neuronal Control of Airway Function in Allergy 2014 , 378-388		
1	Sensory and Autonomic Nervous System in Asthma and Rhinitis823-839		