Maria G Belvisi

List of Publications by Citations

125 papers	6,036 citations	50 h-index	73 g-index
128 ext. papers	6,845 ext. citations	8.2 avg, IF	5.65 L-index

#	Paper	IF	Citations
125	Induction of cyclo-oxygenase-2 by cytokines in human pulmonary epithelial cells: regulation by dexamethasone. *British Journal of Pharmacology*, **1994**, 113, 1008-14	8.6	240
124	Bradykinin-evoked sensitization of airway sensory nerves: a mechanism for ACE-inhibitor cough. *Nature Medicine*, **1996**, 2, 814-7	50.5	234
123	TRPA1 agonists evoke coughing in guinea pig and human volunteers. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 180, 1042-7	10.2	218
122	Expert opinion on the cough hypersensitivity syndrome in respiratory medicine. *European Respiratory Journal*, **2014**, 44, 1132-48	13.6	189
121	Modulation of neurogenic inflammation: novel approaches to inflammatory disease. *Trends in Pharmacological Sciences*, **1990**, 11, 185-9	13.2	164
120	Therapeutic benefit of a dissociated glucocorticoid and the relevance of in vitro separation of transrepression from transactivation activity. *Journal of Immunology*, **2001**, 166, 1975-82	5.3	162
119	Resveratrol, an extract of red wine, inhibits lipopolysaccharide induced airway neutrophilia and inflammatory mediators through an NF-kappaB-independent mechanism. *FASEB Journal*, **2005**, 19, 840-1	10.9	136
118	Activation of peroxisome proliferator-activated receptors in human airway smooth muscle cells has a superior anti-inflammatory profile to corticosteroids: relevance for chronic obstructive pulmonary disease therapy. *Journal of Immunology*, **2003**, 170, 2663-9	5.3	116
117	Ikappa-B kinase-2 inhibitor blocks inflammation in human airway smooth muscle and a rat model of asthma. *American Journal of Respiratory and Critical Care Medicine*, **2005**, 172, 962-71	10.2	113
116	Transient receptor potential channels mediate the tussive response to prostaglandin E2 and bradykinin. *Thorax*, **2012**, 67, 891-900	7.3	109
115	Effects and interactions of sensory neuropeptides on airway microvascular leakage in guinea-pigs. *British Journal of Pharmacology*, **1988**, 95, 1109-16	8.6	105
114	P2X7 receptor and caspase 1 activation are central to airway inflammation observed after exposure to tobacco smoke. *PLoS ONE*, **2011**, 6, e24097	3.7	99
113	Peroxisome proliferator-activated receptor gamma agonists as therapy for chronic airway inflammation. *European Journal of Pharmacology*, **2006**, 533, 101-9	5.3	98
112	Prostaglandin E2 mediates cough via the EP3 receptor: implications for future disease therapy. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 180, 923-8	10.2	96
111	Impact of tobacco-smoke on key signaling pathways in the innate immune response in lung macrophages. *Journal of Cellular Physiology*, **2008**, 214, 27-37	7	95
110	DNA damage response at telomeres contributes to lung aging and chronic obstructive pulmonary disease. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L1124-37	5.8	93
109	Tiotropium bromide (Ba 679 BR), a novel long-acting muscarinic antagonist for the treatment of obstructive airways disease. *Life Sciences*, **1995**, 56, 853-9	6.8	93

108	A role for sensory nerves in the late asthmatic response. *Thorax*, **2012**, 67, 19-25	7.3	92
107	XEN-D0501, a Novel Transient Receptor Potential Vanilloid 1 Antagonist, Does Not Reduce Cough in Patients with Refractory Cough. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 196, 1255-1263	10.2	82
106	Targeting PPAR receptors in the airway for the treatment of inflammatory lung disease. *British Journal of Pharmacology*, **2009**, 158, 994-1003	8.6	82
105	EP4 receptor as a new target for bronchodilator therapy. *Thorax*, **2011**, 66, 1029-35	7.3	79
104	Theobromine inhibits sensory nerve activation and cough. *FASEB Journal*, **2005**, 19, 231-3	0.9	76
103	Transient receptor potential cation channel, subfamily V, member 4 and airway sensory afferent activation: Role of adenosine triphosphate. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 249-261.e12	11.5	75
102	Role of p38 MAP kinase in LPS-induced airway inflammation in the rat. *British Journal of Pharmacology*, **2001**, 132, 1715-24	8.6	75
101	Overview of the innervation of the lung. *Current Opinion in Pharmacology*, **2002**, 2, 211-5	5.1	75
100	Inhibition of guinea-pig and human sensory nerve activity and the cough reflex in guinea-pigs by cannabinoid (CB2) receptor activation. *British Journal of Pharmacology*, **2003**, 140, 261-8	8.6	74
99	Induction of eotaxin expression and release from human airway smooth muscle cells by IL-1beta and TNFalpha: effects of IL-10 and corticosteroids. *British Journal of Pharmacology*, **1999**, 127, 1145-50	8.6	74
98	Neurophenotypes in Airway Diseases. Insights from Translational Cough Studies. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, 1364-72	10.2	73
97	Expression of cyclo-oxygenase-2 in human airway smooth muscle is associated with profound reductions in cell growth. *British Journal of Pharmacology*, **1998**, 125, 1102-8	8.6	71
96	Anti-inflammatory effects of PGE2 in the lung: role of the EP4 receptor subtype. *Thorax*, **2015**, 70, 740-7	7.3	70
95	Release of nerve growth factor by human pulmonary epithelial cells: role in airway inflammatory diseases. *European Journal of Pharmacology*, **2001**, 424, 159-62	5.3	70
94	Sensory nerves and airway inflammation: role of A delta and C-fibres. *Pulmonary Pharmacology and Therapeutics*, **2003**, 16, 1-7	3.5	66
93	Pharmacological characterization of the muscarinic receptor antagonist, glycopyrrolate, in human and guinea-pig airways. *British Journal of Pharmacology*, **1999**, 127, 413-20	8.6	65
92	Soft steroids: a new approach to the treatment of inflammatory airways diseases. *Pulmonary Pharmacology and Therapeutics*, **2003**, 16, 321-5	3.5	64
91	Differential effects of ebselen on neutrophil recruitment, chemokine, and inflammatory mediator expression in a rat model of lipopolysaccharide-induced pulmonary inflammation. *Journal of Immunology*, **2002**, 169, 974-82	5.3	64

90	Regulation of inflammatory cell function by corticosteroids. *Proceedings of the American Thoracic Society*, **2004**, 1, 207-14		62
89	New Glucocorticosteroids with an improved therapeutic ratio?. *Pulmonary Pharmacology and Therapeutics*, **2001**, 14, 221-7	3.5	62
88	Constitutive expressions of type I NOS in human airway smooth muscle cells: evidence for an antiproliferative role. *FASEB Journal*, **1999**, 13, 1810-6	0.9	61
87	Tiotropium modulates transient receptor potential V1 (TRPV1) in airway sensory nerves: A beneficial off-target effect?. *Journal of Allergy and Clinical Immunology*, **2014**, 133, 679-87.e9	11.5	60
86	Role of transient receptor potential and pannexin channels in cigarette smoke-triggered ATP release in the lung. *Thorax*, **2014**, 69, 1080-9	7.3	59
85	Cough and airway disease: The role of ion channels. *Pulmonary Pharmacology and Therapeutics*, **2017**, 47, 21-28	3.5	58
84	Peroxisome proliferator-activated receptors as novel targets in lung disease. *Chest*, **2008**, 134, 152-7	5.3	58
83	Mechanistic link between diesel exhaust particles and respiratory reflexes. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 1074-1084.e9	11.5	55
82	Role of the inflammasome-caspase1/11-IL-1/18 axis in cigarette smoke driven airway inflammation: an insight into the pathogenesis of COPD. *PLoS ONE*, **2014**, 9, e112829	3.7	54
81	Transient receptor potential A1 channels: insights into cough and airway inflammatory disease. *Chest*, **2011**, 140, 1040-1047	5.3	54
80	TRPA1 receptors in cough. *Pulmonary Pharmacology and Therapeutics*, **2011**, 24, 286-8	3.5	53
79	Modulation of sensory nerve function and the cough reflex: understanding disease pathogenesis. *Pharmacology & Therapeutics*, **2009**, 124, 354-75	13.9	52
78	IkappaB kinase-2-independent and -dependent inflammation in airway disease models: relevance of IKK-2 inhibition to the clinic. *Molecular Pharmacology*, **2006**, 69, 1791-800	4.3	52
77	Modulation of the TRPV4 ion channel as a therapeutic target for disease. *Pharmacology & Therapeutics*, **2017**, 177, 9-22	13.9	50
76	Novel role for the liver X nuclear receptor in the suppression of lung inflammatory responses. *Journal of Biological Chemistry*, **2007**, 282, 31882-90	5.4	49
75	Pre-clinical studies in cough research: role of Transient Receptor Potential (TRP) channels. *Pulmonary Pharmacology and Therapeutics*, **2013**, 26, 498-507	3.5	44
74	Targeting TRP channels for chronic cough: from bench to bedside. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2015**, 388, 401-20	3.4	44
73	Preclinical profile of ciclesonide, a novel corticosteroid for the treatment of asthma. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 314, 568-74	4.7	42

72	Summary: animal models for cough. *Pulmonary Pharmacology and Therapeutics*, **2002**, 15, 249-50	3.5	42
71	Prostaglandin D2 and the role of the DP1, DP2 and TP receptors in the control of airway reflex events. *European Respiratory Journal*, **2015**, 45, 1108-18	13.6	41
70	Capsazepine as a selective antagonist of capsaicin-induced activation of C-fibres in guinea-pig bronchi. *European Journal of Pharmacology*, **1992**, 215, 341-4	5.3	41
69	Identification in human airways smooth muscle cells of the prostanoid receptor and signalling pathway through which PGE2 inhibits the release of GM-CSF. *British Journal of Pharmacology*, **2004**, 141, 1141-50	8.6	40
68	G-protein coupled receptors regulating cough. *Current Opinion in Pharmacology*, **2011**, 11, 248-53	5.1	39
67	JAK-STAT pathway activation in COPD. *European Respiratory Journal*, **2015**, 46, 843-5	13.6	37
66	Paradoxical facilitation of acetylcholine release from parasympathetic nerves innervating guinea-pig trachea by isoprenaline. *British Journal of Pharmacology*, **1996**, 117, 1413-20	8.6	37
65	In vivo bioimaging with tissue-specific transcription factor activated luciferase reporters. *Scientific Reports*, **2015**, 5, 11842	4.9	36
64	Evidence that the anti-spasmogenic effect of the beta-adrenoceptor agonist, isoprenaline, on guinea-pig trachealis is not mediated by cyclic AMP-dependent protein kinase. *British Journal of Pharmacology*, **2001**, 133, 1201-12	8.6	36
63	The emerging role of transient receptor potential channels in chronic lung disease. *European Respiratory Journal*, **2017**, 50,	13.6	34
62	Prostaglandin E2 suppression of acetylcholine release from parasympathetic nerves innervating guinea-pig trachea by interacting with prostanoid receptors of the EP3-subtype. *British Journal of Pharmacology*, **1998**, 123, 1246-52	8.6	32
61	Addressing unmet needs in understanding asthma mechanisms: From the European Asthma Research and Innovation Partnership (EARIP) Work Package (WP)2 collaborators. *European Respiratory Journal*, **2017**, 49,	13.6	31
60	Nitric oxide as a noninvasive biomarker of lipopolysaccharide-induced airway inflammation: possible role in lung neutrophilia. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 311, 625-33	4.7	31
59	E-ring 8-isoprostanes inhibit ACh release from parasympathetic nerves innervating guinea-pig trachea through agonism of prostanoid receptors of the EP3-subtype. *British Journal of Pharmacology*, **2004**, 141, 600-9	8.6	31
58	Mediator involvement in antigen-induced bronchospasm and microvascular leakage in the airways of ovalbumin sensitized Brown Norway rats. *British Journal of Pharmacology*, **2001**, 132, 481-8	8.6	31
57	Cigarette smoke induced airway inflammation is independent of NF-Β signalling. *PLoS ONE*, **2013**, 8, e54128	3.7	29
56	Effect of dopamine receptor agonists on sensory nerve activity: possible therapeutic targets for the treatment of asthma and COPD. *British Journal of Pharmacology*, **2002**, 136, 620-8	8.6	28
55	Chronic systemic administration of salmeterol to rats promotes pulmonary beta(2)-adrenoceptor desensitization and down-regulation of G(s alpha). *British Journal of Pharmacology*, **2001**, 132, 1261-70	8.6	28

54	Critical role for T cells in Sephadex-induced airway inflammation: pharmacological and immunological characterization and molecular biomarker identification. *Journal of Immunology*, **2002**, 168, 3004-16	5.3	28
53	Functional characterization and biomarker identification in the Brown Norway model of allergic airway inflammation. *British Journal of Pharmacology*, **2002**, 137, 263-75	8.6	27
52	CD4+ and CD8+ T cells play a central role in a HDM driven model of allergic asthma. *Respiratory Research*, **2016**, 17, 45	7.3	26
51	Respiratory infections cause the release of extracellular vesicles: implications in exacerbation of asthma/COPD. *PLoS ONE*, **2014**, 9, e101087	3.7	25
50	New anti-inflammatory therapies and targets for asthma and chronic obstructive pulmonary disease. *Expert Opinion on Therapeutic Targets*, **2004**, 8, 265-85	6.4	25
49	Theophylline inhibits the cough reflex through a novel mechanism of action. *Journal of Allergy and Clinical Immunology*, **2014**, 133, 1588-98	11.5	24
48	Protein Phosphatase 2A Reduces Cigarette Smoke-induced Cathepsin S and Loss of Lung Function. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 200, 51-62	10.2	24
47	E-ring 8-isoprostanes are agonists at EP2- and EP4-prostanoid receptors on human airway smooth muscle cells and regulate the release of colony-stimulating factors by activating cAMP-dependent protein kinase. *Molecular Pharmacology*, **2005**, 67, 383-93	4.3	23
46	Role of the ion channel, transient receptor potential cation channel subfamily V member 1 (TRPV1), in allergic asthma. *Respiratory Research*, **2016**, 17, 67	7.3	23
45	Advances in TRP channel drug discovery: from target validation to clinical studies. *Nature Reviews Drug Discovery*, **2021**,	64.1	23
44	Cough hypersensitivity syndrome: clinical measurement is the key to progress. *European Respiratory Journal*, **2015**, 45, 1509-10	13.6	22
43	Liver X receptor agonists increase airway reactivity in a model of asthma via increasing airway smooth muscle growth. *Journal of Immunology*, **2008**, 181, 4265-71	5.3	22
42	Selectivity profiling of the novel EP2 receptor antagonist, PF-04418948, in functional bioassay systems: atypical affinity at the guinea pig EP2 receptor. *British Journal of Pharmacology*, **2013**, 168, 129-38	8.6	21
41	Prostanoids and the cough reflex. *Lung*, **2010**, 188 Suppl 1, S9-12	2.9	19
40	Preclinical animal models of asthma and chronic obstructive pulmonary disease. *Expert Review of Respiratory Medicine*, **2008**, 2, 631-43	3.8	19
39	Airway sensory innervation as a target for novel therapies: an outdated concept?. *Current Opinion in Pharmacology*, **2003**, 3, 239-43	5.1	19
38	Effect of 8-iso-prostaglandin F(2 alpha) on acetylcholine release from parasympathetic nerves in guinea pig airways. *European Journal of Pharmacology*, **2001**, 416, 231-4	5.3	19
37	Second-generation inhibitors demonstrate the involvement of p38 mitogen-activated protein kinase in post-transcriptional modulation of inflammatory mediator production in human and rodent airways. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 316, 1318-27	4.7	18

36	New advances and potential therapies for the treatment of asthma. *BioDrugs*, **2004**, 18, 211-23	7.9	18
35	TRP channel antagonists as potential antitussives. *Lung*, **2012**, 190, 11-5	2.9	17
34	Novel airway smooth muscle-mast cell interactions and a role for the TRPV4-ATP axis in non-atopic asthma. *European Respiratory Journal*, **2020**, 56,	13.6	17
33	Rare variant contribution to human disease in 281,104 UK Biobank exomes. *Nature*, **2021**, 597, 527-532	50.4	17
32	Anti-spasmogenic activity of isoenzyme-selective phosphodiesterase inhibitors in guinea-pig trachealis. *British Journal of Pharmacology*, **1999**, 128, 327-36	8.6	16
31	Neuroregulation by vasoactive intestinal peptide (VIP) of mucus secretion in ferret trachea: activation of BK(Ca) channels and inhibition of neurotransmitter release. *British Journal of Pharmacology*, **1999**, 126, 147-58	8.6	15
30	Inhibition of excitatory non-adrenergic non-cholinergic bronchoconstriction in guinea-pig airways in vitro by activation of an atypical 5-HT receptor. *British Journal of Pharmacology*, **1994**, 111, 1095-102	8.6	15
29	Role of EP2 and EP4 receptors in airway microvascular leak induced by prostaglandin E2. *British Journal of Pharmacology*, **2016**, 173, 992-1004	8.6	15
28	TLR4 activation induces IL-1 release via an IPAF dependent but caspase 1/11/8 independent pathway in the lung. *Respiratory Research*, **2014**, 15, 87	7.3	14
27	Novel therapies for the treatment of inflammatory airway disease. *Expert Opinion on Investigational Drugs*, **2003**, 12, 5-18	5.9	13
26	Targeting fatty acid amide hydrolase as a therapeutic strategy for antitussive therapy. *European Respiratory Journal*, **2017**, 50,	13.6	12
25	Back to the future: re-establishing guinea pig in vivo asthma models. *Clinical Science*, **2020**, 134, 1219-1242	6.5	12
24	Human tissue models for a human disease: what are the barriers?. *Thorax*, **2015**, 70, 695-7	7.3	11
23	MMP/TIMP expression profiles in distinct lung disease models: implications for possible future therapies. *Respiratory Research*, **2009**, 10, 72	7.3	11
22	Effect of endothelin antagonists, including the novel ET(A) receptor antagonist LBL 031, on endothelin-1 and lipopolysaccharide-induced microvascular leakage in rat airways. *British Journal of Pharmacology*, **2000**, 131, 1129-34	8.6	10
21	Modelling the asthma phenotype: impact of cigarette smoke exposure. *Respiratory Research*, **2018**, 19, 89	7.3	9
20	Harvesting, isolation, and functional assessment of primary vagal ganglia cells. *Current Protocols in Pharmacology*, **2013**, 62, 12.15.1-12.15.27	4.1	6
19	The role of CRAC channel in asthma. *Pulmonary Pharmacology and Therapeutics*, **2015**, 35, 67-74	3.5	5

18	Hyperpolarized 83Kr magnetic resonance imaging of alveolar degradation in a rat model of emphysema. *Journal of the Royal Society Interface*, **2015**, 12,	4.1	5
17	Preclinical assessment of novel therapeutics on the cough reflex: cannabinoid agonists as potential antitussives. *Lung*, **2008**, 186 Suppl 1, S66-9	2.9	5
16	Aprepitant for Cough in Lung Cancer. A Randomized Placebo-controlled Trial and Mechanistic Insights. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 203, 737-745	10.2	5
15	Characterisation of a murine model of the late asthmatic response. *Respiratory Research*, **2017**, 18, 55	7.3	4
14	The role of adenylyl cyclase isoform 6 in □adrenoceptor signalling in murine airways. *British Journal of Pharmacology*, **2015**, 172, 131-41	8.6	4
13	Identification of a missense variant in SPDL1 associated with idiopathic pulmonary fibrosis. *Communications Biology*, **2021**, 4, 392	6.7	4
12	The novel bronchodilator navafenterol: a phase 2a, multi-centre, randomised, double-blind, placebo-controlled crossover trial in COPD. *European Respiratory Journal*, **2021**,	13.6	4
11	ATP and cough reflex hypersensitivity: a confusion of goals?. *European Respiratory Journal*, **2017**, 50,	13.6	3
10	Characterisation of pharmacokinetics, safety and tolerability in a first-in-human study for AZD8154, a novel inhaled selective PI3K□dual inhibitor targeting airway inflammatory disease. *British Journal of Clinical Pharmacology*, **2021**,	3.8	3
9	Therapeutic advances for treatment-resistant cough. *Lancet, The*, **2015**, 385, 1160-2	40	2
8	Peroxisome Proliferator-Activated Receptors as Novel Targets in Lung Disease*. *Chest*, **2008**, 134, 152-157	5.3	2
7	Targeting Alveolar Repair in Idiopathic Pulmonary Fibrosis. *American Journal of Respiratory Cell and Molecular Biology*, **2021**, 65, 347-365	5.7	2
6	Ciclesonide. *Drugs*, **2004**, 64, 520-521	12.1	1
5	TRPV1 in the airways **2005**, 167-187		1
4	Effect of traffic-related air pollution on cough in adults with polymorphisms in several cough-related genes.. *Respiratory Research*, **2022**, 23, 113	7.3	1
3	Cough: Citric acid and nerves. *Drug Discovery Today: Disease Models*, **2006**, 3, 237-241	1.3	0
2	"Truth is ever to be found in simplicity, and not in the multiplicity and confusion of things" - Sir Isaac Newton. *European Respiratory Journal*, **2020**, 55,	13.6	
1	Prostanoids271-283		