Mary A Cotter

List of Publications by Citations

60 papers	2,408 citations	27 h-index	48 g-index
64 ext. papers	2,543 ext. citations	4.6 avg, IF	4.73 L-index

#	Paper	IF	Citations
60	The effects of different patterns of muscle activity on capillary density, mechanical properties and structure of slow and fast rabbit muscles. *Pflugers Archiv European Journal of Physiology*, **1976**, 361, 241-50	4.6	212
59	The relationship of vascular changes to metabolic factors in diabetes mellitus and their role in the development of peripheral nerve complications. *Diabetes/metabolism Reviews*, **1994**, 10, 189-224		165
58	Pro-inflammatory mechanisms in diabetic neuropathy: focus on the nuclear factor kappa B pathway. *Current Drug Targets*, **2008**, 9, 60-7	3	128
57	Effects of antioxidants on nerve and vascular dysfunction in experimental diabetes. *Diabetes Research and Clinical Practice*, **1999**, 45, 137-46	7.4	128
56	Pathogenesis of diabetic neuropathy: focus on neurovascular mechanisms. *European Journal of Pharmacology*, **2013**, 719, 180-186	5.3	106
55	Effects of the protein kinase C beta inhibitor LY333531 on neural and vascular function in rats with streptozotocin-induced diabetes. *Clinical Science*, **2002**, 103, 311-21	6.5	92
54	Effects of proinsulin C-peptide in experimental diabetic neuropathy: vascular actions and modulation by nitric oxide synthase inhibition. *Diabetes*, **2003**, 52, 1812-7	0.9	84
53	Inhibitors of advanced glycation end product formation and neurovascular dysfunction in experimental diabetes. *Annals of the New York Academy of Sciences*, **2005**, 1043, 784-92	6.5	80
52	Effect of alpha-lipoic acid on vascular responses and nociception in diabetic rats. *Free Radical Biology and Medicine*, **2001**, 31, 125-35	7.8	78
51	The effects of treatment with alpha-lipoic acid or evening primrose oil on vascular hemostatic and lipid risk factors, blood flow, and peripheral nerve conduction in the streptozotocin-diabetic rat. *Metabolism: Clinical and Experimental*, **2001**, 50, 868-75	12.7	75
50	The effect of cannabinoids on capsaicin-evoked calcitonin gene-related peptide (CGRP) release from the isolated paw skin of diabetic and non-diabetic rats. *Neuropharmacology*, **2002**, 42, 966-75	5.5	72
49	Effects of protein kinase Cbeta inhibition on neurovascular dysfunction in diabetic rats: interaction with oxidative stress and essential fatty acid dysmetabolism. *Diabetes/Metabolism Research and Reviews*, **2002**, 18, 315-23	7.5	68
48	Angiotensin converting enzyme inhibition partially prevents deficits in water maze performance, hippocampal synaptic plasticity and cerebral blood flow in streptozotocin-diabetic rats. *Brain Research*, **2003**, 966, 274-82	3.7	68
47	Effects of rosuvastatin on nitric oxide-dependent function in aorta and corpus cavernosum of diabetic mice: relationship to cholesterol biosynthesis pathway inhibition and lipid lowering. *Diabetes*, **2003**, 52, 2396-402	0.9	65
46	Treatment with the xanthine oxidase inhibitor, allopurinol, improves nerve and vascular function in diabetic rats. *European Journal of Pharmacology*, **2007**, 561, 63-71	5.3	64
45	Effects of eugenol on nerve and vascular dysfunction in streptozotocin-diabetic rats. *Planta Medica*, **2006**, 72, 494-500	3.1	54
44	CD11b+ bone marrow-derived monocytes are the major leukocyte subset responsible for retinal capillary leukostasis in experimental diabetes in mouse and express high levels of CCR5 in the circulation. *American Journal of Pathology*, **2012**, 181, 719-27	5.8	50

43	Effects of the peroxynitrite decomposition catalyst, FeTMPyP, on function of corpus cavernosum from diabetic mice. *European Journal of Pharmacology*, **2004**, 502, 143-8	5.3	46
42	Looking to the future: diabetic neuropathy and effects of rosuvastatin on neurovascular function in diabetes models. *Diabetes Research and Clinical Practice*, **2003**, 61 Suppl 1, S35-9	7.4	44
41	The effects of evening primrose oil on nerve function and capillarization in streptozotocin-diabetic rats: modulation by the cyclo-oxygenase inhibitor flurbiprofen. *British Journal of Pharmacology*, **1993**, 109, 972-9	8.6	36
40	Effects of diabetes on reactivity of sciatic vasa nervorum in rats. *Journal of Diabetes and Its Complications*, **1997**, 11, 47-55	3.2	33
39	Diabetes causes an early reduction in autonomic ganglion blood flow in rats. *Journal of Diabetes and Its Complications*, **2001**, 15, 198-202	3.2	33
38	Effects of chelator treatment on aorta and corpus cavernosum from diabetic rats. *Free Radical Biology and Medicine*, **1999**, 27, 536-43	7.8	33
37	Effects of aldose reductase inhibition on responses of the corpus cavernosum and mesenteric vascular bed of diabetic rats. *Journal of Cardiovascular Pharmacology*, **2000**, 35, 606-13	3.1	33
36	Protein kinase C beta inhibition and aorta and corpus cavernosum function in streptozotocin-diabetic mice. *European Journal of Pharmacology*, **2003**, 475, 99-106	5.3	31
35	Dissociation between biochemical and functional effects of the aldose reductase inhibitor, ponalrestat, on peripheral nerve in diabetic rats. *British Journal of Pharmacology*, **1992**, 107, 939-44	8.6	29
34	Erectile dysfunction and diabetes mellitus: mechanistic considerations from studies in experimental models. *Current Diabetes Reviews*, **2007**, 3, 149-58	2.7	27
33	Corpus cavernosum dysfunction in diabetic rats: effects of combined alpha-lipoic acid and gamma-linolenic acid treatment. *Diabetes/Metabolism Research and Reviews*, **2001**, 17, 380-6	7.5	27
32	Microvascular dysfunction and efficacy of PDE5 inhibitors in BPH-LUTS. *Nature Reviews Urology*, **2014**, 11, 231-41	5.5	26
31	Effects of diabetes and evening primrose oil treatment on responses of aorta, corpus cavernosum and mesenteric vasculature in rats. *Life Sciences*, **2002**, 71, 1863-77	6.8	26
30	The calpain inhibitor, A-705253, corrects penile nitrergic nerve dysfunction in diabetic mice. *European Journal of Pharmacology*, **2006**, 538, 148-53	5.3	24
29	Correction of neurovascular deficits in diabetic rats by beta2-adrenoceptor agonist and alpha1-adrenoceptor antagonist treatment: interactions with the nitric oxide system. *European Journal of Pharmacology*, **1998**, 343, 217-23	5.3	24
28	ATP-sensitive K(+) channel effects on nerve function, Na(+), K(+) ATPase, and glutathione in diabetic rats. *European Journal of Pharmacology*, **2000**, 397, 335-41	5.3	23
27	Effects of poly(ADP-ribose) polymerase inhibition on dysfunction of non-adrenergic non-cholinergic neurotransmission in gastric fundus in diabetic rats. *Nitric Oxide - Biology and Chemistry*, **2006**, 15, 344-50	5	21
26	Nerve function and regeneration in diabetic and galactosaemic rats: antioxidant and metal chelator effects. *European Journal of Pharmacology*, **1996**, 314, 33-9	5.3	21

25	Reversal of defective peripheral nerve conduction velocity, nutritive endoneurial blood flow, and oxygenation by a novel aldose reductase inhibitor, WAY-121,509, in streptozotocin-induced diabetic rats. *Journal of Diabetes and Its Complications*, **1996**, 10, 43-53	3.2	20
24	The neurocytokine, interleukin-6, corrects nerve dysfunction in experimental diabetes. *Experimental Neurology*, **2007**, 207, 23-9	5.7	19
23	Effects of trientine, a metal chelator, on defective endothelium-dependent relaxation in the mesenteric vasculature of diabetic rats. *Free Radical Research*, **2002**, 36, 1091-9	4	18
22	Effects of the diacylglycerol complexing agent, cremophor, on nerve-conduction velocity and perfusion in diabetic rats. *Journal of Diabetes and Its Complications*, **1999**, 13, 2-9	3.2	18
21	Contraction and relaxation of aortas from galactosaemic rats and the effects of aldose reductase inhibition. *European Journal of Pharmacology*, **1993**, 243, 47-53	5.3	17
20	Effect of diabetes on motor conduction velocity in different branches of the rat sciatic nerve. *Experimental Neurology*, **1986**, 92, 757-61	5.7	16
19	Neutrophils Infiltrate the Spinal Cord Parenchyma of Rats with Experimental Diabetic Neuropathy. *Journal of Diabetes Research*, **2017**, 2017, 4729284	3.9	13
18	IkappaB kinase 2 inhibition corrects defective nitrergic erectile mechanisms in diabetic mouse corpus cavernosum. *Urology*, **2006**, 68, 214-8	1.6	13
17	Effects of alpha-lipoic acid on impaired gastric fundus innervation in diabetic rats. *Free Radical Biology and Medicine*, **2003**, 35, 160-8	7.8	13
16	Neurovascular effects of L-carnitine treatment in diabetic rats. *European Journal of Pharmacology*, **1997**, 319, 239-44	5.3	12
15	Impaired myelinated fiber regeneration following freeze-injury in rats with streptozotocin-induced diabetes: involvement of the polyol pathway. *Brain Research*, **1995**, 703, 105-10	3.7	12
14	An in vitro study of corpus cavernosum and aorta from mice lacking the inducible nitric oxide synthase gene. *Nitric Oxide - Biology and Chemistry*, **2003**, 9, 194-200	5	11
13	Sciatic nerve of diabetic rat treated with epoetin delta: effects on C-fibers and blood vessels including pericytes. *Angiology*, **2010**, 61, 651-68	2.1	10
12	The effects of 5-hydroxytryptamine 5-HT2 receptor antagonists on nerve conduction velocity and endoneurial perfusion in diabetic rats. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2003**, 367, 607-14	3.4	10
11	Neurovascular interactions between aldose reductase and angiotensin-converting enzyme inhibition in diabetic rats. *European Journal of Pharmacology*, **2001**, 417, 223-30	5.3	10
10	Pentoxifylline effects on nerve conduction velocity and blood flow in diabetic rats. *International Journal of Experimental Diabetes Research*, **2000**, 1, 49-58		8
9	Fast to slow phenotypic changes in rabbit muscle can be induced without increases in neural activity. *Quarterly Journal of Experimental Physiology (Cambridge, England)*, **1988**, 73, 793-6		8
8	Poly(ADP-ribose) polymerase inhibition reverses nitrergic neurovascular dysfunctions in penile erectile tissue from streptozotocin-diabetic mice. *Journal of Sexual Medicine*, **2010**, 7, 3396-403	1.1	7

7	Recovery from immobilization-induced atrophy of rabbit soleus muscles can be accelerated by chronic low-frequency stimulation. *Quarterly Journal of Experimental Physiology (Cambridge, England)*, **1988**, 73, 797-800		6
6	Rapid fast to slow fiber transformation in response to chronic stimulation of immobilized muscles of the rabbit. *Experimental Neurology*, **1986**, 93, 531-45	5.7	6
5	Nerve function in galactosaemic rats: effects of evening primrose oil and doxazosin. *European Journal of Pharmacology*, **1995**, 281, 303-9	5.3	4
4	Vasa nervorum in rat major pelvic ganglion are innervated by nitrergic nerve fibers. *Journal of Sexual Medicine*, **2013**, 10, 2967-74	1.1	2
3	Alteration of aortic function from streptozotocin-diabetic rats with Kilham's virus is associated with inducible nitric oxide synthase. *Veterinary Journal*, **2006**, 172, 455-9	2.5	1
2	Nitric Oxide, Peripheral Neuropathy, and Diabetes **2000**, 307-326		1
1	The endothelium of basilar artery of diabetic rat treated with epoetin delta. *Angiology*, **2010**, 61, 405-14	2.1	0