

Mary A Cotter

List of Publications by Year in descending order

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61
papers

2,810
citations

159573

30
h-index

168376

53
g-index

64
all docs

64
docs citations

64
times ranked

2359
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of different patterns of muscle activity on capillary density, mechanical properties and structure of slow and fast rabbit muscles. <i>Pflugers Archiv European Journal of Physiology</i> , 1976, 361, 241-250.	2.8	240
2	The relationship of vascular changes to metabolic factors in diabetes mellitus and their role in the development of peripheral nerve complications. <i>Diabetes/metabolism Reviews</i> , 1994, 10, 189-224.	0.3	208
3	Pro-Inflammatory Mechanisms in Diabetic Neuropathy: Focus on the Nuclear Factor Kappa B Pathway. <i>Current Drug Targets</i> , 2008, 9, 60-67.	2.1	151
4	Effects of antioxidants on nerve and vascular dysfunction in experimental diabetes. <i>Diabetes Research and Clinical Practice</i> , 1999, 45, 137-146.	2.8	147
5	Pathogenesis of diabetic neuropathy: Focus on neurovascular mechanisms. <i>European Journal of Pharmacology</i> , 2013, 719, 180-186.	3.5	133
6	Effects of the protein kinase C β inhibitor LY333531 on neural and vascular function in rats with streptozotocin-induced diabetes. <i>Clinical Science</i> , 2002, 103, 311-321.	4.3	106
7	Effects of Proinsulin C-Peptide in Experimental Diabetic Neuropathy: Vascular Actions and Modulation by Nitric Oxide Synthase Inhibition. <i>Diabetes</i> , 2003, 52, 1812-1817.	0.6	96
8	Inhibitors of Advanced Glycation End Product Formation and Neurovascular Dysfunction in Experimental Diabetes. <i>Annals of the New York Academy of Sciences</i> , 2005, 1043, 784-792.	3.8	95
9	Effect of α -lipoic acid on vascular responses and nociception in diabetic rats. <i>Free Radical Biology and Medicine</i> , 2001, 31, 125-135.	2.9	87
10	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. <i>Metabolism: Clinical and Experimental</i> , 2001, 50, 868-875.	3.4	83
11	The effect of cannabinoids on capsaicin-evoked calcitonin gene-related peptide (CGRP) release from the isolated paw skin of diabetic and non-diabetic rats. <i>Neuropharmacology</i> , 2002, 42, 966-975.	4.1	76
12	Effects of protein kinase C β inhibition on neurovascular dysfunction in diabetic rats: interaction with oxidative stress and essential fatty acid dysmetabolism. <i>Diabetes/Metabolism Research and Reviews</i> , 2002, 18, 315-323.	4.0	76
13	Effects of Rosuvastatin on Nitric Oxide-Dependent Function in Aorta and Corpus Cavernosum of Diabetic Mice. <i>Diabetes</i> , 2003, 52, 2396-2402.	0.6	76
14	Angiotensin converting enzyme inhibition partially prevents deficits in water maze performance, hippocampal synaptic plasticity and cerebral blood flow in streptozotocin-diabetic rats. <i>Brain Research</i> , 2003, 966, 274-282.	2.2	73
15	Treatment with the xanthine oxidase inhibitor, allopurinol, improves nerve and vascular function in diabetic rats. <i>European Journal of Pharmacology</i> , 2007, 561, 63-71.	3.5	72
16	Effects of Eugenol on Nerve and Vascular Dysfunction in Streptozotocin-Diabetic Rats. <i>Planta Medica</i> , 2006, 72, 494-500.	1.3	59
17	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. <i>American Journal of Pathology</i> , 2012, 181, 719-727.	3.8	57
18	Looking to the future: diabetic neuropathy and effects of rosuvastatin on neurovascular function in diabetes models. <i>Diabetes Research and Clinical Practice</i> , 2003, 61, S35-S39.	2.8	50

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19	Effects of diabetes on reactivity of sciatic vasa nervorum in rats. <i>Journal of Diabetes and Its Complications</i> , 1997, 11, 47-55.	2.3	47
20	Effects of the peroxynitrite decomposition catalyst, FeTMPyP, on function of corpus cavernosum from diabetic mice. <i>European Journal of Pharmacology</i> , 2004, 502, 143-148.	3.5	47
21	The effects of evening primrose oil on nerve function and capillarization in streptozotocin-diabetic rats: modulation by the cyclooxygenase inhibitor flurbiprofen. <i>British Journal of Pharmacology</i> , 1993, 109, 972-979.	5.4	41
22	Effects of Aldose Reductase Inhibition on Responses of the Corpus Cavernosum and Mesenteric Vascular Bed of Diabetic Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 35, 606-613.	1.9	41
23	Effects of chelator treatment on aorta and corpus cavernosum from diabetic rats. <i>Free Radical Biology and Medicine</i> , 1999, 27, 536-543.	2.9	38
24	Diabetes causes an early reduction in autonomic ganglion blood flow in rats. <i>Journal of Diabetes and Its Complications</i> , 2001, 15, 198-202.	2.3	38
25	Dissociation between biochemical and functional effects of the aldose reductase inhibitor, ponalrestat, on peripheral nerve in diabetic rats. <i>British Journal of Pharmacology</i> , 1992, 107, 939-944.	5.4	35
26	Effects of diabetes and evening primrose oil treatment on responses of aorta, corpus cavernosum and mesenteric vasculature in rats. <i>Life Sciences</i> , 2002, 71, 1863-1877.	4.3	35
27	Erectile Dysfunction and Diabetes Mellitus: Mechanistic Considerations from Studies in Experimental Models. <i>Current Diabetes Reviews</i> , 2007, 3, 149-158.	1.3	34
28	Microvascular dysfunction and efficacy of PDE5 inhibitors in BPH-LUTS. <i>Nature Reviews Urology</i> , 2014, 11, 231-241.	3.8	34
29	Corpus cavernosum dysfunction in diabetic rats: effects of combined lipoic acid and linolenic acid treatment. <i>Diabetes/Metabolism Research and Reviews</i> , 2001, 17, 380-386.	4.0	33
30	Protein kinase C β inhibition and aorta and corpus cavernosum function in streptozotocin-diabetic mice. <i>European Journal of Pharmacology</i> , 2003, 475, 99-106.	3.5	33
31	ATP-sensitive K $^{+}$ channel effects on nerve function, Na $^{+}$, K $^{+}$ ATPase, and glutathione in diabetic rats. <i>European Journal of Pharmacology</i> , 2000, 397, 335-341.	3.5	30
32	Nerve function and regeneration in diabetic and galactosaemic rats: antioxidant and metal chelator effects. <i>European Journal of Pharmacology</i> , 1996, 314, 33-39.	3.5	28
33	Correction of neurovascular deficits in diabetic rats by β -adrenoceptor agonist and α -adrenoceptor antagonist treatment: Interactions with the nitric oxide system. <i>European Journal of Pharmacology</i> , 1998, 343, 217-223.	3.5	26
34	The calpain inhibitor, A-705253, corrects penile nitrenergic nerve dysfunction in diabetic mice. <i>European Journal of Pharmacology</i> , 2006, 538, 148-153.	3.5	26
35	Effects of Trientine, a Metal Chelator, on Defective Endothelium-dependent Relaxation in the Mesenteric Vasculature of Diabetic Rats. <i>Free Radical Research</i> , 2002, 36, 1091-1099.	3.3	24
36	Effects of poly(ADP-ribose) polymerase inhibition on dysfunction of non-adrenergic non-cholinergic neurotransmission in gastric fundus in diabetic rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 15, 344-350.	2.7	24

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37	Contraction and relaxation of aortas from galactosaemic rats and the effects of aldose reductase inhibition. <i>European Journal of Pharmacology</i> , 1993, 243, 47-53.	3.5	22
38	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. <i>Journal of Diabetes and Its Complications</i> , 1996, 10, 43-53.	2.3	22
39	Effects of the Diacylglycerol Complexing Agent, Cremophor, on Nerve-Conduction Velocity and Perfusion in Diabetic Rats. <i>Journal of Diabetes and Its Complications</i> , 1999, 13, 2-9.	2.3	21
40	The neurocytokine, interleukin-6, corrects nerve dysfunction in experimental diabetes. <i>Experimental Neurology</i> , 2007, 207, 23-29.	4.1	21
41	Neutrophils Infiltrate the Spinal Cord Parenchyma of Rats with Experimental Diabetic Neuropathy. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-10.	2.3	19
42	Effect of diabetes on motor conduction velocity in different branches of the rat sciatic nerve. <i>Experimental Neurology</i> , 1986, 92, 757-761.	4.1	18
43	Impaired myelinated fiber regeneration following freeze-injury in rats with streptozotocin-induced diabetes: involvement of the polyol pathway. <i>Brain Research</i> , 1995, 703, 105-110.	2.2	16
44	Î² kinase 2 inhibition corrects defective nitrgergic erectile mechanisms in diabetic mouse corpus cavernosum. <i>Urology</i> , 2006, 68, 214-218.	1.0	15
45	Neurovascular effects of l-carnitine treatment in diabetic rats. <i>European Journal of Pharmacology</i> , 1997, 319, 239-244.	3.5	14
46	Effects of Î±-lipoic acid on impaired gastric fundus innervation in diabetic rats. <i>Free Radical Biology and Medicine</i> , 2003, 35, 160-168.	2.9	14
47	Neurovascular interactions between aldose reductase and angiotensin-converting enzyme inhibition in diabetic rats. <i>European Journal of Pharmacology</i> , 2001, 417, 223-230.	3.5	13
48	An in vitro study of corpus cavernosum and aorta from mice lacking the inducible nitric oxide synthase gene. <i>Nitric Oxide - Biology and Chemistry</i> , 2003, 9, 194-200.	2.7	12
49	Sciatic Nerve of Diabetic Rat Treated With Epoetin Delta: Effects on C-Fibers and Blood Vessels Including Pericytes. <i>Angiology</i> , 2010, 61, 651-668.	1.8	12
50	Pentoxifylline Effects on Nerve Conduction Velocity and Blood Flow in Diabetic Rats. <i>International Journal of Experimental Diabetes Research</i> , 2000, 1, 49-58.	1.1	11
51	The effects of 5-hydroxytryptamine 5-HT ₂ receptor antagonists on nerve conduction velocity and endoneurial perfusion in diabetic rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 367, 607-614.	3.0	10
52	Rapid fast to slow fiber transformation in response to chronic stimulation of immobilized muscles of the rabbit. <i>Experimental Neurology</i> , 1986, 93, 531-545.	4.1	9
53	FAST TO SLOW PHENOTYPIC CHANGES IN RABBIT MUSCLE CAN BE INDUCED WITHOUT INCREASES IN NEURAL ACTIVITY. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1988, 73, 793-796.	1.0	8
54	RECOVERY FROM IMMOBILIZATION-INDUCED ATROPHY OF RABBIT SOLEUS MUSCLES CAN BE ACCELERATED BY CHRONIC LOW-FREQUENCY STIMULATION. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1988, 73, 797-800.	1.0	8

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55	Poly(ADP-Ribose) Polymerase Inhibition Reverses Nitregic Neurovascular Dysfunctions in Penile Erectile Tissue from Streptozotocin-Diabetic Mice. <i>Journal of Sexual Medicine</i> , 2010, 7, 3396-3403.	0.6	7
56	Nerve function in galactosaemic rats: effects of evening primrose oil and doxazosin. <i>European Journal of Pharmacology</i> , 1995, 281, 303-309.	3.5	5
57	Alteration of aortic function from streptozotocin-diabetic rats with Kilham's virus is associated with inducible nitric oxide synthase. <i>Veterinary Journal</i> , 2006, 172, 455-459.	1.7	2
58	Vasa Nervorum in Rat Major Pelvic Ganglion are Innervated by Nitregic Nerve Fibers. <i>Journal of Sexual Medicine</i> , 2013, 10, 2967-2974.	0.6	2
59	The Endothelium of Basilar Artery of Diabetic Rat Treated With Epoetin Delta. <i>Angiology</i> , 2010, 61, 405-414.	1.8	1
60	Nitric Oxide, Peripheral Neuropathy, and Diabetes. , 2000, , 307-326.		1
61	Comparison of the effects of an aldose reductase inhibitor and a sorbitol dehydrogenase inhibitor on nerve function in streptozotocin-diabetic rat. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1997, 105, 52-53.	1.2	0