Elspeth M Mclachlan

List of Publications by Year
in descending order

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107 papers	6,790 citations	61945 43 h-index	62565 80 g-index
108 all docs	108 docs citations	108 times ranked	3708 citing authors

#	Article	IF	Citations
1	The sacral autonomic outflow: against premature oversimplification. Clinical Autonomic Research, 2018, 28, 5-6.	1.4	7
2	Renaming all spinal autonomic outflows as sympathetic is a mistake. Autonomic Neuroscience: Basic and Clinical, 2017, 206, 60-62.	1.4	15
3	The Sacral Autonomic Outflow Is Spinal, but Not â€œSympatheticâ€. Anatomical Record, 2017, 300, 1369-1370.	0.8	15
4	Transparency in Research involving Animals: The Basel Declaration and new principles for reporting research in BJP manuscripts. British Journal of Pharmacology, 2015, 172, 2427-2432.	2.7	42
5	Inflammation in dorsal root ganglia after peripheral nerve injury: Effects of the sympathetic innervation. Autonomic Neuroscience: Basic and Clinical, 2014, 182, 108-117.	1.4	56
6	Removal of half the sympathetic innervation does not reduce vasoconstrictor responses in rat tail artery. Journal of Physiology, 2013, 591, 2867-2884.	1.3	4
7	Local and Remote Immune-Mediated Inflammation After Mild Peripheral Nerve Compression in Rats. Journal of Neuropathology and Experimental Neurology, 2013, 72, 662-680.	0.9	89
8	Mollie Elizabeth Holman 1930â€“2010. Historical Records of Australian Science, 2013, 24, 242.	0.3	2
9	Nerve-Evoked Constriction of Rat Tail Veins Is Potentiated and Venous Diameter Is Reduced after Chronic Spinal Cord Transection. Journal of Neurotrauma, 2011, 28, 821-829.	1.7	5
10	Slow and incomplete sympathetic reinnervation of rat tail artery restores the amplitude of nerve-evoked contractions provided a perivascular plexus is present. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H541-H554.	1.5	8
11	Transient supersensitivity to Î±â€adrenoceptor agonists, and distinct hyperâ€reactivity to vasopressin and angiotensin II after denervation of rat tail artery. British Journal of Pharmacology, 2010, 159, 142-153.	2.7	21
12	Sympathetic Vasoconstriction Is Potentiated in Arteries Caudal but Not Rostral to a Spinal Cord Transection in Rats. Journal of Neurotrauma, 2010, 27, 2077-2089.	1.7	21
13	Spinal Autonomic Preganglionic Neurons: the visceral efferent system of the spinal cord. , 2009, , 115-129.		6
14	The Effect of Menthol on Cold Allodynia in Patients with Neuropathic Pain. Pain Medicine, 2008, 9, 354-358.	0.9	68
15	3 Splice. , 2008, , 1-1.		0
16	Residual spinothalamic tract pathways predict development of central pain after spinal cord injury. Brain, 2008, 131, 2387-2400.	3.7	151
17	Sprouting in Dorsal Root Ganglia. , 2008, , 237-244.		0
18	Distinct Types of Microglial Activation in White and Grey Matter of Rat Lumbosacral Cord After Mid-Thoracic Spinal Transection. Journal of Neuropathology and Experimental Neurology, 2007, 66, 698-710.	0.9	38

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19	Immune cell involvement in dorsal root ganglia and spinal cord after chronic constriction or transection of the rat sciatic nerve. Brain, Behavior, and Immunity, 2007, 21, 599-616.	2.0	238
20	Neutrophils rarely invade dorsal root ganglia after peripheral nerve lesions. Journal of Neuroimmunology, 2007, 187, 212-213.	1.1	5
21	Synaptic Signaling in Sympathetic Vasoconstrictor Pathways and the Effects of Injury. Tzu Chi Medical Journal, 2007, 19, 186-191.	0.4	0
22	Diversity of sympathetic vasoconstrictor pathways and their plasticity after spinal cord injury. Clinical Autonomic Research, 2007, 17, 6-12.	1.4	31
23	Adaptations of peripheral vasoconstrictor pathways after spinal cord injury. Progress in Brain Research, 2006, 152, 289-297.	0.9	20
24	Enhanced neurally evoked responses and inhibition of norepinephrine reuptake in rat mesenteric arteries after spinal transection. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H398-H405.	1.5	45
25	Hyperinnervation of Mesenteric Arteries in Spontaneously Hypertensive Rats by Sympathetic but Not Primary Afferent Axons. Journal of Vascular Research, 2005, 42, 348-358.	0.6	19
26	Tail arteries from chronically spinalized rats have potentiated responses to nerve stimulationin vitro. Journal of Physiology, 2004, 556, 545-555.	1.3	51
27	Chronic decentralization potentiates neurovascular transmission in the isolated rat tail artery, mimicking the effects of spinal transection. Journal of Physiology, 2004, 561, 583-596.	1.3	41
28	Inflammation in sympathetic ganglia proximal to sciatic nerve transection in rats. Neuroscience Letters, 2004, 365, 39-42.	1.0	21
29	Inflammation of rat dorsal root ganglia below a mid-thoracic spinal transection. NeuroReport, 2004, 15, 1783-1786.	0.6	23
30	Distinct functional types of macrophage in dorsal root ganglia and spinal nerves proximal to sciatic and spinal nerve transections in the rat. Experimental Neurology, 2003, 184, 590-605.	2.0	97
31	Responses to sympathomimetics in rat sensory neurones after nerve transection. NeuroReport, 2003, 14, 9-13.	0.6	9
32	Selective Reactions of Cutaneous and Muscle Afferent Neurons to Peripheral Nerve Transection in Rats. Journal of Neuroscience, 2003, 23, 10559-10567.	1.7	83
33	Simulations to Derive Membrane Resistivity in Three Phenotypes of Guinea Pig Sympathetic Postganglionic Neuron. Journal of Neurophysiology, 2003, 89, 2430-2440.	0.9	6
34	Blood vessels and nerves: together or not?. Lancet, The, 2002, 360, 1714.	6.3	8
35	Macrophage and lymphocyte invasion of dorsal root ganglia after peripheral nerve lesions in the rat. Neuroscience, 2002, 112, 23-38.	1.1	262
36	Correlation between electrophysiology and morphology of three groups of neuron in the dorsal commissural nucleus of lumbosacral spinal cord of mature rats studied in vitro. Journal of Comparative Neurology, 2001, 437, 156-169.	0.9	38

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37	Ultrastructure of substance P-immunoreactive terminals and their relation to vascular smooth muscle cells of rat small mesenteric arteries. , 2000, 416, 277-290.		16
38	Distinct mechanisms for activation of Cl â^' and K + currents by Ca 2+ from different sources in mouse sympathetic neurones. Journal of Physiology, 2000, 527, 249-264.	1.3	32
39	Diversity of Channels Involved in Ca2+ Activation of K+ Channels During the Prolonged AHP in Guinea-Pig Sympathetic Neurons. Journal of Neurophysiology, 2000, 84, 1346-1354.	0.9	29
40	Distinct sprouting responses of sympathetic and peptidergic sensory axons proximal to a sciatic nerve transection in guinea pigs and rats. Neuroscience Letters, 2000, 295, 59-63.	1.0	17
41	Electrophysiological Roles of L-Type Channels in Different Classes of Guinea Pig Sympathetic Neuron. Journal of Neurophysiology, 1999, 82, 818-828.	0.9	21
42	Satellite-cell-derived nerve growth factor and neurotrophin-3 are involved in noradrenergic sprouting in the dorsal root ganglia following peripheral nerve injury in the rat. European Journal of Neuroscience, 1999, 11, 1711-1722.	1.2	202
43	Calcium channel subtypes differ at two types of cholinergic synapse in lumbar sympathetic neurones of guinea-pigs. Journal of Physiology, 1999, 514, 59-69.	1.3	26
44	SYNAPTIC RESPONSES EVOKED BY LOWER URINARY TRACT STIMULATION IN SUPERIOR CERVICAL GANGLION CELLS IN THE RAT. Journal of Urology, 1999, 161, 1666-1671.	0.2	7
45	Changes in the action potential in sensory neurones after peripheral axotomy in vivo. NeuroReport, 1999, 10, 201-206.	0.6	72
46	Tetrodotoxin-resistant impulses in single nociceptor nerve terminals in guinea-pig cornea. Journal of Physiology, 1998, 512, 211-217.	1.3	186
47	Analysis of the periodicity of synaptic events in neurones in the superior cervical ganglion of anaesthetized rats. Journal of Physiology, 1998, 511, 461-478.	1.3	30
48	The role of N-type Ca2+ channels in regulating excitability of guinea-pig sympathetic neurones. Journal of the Autonomic Nervous System, 1998, 73, 109-114.	1.9	13
49	On-going and reflex synaptic events in rat superior cervical ganglion cells. Journal of Physiology, 1997, 501, 165-182.	1.3	65
50	Electrophysiological properties of neurons in intact rat dorsal root ganglia classified by conduction velocity and action potential duration. Journal of Neurophysiology, 1996, 76, 1924-1941.	0.9	187
51	Differential Expression of the p75 Nerve Growth Factor Receptor in Glia and Neurons of the Rat Dorsal Root Ganglia after Peripheral Nerve Transection. Journal of Neuroscience, 1996, 16, 2901-2911.	1.7	182
52	Three electrophysiological classes of guinea pig sympathetic postganglionic neurone have distinct morphologies. , 1996, 369, 372-387.		40
53	Proportions and structure of contacting and non-contacting varicosities in the perivascular plexus of the rat tail artery. Journal of Comparative Neurology, 1995, 361, 699-709.	0.9	20
54	Membrane properties and synaptic potentials in rat sympathetic preganglionic neurons studied in horizontal spinal cord slices in vitro. Journal of the Autonomic Nervous System, 1995, 53, 1-15.	1.9	36

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55	Electrical activity in rat tail artery during asynchronous activation of postganglionic nerve terminals by ciguatoxinâ€1. British Journal of Pharmacology, 1995, 116, 2213-2220.	2.7	23
56	Properties of Preganglionic and Postganglionic Neurones in Vasoconstrictor Pathways of Rats and Guinea Pigs. Clinical and Experimental Hypertension, 1995, 17, 345-359.	0.5	3
57	SP- and CGRP-immunoreactive axons differ in their ability to reinnervate the skin of the rat tail. Neuroscience Letters, 1994, 176, 147-151.	1.0	22
58	Peripheral nerve injury triggers noradrenergic sprouting within dorsal root ganglia. Nature, 1993, 363, 543-546.	13.7	753
59	Neurotransmitter role for ATP?. Nature, 1993, 361, 310-310.	13.7	11
60	Differences in electrophysiological properties between neurones of the dorsal motor nucleus of the vagus in rat and guinea pig. Journal of the Autonomic Nervous System, 1993, 42, 89-98.	1.9	11
61	Calcium induced calcium release is involved in the afterhyperpolarization in one class of guinea pig sympathetic neurone. Journal of the Autonomic Nervous System, 1993, 42, 251-257.	1.9	49
62	Characteristics of function-specific pathways in the sympathetic nervous system. Trends in Neurosciences, 1992, 15, 475-481.	4.2	218
63	Specialized functional pathways are the building blocks of the autonomic nervous system. Journal of the Autonomic Nervous System, 1992, 41, 3-13.	1.9	88
64	Distribution of sympathetic neuroeffector junctions in the juxtaglomerular region of the rabbit kidney. Journal of the Autonomic Nervous System, 1992, 40, 239-253.	1.9	64
65	Ca2+-activated K+ currents underlying the afterhyperpolarization in guinea pig vagal neurons: A role for Ca2+-activated Ca2+ release. Neuron, 1991, 7, 257-264.	3.8	178
66	The time course of the development of the sympathetic innervation of the vasculature of the rat tail. Journal of the Autonomic Nervous System, 1991, 35, 117-132.	1.9	30
67	Connectivity of peripheral afferent fibres with different types of sympathetic prevertebral neurones in the guinea pig. Journal of the Autonomic Nervous System, 1991, 33, 156.	1.9	0
68	Two types of sympathetic axon innervating the juxtaglomerular arterioles of the rabbit and rat kidney differ structurally from those supplying other arteries. Journal of Neurocytology, 1991, 20, 781-795.	1.6	51
69	Frequency of Neuromuscular Junctions on Arteries of Different Dimensions in the Rabbit, Guinea Pig and Rat. Journal of Vascular Research, 1989, 26, 95-106.	0.6	20
70	Are there bulbospinal catecholaminergic neurones in the Guinea pig equivalent to the C1 cell group in the rat and rabbit?. Brain Research, 1989, 481, 274-285.	1.1	12
71	Distribution of sympathetic preganglionic neurons and monoaminergic nerve terminals in the spinal cord of the rat. Journal of Comparative Neurology, 1989, 283, 269-284.	0.9	89
72	The form of sympathetic postganglionic axons at clustered neuromuscular junctions near branch points of arterioles in the submucosa of the guinea pig ileum. Journal of Neurocytology, 1988, 17, 451-463.	1.6	26

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73	Axons of peripheral origin preferentially synapse with tonic neurones in the guinea pig coeliac ganglion. Neuroscience Letters, 1988, 86, 189-194.	1.0	28
74	Muscarinic agonists block five different potassium conductances in guineaâ€pig sympathetic neurones. British Journal of Pharmacology, 1987, 91, 259-261.	2.7	42
75	The relationship of terminals containing neuropeptide Y-like immunoreactivity to lumbar sympathetic vasoconstrictor neurones in the rabbit. Neuroscience Letters, 1987, 80, 33-38.	1.0	19
76	Organization of lumbar spinal outflow to distal colon and pelvic organs. Physiological Reviews, 1987, 67, 1332-1404.	13.1	245
77	An ultrastructural analysis of the sympathetic neuromuscular junctions on arterioles of the submucosa of the guinea pig ileum. Journal of Comparative Neurology, 1987, 257, 578-594.	0.9	83
78	The immunohistochemical distribution of neuropeptide Y in lumbar pre- and paravertebral sympathetic ganglia of the guinea pig. Journal of the Autonomic Nervous System, 1986, 17, 313-324.	1.9	47
79	The sympathetic and sensory components of the caudal lumbar sympathetic trunk in the cat. Journal of Comparative Neurology, 1986, 245, 62-73.	0.9	43
80	Identification of distinct topographical distributions of lumbar sympathetic and sensory neurons projecting to end organs with different functions in the cat. Journal of Comparative Neurology, 1986, 246, 104-112.	0.9	61
81	Characteristics of phasic and tonic sympathetic ganglion cells of the guineaâ€pig.. Journal of Physiology, 1986, 372, 457-483.	1.3	159
82	The afferent and sympathetic components of the lumbar spinal outflow to the colon and pelvic organs in the cat. I. The hypogastric nerve. Journal of Comparative Neurology, 1985, 238, 135-146.	0.9	93
83	The afferent and sympathetic components of the lumbar spinal outflow to the colon and pelvic organs in the cat. II. The lumbar splanchnic nerves. Journal of Comparative Neurology, 1985, 238, 147-157.	0.9	58
84	The afferent and sympathetic components of the lumbar spinal outflow to the colon and pelvic organs in the cat. III. The colonic nerves, incorporating an analysis of all components of the lumbar prevertebral outflow. Journal of Comparative Neurology, 1985, 238, 158-168.	0.9	74
85	Localization of hindlimb vasomotor neurones in the lumbar spinal cord of the guinea pig. Neuroscience Letters, 1985, 54, 269-275.	1.0	37
86	The components of the hypogastric nerve in male and female guinea pigs. Journal of the Autonomic Nervous System, 1985, 13, 327-342.	1.9	54
87	On the anatomical organization of the lumbosacral sympathetic chain and the lumbar splanchnic nerves of the catâ€"Langley revisited. Journal of the Autonomic Nervous System, 1985, 12, 289-300.	1.9	28
88	On the fate of sympathetic and sensory neurons projecting into a neuroma of the superficial peroneal nerve in the cat. Journal of Comparative Neurology, 1984, 225, 302-311.	0.9	66
89	The cell bodies of origin of sympathetic and sensory axons in some skin and muscle nerves of the cat hindlimb. Journal of Comparative Neurology, 1983, 214, 115-130.	0.9	114
90	Rapid adjustment of sarcomere length in tenotomized muscles depends on an intact innervation. Neuroscience Letters, 1983, 35, 127-133.	1.0	35

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91	Atrophic effects of proximal tendon transection with and without denervation on mouse soleus muscles. Experimental Neurology, 1983, 81, 651-668.	2.0	24
92	Modification of the atrophic effects of tenotomy on mouse soleus muscles by various hind limb nerve lesions and different levels of voluntary motor activity. Experimental Neurology, 1983, 81, 669-682.	2.0	18
93	Rapid atrophy of mouse soleus muscles after tenotomy depends on an intact innervation. Neuroscience Letters, 1981, 25, 269-274.	1.0	33
94	Nonâ€linear summation of endâ€plate potentials in the frog and mouse.. Journal of Physiology, 1981, 311, 307-324.	1.3	351
95	An analysis of the sympathetic preganglionic neurons projecting from the upper thoracic spinal roots of the cat. Journal of Comparative Neurology, 1981, 196, 329-345.	0.9	114
96	Some observation on the catecholaminergic innervation of the intermediate zone of the thoracolumbar spinal cord of the cat. Journal of Comparative Neurology, 1981, 200, 529-544.	0.9	25
97	The segmental origin of preganglionic axons in the upper thoracic rami of the cat. Neuroscience Letters, 1980, 18, 11-17.	1.0	39
98	Dependence of Deoxycorticosterone/Salt Hypertension in the Rat on the Activity of Adrenergic Cardiac Nerves. Clinical Science, 1979, 57, 203-210.	1.8	25
99	A mechanism for the observed recovery from ineffectiveness of synapses in the central nervous system. Journal of Theoretical Biology, 1978, 71, 433-440.	0.8	16
100	Localization of sensory neurons traversing the stellate ganglion of the cat. Journal of Comparative Neurology, 1978, 182, 915-922.	0.9	58
101	Uptake and retrograde transport of HRP by axons of intact and damaged peripheral nerve trunks. Neuroscience Letters, 1977, 6, 135-141.	1.0	50
102	Electrophysiological evidence for the second store of ACh in preganglionic nerve terminals. Brain Research, 1975, 98, 373-376.	1.1	15
103	The formation of synapses in mammalian sympathetic ganglia reinnervated with preganglionic or somatic nerves. Journal of Physiology, 1974, 237, 217-242.	1.3	99
104	The formation of synapses in mammalian striated muscle reinnervated with autonomic preganglionic nerves. Journal of Physiology, 1973, 233, 501-517.	1.3	53
105	The formation of synapses in reinnervated mammalian striated muscle. Journal of Physiology, 1973, 233, 481-500.	1.3	110
106	An electrophysiological analysis of the synthesis of acetylcholine in preganglionic nerve terminals. Journal of Physiology, 1972, 221, 669-682.	1.3	38
107	An electrophysiological analysis of the storage of acetylcholine in preganglionic nerve terminals. Journal of Physiology, 1972, 221, 657-668.	1.3	59