

Marc P Kaufman

List of Publications by Year in descending order

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106
papers

2,962
citations

172207

29
h-index

189595

50
g-index

108
all docs

108
docs citations

108
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	The Exercise Pressor Reflex. <i>Clinical Autonomic Research</i> , 2002, 12, 429-439.	1.4	228
2	Responses of group III and IV muscle afferents to dynamic exercise. <i>Journal of Applied Physiology</i> , 1997, 82, 1811-1817.	1.2	192
3	Effect of arterial occlusion on responses of group III and IV afferents to dynamic exercise. <i>Journal of Applied Physiology</i> , 1998, 84, 1827-1833.	1.2	104
4	Comparison between the effect of static contraction and tendon stretch on the discharge of group III and IV muscle afferents. <i>Journal of Applied Physiology</i> , 2005, 99, 1891-1896.	1.2	102
5	Responses of group III and IV muscle afferents to distension of the peripheral vascular bed. <i>Journal of Applied Physiology</i> , 1999, 87, 545-553.	1.2	100
6	Both central command and exercise pressor reflex reset carotid sinus baroreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1454-H1463.	1.5	96
7	The exercise pressor reflex in animals. <i>Experimental Physiology</i> , 2012, 97, 51-58.	0.9	88
8	Role played by purinergic receptors on muscle afferents in evoking the exercise pressor reflex. <i>Journal of Applied Physiology</i> , 2003, 94, 1437-1445.	1.2	82
9	Gadolinium attenuates exercise pressor reflex in cats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H2153-H2161.	1.5	80
10	Chronic femoral artery occlusion augments exercise pressor reflex in decerebrated rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H106-H113.	1.5	73
11	Activation of thin-fiber muscle afferents by a P2X agonist in cats. <i>Journal of Applied Physiology</i> , 2004, 96, 1166-1169.	1.2	70
12	The mechano-gated channel inhibitor GsMTx4 reduces the exercise pressor reflex in decerebrate rats. <i>Journal of Physiology</i> , 2016, 594, 641-655.	1.3	65
13	Discharge Properties of Group III and IV Muscle Afferents. <i>Advances in Experimental Medicine and Biology</i> , 2002, 508, 25-32.	0.8	57
14	$\hat{1}\pm, \hat{1}^2$ -Methylene ATP elicits a reflex pressor response arising from muscle in decerebrate cats. <i>Journal of Applied Physiology</i> , 2002, 93, 834-841.	1.2	57
15	Cyclooxygenase blockade attenuates responses of group III and IV muscle afferents to dynamic exercise in cats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H2239-H2246.	1.5	57
16	Blockade of acid sensing ion channels attenuates the exercise pressor reflex in cats. <i>Journal of Physiology</i> , 2007, 581, 1271-1282.	1.3	57
17	Blockade of acid sensing ion channels attenuates the augmented exercise pressor reflex in rats with chronic femoral artery occlusion. <i>Journal of Physiology</i> , 2011, 589, 6173-6189.	1.3	57
18	Pressor reflex response to static muscular contraction: Its afferent arm and possible neurotransmitters. <i>American Journal of Cardiology</i> , 1988, 62, 58E-62E.	0.7	49

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19	Role played by acid-sensitive ion channels in evoking the exercise pressor reflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1720-H1725.	1.5	45
20	Acid-sensing ion channels contribute to the metaboreceptor component of the exercise pressor reflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H443-H449.	1.5	38
21	Gadolinium inhibits group III but not group IV muscle afferent responses to dynamic exercise. <i>Journal of Physiology</i> , 2009, 587, 873-882.	1.3	36
22	VR-1 receptor blockade attenuates the pressor response to capsaicin but has no effect on the pressor response to contraction in cats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1867-H1873.	1.5	35
23	P2X2/3 and P2X3 receptors contribute to the metaboreceptor component of the exercise pressor reflex. <i>Journal of Applied Physiology</i> , 2010, 109, 1416-1423.	1.2	35
24	The exercise pressor reflex and peripheral artery disease. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 188, 69-73.	1.4	34
25	The mechano-gated channel inhibitor GsMTx4 reduces the exercise pressor reflex in rats with ligated femoral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1233-H1241.	1.5	34
26	P2 antagonist PPADS attenuates responses of thin fiber afferents to static contraction and tendon stretch. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1214-H1219.	1.5	33
27	Endoperoxide 4 receptors play a role in evoking the exercise pressor reflex in rats with simulated peripheral artery disease. <i>Journal of Physiology</i> , 2013, 591, 2949-2962.	1.3	33
28	Peripheral μ -opioid receptors attenuate the augmented exercise pressor reflex in rats with chronic femoral artery occlusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H557-H565.	1.5	32
29	Purinergic 2X receptors play a role in evoking the exercise pressor reflex in rats with peripheral artery insufficiency. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H396-H404.	1.5	32
30	Combined, but not individual, blockade of ASIC3, P2X, and EP4 receptors attenuates the exercise pressor reflex in rats with freely perfused hindlimb muscles. <i>Journal of Applied Physiology</i> , 2015, 119, 1330-1336.	1.2	30
31	Stimulation of group III and IV muscle afferents reflexly decreases total pulmonary resistance in dogs. <i>Respiration Physiology</i> , 1985, 59, 185-195.	2.8	29
32	Blockade of purinergic 2 receptors attenuates the mechanoreceptor component of the exercise pressor reflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2995-H3000.	1.5	29
33	Blockade of the TP receptor attenuates the exercise pressor reflex in decerebrated rats with chronic femoral artery occlusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2140-H2146.	1.5	28
34	Purinergic 2 receptor blockade prevents the responses of group IV afferents to post-contraction circulatory occlusion. <i>Journal of Physiology</i> , 2007, 578, 301-308.	1.3	27
35	Inhibition of cyclooxygenase attenuates the blood pressure response to plantar flexion exercise in peripheral arterial disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H523-H528.	1.5	27
36	Endomorphins potentiate acid-sensing ion channel currents and enhance the lactic acid-mediated increase in arterial blood pressure: effects amplified in hindlimb ischaemia. <i>Journal of Physiology</i> , 2017, 595, 7167-7183.	1.3	27

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37	Role played by P2X and P2Y receptors in evoking the muscle chemoreflex. <i>Journal of Applied Physiology</i> , 2008, 104, 538-541.	1.2	26
38	Estrogen attenuates the cardiovascular and ventilatory responses to central command in cats. <i>Journal of Applied Physiology</i> , 2002, 92, 1635-1641.	1.2	25
39	Femoral artery ligation increases the responses of thin-fiber muscle afferents to contraction. <i>Journal of Neurophysiology</i> , 2015, 113, 3961-3966.	0.9	25
40	Both central command and exercise pressor reflex activate cardiac sympathetic nerve activity in decerebrate cats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1157-H1163.	1.5	24
41	Immunoneutralization of substance P attenuates the reflex pressor response to muscular contraction. <i>Brain Research</i> , 1986, 377, 199-203.	1.1	23
42	MLR stimulation and exercise pressor reflex activate different renal sympathetic fibers in decerebrate cats. <i>Journal of Applied Physiology</i> , 2002, 92, 1628-1634.	1.2	23
43	Thin-fiber mechanoreceptors reflexly increase renal sympathetic nerve activity during static contraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H866-H873.	1.5	23
44	Tempol attenuates the exercise pressor reflex independently of neutralizing reactive oxygen species in femoral artery ligated rats. <i>Journal of Applied Physiology</i> , 2011, 111, 971-979.	1.2	23
45	Peripheral $\hat{\nu}$ -opioid receptors attenuate the exercise pressor reflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1246-H1255.	1.5	23
46	The role played by oxidative stress in evoking the exercise pressor reflex in health and simulated peripheral artery disease. <i>Journal of Physiology</i> , 2017, 595, 4365-4378.	1.3	23
47	Role played by interleukin-6 in evoking the exercise pressor reflex in decerebrate rats: effect of femoral artery ligation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H166-H173.	1.5	21
48	Stimulation of the MLR inhibits the discharge of dorsal horn neurons responsive to muscular contraction. <i>Brain Research</i> , 2000, 880, 178-182.	1.1	19
49	Comparison of the exercise pressor reflex between forelimb and hindlimb muscles in cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R1127-R1133.	0.9	18
50	Blocking the transient receptor potential vanilloid-1 does not reduce the exercise pressor reflex in healthy rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R576-R587.	0.9	18
51	Central command, but not muscle reflex, stimulates cutaneous sympathetic efferents of cats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H1552-H1559.	1.5	16
52	Control of breathing during dynamic exercise by thin fiber muscle afferents. <i>Journal of Applied Physiology</i> , 2010, 109, 947-948.	1.2	16
53	Blockade of B2 receptors attenuates the responses of group III afferents to static contraction. <i>Neuroscience Letters</i> , 2013, 555, 231-236.	1.0	16
54	ASIC1a plays a key role in evoking the metabolic component of the exercise pressor reflex in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H78-H89.	1.5	16

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55	Spinoreticular neurons that receive group III input are inhibited by MLR stimulation. <i>Journal of Applied Physiology</i> , 2002, 93, 92-98.	1.2	14
56	Acid-sensing ion and epithelial sodium channels do not contribute to the mechanoreceptor component of the exercise pressor reflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1017-H1024.	1.5	14
57	Muscular contraction reflexly relaxes tracheal smooth muscle in dogs. <i>Respiration Physiology</i> , 1984, 56, 61-72.	2.8	13
58	Dorsal root tetrodotoxin-resistant sodium channels do not contribute to the augmented exercise pressor reflex in rats with chronic femoral artery occlusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H652-H663.	1.5	13
59	Alteration of the mu opioid receptor: Ca ²⁺ channel signaling pathway in a subset of rat sensory neurons following chronic femoral artery occlusion. <i>Journal of Neurophysiology</i> , 2014, 112, 3104-3115.	0.9	13
60	High concentrations of 17 β -estradiol attenuate the exercise pressor reflex in male cats. <i>Journal of Applied Physiology</i> , 2003, 94, 1431-1436.	1.2	12
61	Spinal estrogen attenuates the exercise pressor reflex but has little effect on the expression of genes regulating neurotransmitters in the dorsal root ganglia. <i>Journal of Applied Physiology</i> , 2006, 100, 958-964.	1.2	12
62	PPADS does not block contraction-induced prostaglandin E2 synthesis in cat skeletal muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2043-H2045.	1.5	12
63	Effect on airway caliber of stimulation of the hypothalamic locomotor region. <i>Journal of Applied Physiology</i> , 1998, 84, 1388-1394.	1.2	11
64	Hindlimb venous distention evokes a pressor reflex in decerebrated rats. <i>Physiological Reports</i> , 2014, 2, e12036.	0.7	11
65	Role played by NaV 1.7 channels on thin-fiber muscle afferents in transmitting the exercise pressor reflex. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1301-R1308.	0.9	11
66	$\hat{\mu}$ -Opioid receptors inhibit the exercise pressor reflex by closing N-type calcium channels but not by opening GIRK channels in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R693-R699.	0.9	11
67	The magnitude of the exercise pressor reflex is influenced by the active skeletal muscle mass in the decerebrate rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R30-R37.	0.9	11
68	Functional knockout of ASIC3 attenuates the exercise pressor reflex in decerebrated rats with ligated femoral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1316-H1324.	1.5	11
69	Blockade of ATP-sensitive potassium channels prevents the attenuation of the exercise pressor reflex by tempol in rats with ligated femoral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H332-H340.	1.5	10
70	Effects of peripheral and spinal $\hat{\nu}$ -opioid receptor stimulation on the exercise pressor reflex in decerebrate rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R281-R289.	0.9	10
71	Stimulation of spinal $\hat{\nu}$ -opioid receptors attenuates the exercise pressor reflex in decerebrate rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R727-R734.	0.9	10
72	Intrathecal serotonin attenuates the pressor response to static contraction. <i>Brain Research</i> , 1991, 550, 157-160.	1.1	9

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73	Stimulation of the mesencephalic locomotor region constricts the airways of cats. <i>Respiration Physiology</i> , 1996, 106, 263-271.	2.8	9
74	Attenuation of autonomic reflexes by A803467 may not be solely caused by blockade of NaV 1.8 channels. <i>Neuroscience Letters</i> , 2013, 543, 177-182.	1.0	9
75	Effect of knockout of the ASIC3 on cardiovascular reflexes arising from hindlimb muscle in decerebrated rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R641-R648.	0.9	8
76	Atropine prevents the reflex tracheal relaxation arising from the stimulation of intestinal and skeletal muscle afferents in dogs. <i>Brain Research</i> , 1983, 270, 159-161.	1.1	7
77	Metaboreflex control of the heart. <i>Journal of Physiology</i> , 2010, 588, 1037-1038.	1.3	7
78	Low-frequency stimulation of group III and IV hind limb afferents evokes reflex pressor responses in decerebrate rats. <i>Physiological Reports</i> , 2016, 4, e13001.	0.7	7
79	Inorganic phosphate and lactate potentiate the pressor response to acidic stimuli in rats. <i>Experimental Physiology</i> , 2020, 105, 613-621.	0.9	6
80	Ischemia potentiates the reflex bronchodilation evoked by static muscular contraction in dogs. <i>Respiration Physiology</i> , 1990, 81, 51-61.	2.8	5
81	Cardiovascular and Respiratory Response to Static Exercise in the Newborn Kitten. <i>Pediatric Research</i> , 1991, 30, 95-99.	1.1	5
82	Mechanoreceptors and central command. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H117-H118.	1.5	5
83	ASIC1a does not play a role in evoking the metabolic component of the exercise pressor reflex in a rat model of peripheral artery disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H171-H182.	1.5	5
84	Intrathecal injection of brilliant blue G, a P2X7 antagonist, attenuates the exercise pressor reflex in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R223-R232.	0.9	4
85	Receptor Synergy From Thin Fiber Muscle Afferents. Focus on Dorsal Root Ganglion Neurons Innervating Skeletal Muscle Respond to Physiological Combinations of Protons, ATP, and Lactate Mediated by ASIC, P2X, and TRPV1. <i>Journal of Neurophysiology</i> , 2008, 100, 1169-1170.	0.9	3
86	Peripheral μ -opioid receptors attenuate the responses of group III and IV afferents to contraction in rats with simulated peripheral artery disease. <i>Journal of Neurophysiology</i> , 2018, 119, 2052-2058.	0.9	3
87	Has the phoenix risen?. <i>Journal of Physiology</i> , 2003, 548, 666-666.	1.3	3
88	Thin-fiber muscle afferents possessing TRPV1 receptors evoke the muscle metaboreflex. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R523-R524.	0.9	1
89	Cyclooxygenase products sensitize group III and IV muscle afferents to dynamic exercise. <i>FASEB Journal</i> , 2006, 20, A768.	0.2	1
90	Serotonin-Mediated Activation of Serotonin Receptor Type 1 Oppositely Modulates Voltage-Gated Calcium Channel Currents in Rat Sensory Neurons Innervating Hindlimb Muscle. <i>Molecular Pharmacology</i> , 2022, 101, 309-321.	1.0	1

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91	Skeletal Muscle Afferents. , 2004, , 109-113.		0
92	PPADS attenuates the responses of group III and IV afferents to contraction with circulatory occlusion. FASEB Journal, 2006, 20, LB36.	0.2	0
93	Gadolinium attenuates renal sympathetic activity in cats. FASEB Journal, 2006, 20, .	0.2	0
94	The P2X antagonist PPADS attenuates renal sympathetic nerve activity in response to static contraction and tendon stretch. FASEB Journal, 2007, 21, A567.	0.2	0
95	Acid sensing ion and epithelial sodium channels contribute to the metaboreceptor component of the exercise pressor reflex. FASEB Journal, 2009, 23, 787.2.	0.2	0
96	Chronic femoral artery occlusion augments exercise pressor reflex in decerebrated rats. FASEB Journal, 2009, 23, 787.5.	0.2	0
97	Do P2X2/3 and P2X3 receptors play a role in the exercise pressor reflex in cats?. FASEB Journal, 2010, 24, .	0.2	0
98	Blockade of acid sensing ion channels attenuates the augmented exercise pressor reflex in rats with chronic femoral artery occlusion. FASEB Journal, 2011, 25, 1056.10.	0.2	0
99	Thromboxane Contributes to the Exercise Pressor Reflex in Simulated Peripheral Artery Disease. FASEB Journal, 2011, 25, .	0.2	0
100	Peripheral Delta Opioid Receptors Attenuate the Exercise Pressor Reflex in Decerebrate Rats. FASEB Journal, 2012, 26, 1138.51.	0.2	0
101	Clibenclamide prevents the attenuation of the exercise pressor reflex by tempol in the ligated rats. FASEB Journal, 2012, 26, 1078.38.	0.2	0
102	Endoperoxide 4 receptors attenuate the exercise pressor reflex in rats with ligated femoral arteries. FASEB Journal, 2013, 27, 711.2.	0.2	0
103	The exercise pressor reflex in health and simulated peripheral artery disease. Japanese Journal of Physical Fitness and Sports Medicine, 2016, 65, 8-8.	0.0	0
104	Peripheral DAMGO Decreases Group III and IV Afferents' Responses to Contraction in Rats Whose Femoral Arteries are Occluded. FASEB Journal, 2018, 32, 725.7.	0.2	0
105	Î²-Opioid agonist, [Dâ€Pen2,5]enkephalin (DPDPE) attenuates the exercise pressor reflex in both freely perfused and ligated rats. FASEB Journal, 2019, 33, 540.2.	0.2	0
106	Capsazepine decrease the pressor response to stimuli other than transient receptor potential vanilloidâ€ agonists. FASEB Journal, 2019, 33, lb492.	0.2	0