Shaun F Morrison

List of Publications by Year
in descending order

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125	8,995	36303 51	43889 91
papers	citations	h-index	g-index

162	162	162	5892
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Central sympathetic network for thermoregulatory responses to psychological stress. Autonomic Neuroscience: Basic and Clinical, 2022, 237, 102918.	2.8	17
2	Thermoregulation in mice: The road to understanding torpor hypothermia and the shortcomings of a circuit for generating fever. Temperature, 2022, 9, 8-11.	3.0	2
3	Body Temperature Regulation. , 2021, , 692-695.		0
4	Activation of Transient Receptor Potential Vanilloid 1 Channels in the Nucleus of the Solitary Tract and Activation of Dynorphin Input to the Median Preoptic Nucleus Contribute to Impaired BAT Thermogenesis in Diet-Induced Obesity. ENeuro, 2021, 8, ENEURO.0048-21.2021.	1.9	9
5	Dopaminergic Input from the Posterior Hypothalamus to the Raphe Pallidus Area Inhibits Brown Adipose Tissue Thermogenesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R938-R950.	1.8	1
6	Systemic serotonin inhibits brown adipose tissue sympathetic nerve activity via a GABA input to the dorsomedial hypothalamus, not via 5HT_{1A} receptor activation in raphe pallidus. Acta Physiologica, 2020, 228, e13401.	3.8	13
7	Median preoptic area neurons are required for the cooling and febrile activations of brown adipose tissue thermogenesis in rat. Scientific Reports, 2020, 10, 18072.	3.3	24
8	Body Temperature Regulation. , 2020, , 1-4.		0
9	Central nervous system circuits that control body temperature. Neuroscience Letters, 2019, 696, 225-232.	2.1	99
10	Neurons in the rat ventral lateral preoptic area are essential for the warmâ€evoked inhibition of brown adipose tissue and shivering thermogenesis. Acta Physiologica, 2019, 225, e13213.	3.8	24
11	Dopaminergic Projections to Raphe Pallidus Inhibit Brown Adipose Tissue Thermogenesis. FASEB Journal, 2019, 33, 559.6.	0.5	0
12	Central Circuits Inhibiting Skeletal Muscle Shivering. FASEB Journal, 2019, 33, 559.2.	0.5	0
13	Systemic Administration of Serotonin Reduces the Excitability of the RaphÃ© Pallidusâ€Brown Adipose Tissue Sympathetic Nerve Pathway. FASEB Journal, 2019, 33, 559.3.	0.5	0
14	Efferent neural pathways for the control of brown adipose tissue thermogenesis and shivering. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 156, 281-303.	1.8	28
15	Glucagon-like peptide-1 regulates brown adipose tissue thermogenesis via the gut-brain axis in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R708-R720.	1.8	39
16	Activation of TRPV1 in nucleus tractus solitarius reduces brown adipose tissue thermogenesis, arterial pressure, and heart rate. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R134-R143.	1.8	18
17	Preoptic area cooling increases the sympathetic outflow to brown adipose tissue and brown adipose tissue thermogenesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R609-R618.	1.8	11
18	Neurons in the Ventral Lateral Preoptic (vLPO) Area Inhibit Brown Adipose Tissue (BAT) Thermogenesis. FASEB Journal, 2018, 32, 592.5.	0.5	0

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19	Ventral Lateral Preoptic (vLPO) Neurons Inhibit Brown Adipose Tissue Thermogenesis during Warming of the Preoptic Area. FASEB Journal, 2018, 32, 592.7.	0.5	0
20	Neural Circuitry Underlying Thermal Afferent Influences During Thermoregulatory Inversion. FASEB Journal, 2018, 32, 592.1.	0.5	1
21	Medullary Reticular Neurons Mediate Neuropeptide Y-Induced Metabolic Inhibition and Mastication. Cell Metabolism, 2017, 25, 322-334.	16.2	52
22	Glycinergic inhibition of BAT sympathetic premotor neurons in rostral raphe pallidus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R919-R926.	1.8	10
23	Thermoregulatory inversion: a novel thermoregulatory paradigm. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R779-R786.	1.8	34
24	Tonic inhibition of brown adipose tissue sympathetic nerve activity via muscarinic acetylcholine receptors in the rostral raphe pallidus. Journal of Physiology, 2017, 595, 7495-7508.	2.9	7
25	Reestablishment of Energy Balance in a Male Mouse Model With POMC Neuron Deletion of BMPR1A. Endocrinology, 2017, 158, 4233-4245.	2.8	12
26	Vagal afferent activation decreases brown adipose tissue (BAT) sympathetic nerve activity and BAT thermogenesis. Temperature, 2017, 4, 89-96.	3.0	38
27	Central control of body temperature. F1000Research, 2016, 5, 880.	1.6	151
28	A high-fat diet impairs cooling-evoked brown adipose tissue activation via a vagal afferent mechanism. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E287-E292.	3.5	30
29	Central neural control of thermoregulation and brown adipose tissue. Autonomic Neuroscience: Basic and Clinical, 2016, 196, 14-24.	2.8	156
30	Hibernation, Hypothermia and a Possible Therapeutic "Shifted Homeostasis" Induced by Central Activation of A1 Adenosine Receptor (A1AR). Japanese Journal of Psychopharmacology, 2016, 36, 51-4.	0.3	6
31	The thermostat concept â€“ significant for mechanical temperature control systems, but irrelevant to mammalian thermoregulatory networks. Temperature, 2015, 2, 332-333.	3.0	2
32	5-Hydroxytryptamine does not reduce sympathetic nerve activity or neuroeffector function in the splanchnic circulation. European Journal of Pharmacology, 2015, 754, 140-147.	3.5	8
33	Inhibitory Regulation of Skeletal Muscle Shivering. FASEB Journal, 2015, 29, 1057.3.	0.5	0
34	Autonomic regulation of brown adipose tissue thermogenesis in health and disease: potential clinical applications for altering BAT thermogenesis. Frontiers in Neuroscience, 2014, 8, 14.	2.8	74
35	Hypothermia, torpor and the fundamental importance of understanding the central control of thermoregulation. Temperature, 2014, 1, 89-91.	3.0	5
36	Central Nervous System Regulation of Brown Adipose Tissue. , 2014, 4, 1677-1713.		110

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37	Central Neural Regulation of Brown Adipose Tissue Thermogenesis and Energy Expenditure. Cell Metabolism, 2014, 19, 741-756.	16.2	352
38	Central Activation of the A1 Adenosine Receptor (A1AR) Induces a Hypothermic, Torpor-Like State in the Rat. Journal of Neuroscience, 2013, 33, 14512-14525.	3.6	128
39	Highlights in basic autonomic neurosciences: Central adenosine A1 receptor â€" The key to a hypometabolic state and therapeutic hypothermia?. Autonomic Neuroscience: Basic and Clinical, 2013, 176, 1-2.	2.8	15
40	Î±2 Adrenergic Receptor-Mediated Inhibition of Thermogenesis. Journal of Neuroscience, 2013, 33, 2017-2028.	3.6	86
41	Efferent projections of neuropeptide Yâ€expressing neurons of the dorsomedial hypothalamus in chronic hyperphagic models. Journal of Comparative Neurology, 2013, 521, 1891-1914.	1.6	45
42	Systemic leptin produces a long-lasting increase in respiratory motor output in rats. Frontiers in Physiology, 2013, 4, 16.	2.8	17
43	An orexinergic projection from perifornical hypothalamus to raphe pallidus increases rat brown adipose tissue thermogenesis. Adipocyte, 2012, 1, 116-120.	2.8	24
44	Orexin modulates brown adipose tissue thermogenesis. Biomolecular Concepts, 2012, 3, 381-386.	2.2	42
45	A Less Invasive Surgical Approach for Splanchnic Nerve Stimulation to Treat Obesity. Obesity Surgery, 2012, 22, 1783-1784.	2.1	2
46	Central Control of Brown Adipose Tissue Thermogenesis. Frontiers in Endocrinology, 2012, 3, .	3.5	147
47	Central Thermoregulation. , 2012, , 243-247.		1
48	Serotonin and Blood Pressure Regulation. Pharmacological Reviews, 2012, 64, 359-388.	16.0	306
49	Adenosine A1â€receptor agonist (CHA) produces a hypothermic state by reducing BAT thermogenesis. FASEB Journal, 2012, 26, .	0.5	2
50	Central effects evoked by prolineâ€rich decapeptide in rats: changes in cardiovascular parameters and neuronal câ€Fos. FASEB Journal, 2012, 26, .	0.5	0
51	Activity of preoptic area neurons supports thermal effector activation during fever. FASEB Journal, 2012, 26, 1083.3.	0.5	0
52	Central neural pathways for thermoregulation. Frontiers in Bioscience - Landmark, 2011, 16, 74.	3.0	495
53	Central efferent pathways for coldâ€defensive and febrile shivering. Journal of Physiology, 2011, 589, 3641-3658.	2.9	185
54	2010 Carl Ludwig Distinguished Lectureship of the APS Neural Control and Autonomic Regulation Section: Central neural pathways for thermoregulatory cold defense. Journal of Applied Physiology, 2011, 110, 1137-1149.	2.5	89

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55	An Orexinergic Projection from Perifornical Hypothalamus to Raphe Pallidus Increases Rat Brown Adipose Tissue Thermogenesis. Journal of Neuroscience, 2011, 31, 15944-15955.	3.6	199
56	Central Nervous System Regulation of Body Temperature. , 2011, , 324-344.		9
57	Respiratory modulation of brown adipose tissue sympathetic nerve activity during activation of dorsomedial hypothalamic neurons. FASEB Journal, 2011, 25, .	0.5	0
58	Inhibition of brown adipose tissue thermogenesis by neurons in the ventrolateral medulla and in the nucleus tractus solitarius. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R277-R290.	1.8	74
59	Endogenous activation of spinal 5-hydroxytryptamine (5-HT) receptors contributes to the thermoregulatory activation of brown adipose tissue. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R776-R783.	1.8	46
60	A thermosensory pathway mediating heat-defense responses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8848-8853.	7.1	203
61	The Transient Receptor Potential Vanilloid-1 Channel in Thermoregulation: A Thermosensor It Is Not. Pharmacological Reviews, 2009, 61, 228-261.	16.0	216
62	Different populations of prostaglandin EP3 receptor-expressing preoptic neurons project to two fever-mediating sympathoexcitatory brain regions. Neuroscience, 2009, 161, 614-620.	2.3	78
63	Central control of thermogenesis in mammals. Experimental Physiology, 2008, 93, 773-797.	2.0	343
64	Preoptic mechanism for coldâ€defensive responses to skin cooling. Journal of Physiology, 2008, 586, 2611-2620.	2.9	111
65	A thermosensory pathway that controls body temperature. Nature Neuroscience, 2008, 11, 62-71.	14.8	388
66	Brown adipose tissue sympathetic nerve activity is potentiated by activation of 5-hydroxytryptamine (5-HT)1A/5-HT7 receptors in the rat spinal cord. Neuropharmacology, 2008, 54, 487-496.	4.1	31
67	Central pathway for spontaneous and prostaglandin E₂-evoked cutaneous vasoconstriction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R343-R354.	1.8	81
68	Central efferent pathways mediating skin cooling-evoked sympathetic thermogenesis in brown adipose tissue. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R127-R136.	1.8	201
69	Thermogenesis activated by central melanocortin signaling is dependent on neurons in the rostral raphe pallidus (rRPa) area. Brain Research, 2007, 1179, 61-69.	2.2	42
70	Differentiated hemodynamic changes controlled by splanchnic nerve. Autonomic Neuroscience: Basic and Clinical, 2006, 126-127, 202-210.	2.8	7
71	Glutamate receptors in the raphe pallidus mediate brown adipose tissue thermogenesis evoked by activation of dorsomedial hypothalamic neurons. Neuropharmacology, 2006, 51, 426-437.	4.1	80
72	Corticotropin releasing factor increases in brown adipose tissue thermogenesis and heart rate through dorsomedial hypothalamus and medullary raphe pallidus. Neuroscience, 2006, 140, 711-721.	2.3	43

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73	Kappa Opioid Receptor (KOR) and GAD67 Immunoreactivity Are Found in off and neutral Cells in the Rostral Ventromedial Medulla. Journal of Neurophysiology, 2006, 96, 3465-3473.	1.8	58
74	Serotonin potentiates sympathetic responses evoked by spinal NMDA. Journal of Physiology, 2006, 577, 525-537.	2.9	77
75	Rostral ventromedial periaqueductal gray: A source of inhibition of the sympathetic outflow to brown adipose tissue. Brain Research, 2006, 1077, 99-107.	2.2	39
76	Direct pyrogenic input from prostaglandin EP3 receptorâ€expressing preoptic neurons to the dorsomedial hypothalamus. European Journal of Neuroscience, 2005, 22, 3137-3146.	2.6	149
77	Hypoxic activation of arterial chemoreceptors inhibits sympathetic outflow to brown adipose tissue in rats. Journal of Physiology, 2005, 566, 559-573.	2.9	92
78	Brown adipose tissue thermogenesis contributes to fentanyl-evoked hyperthermia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R723-R732.	1.8	38
79	Regulation of thermogenesis by the central melanocortin system. Peptides, 2005, 26, 1800-1813.	2.4	67
80	Activation of lateral hypothalamic neurons stimulates brown adipose tissue thermogenesis. Neuroscience, 2005, 135, 627-638.	2.3	77
81	Entrainment pattern between sympathetic and phrenic nerve activities in the Sprague-Dawley rat: hypoxia-evoked sympathetic activity during expiration. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R1121-R1128.	1.8	63
82	Dorsomedial hypothalamic and brainstem pathways controlling thermogenesis in brown adipose tissue. Journal of Thermal Biology, 2004, 29, 333-337.	2.5	18
83	Central Pathways Controlling Brown Adipose Tissue Thermogenesis. Physiology, 2004, 19, 67-74.	3.1	88
84	Medullary pathways mediating specific sympathetic responses to activation of dorsomedial hypothalamus. Neuroscience, 2004, 126, 229-240.	2.3	193
85	Activation of 5-HT1A receptors in raphe pallidus inhibits leptin-evoked increases in brown adipose tissue thermogenesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R832-R837.	1.8	80
86	Medullary Raphe Neurons in Autonomic Regulation. , 2004, , 245-264.		7
87	Glutamate transmission in the rostral ventrolateral medullary sympathetic premotor pathway. Cellular and Molecular Neurobiology, 2003, 23, 761-772.	3.3	33
88	Disinhibition of rostral raphe pallidus neurons increases cardiac sympathetic nerve activity and heart rate. Brain Research, 2003, 980, 1-10.	2.2	115
89	Anatomical substrates for the central control of sympathetic outflow to interscapular adipose tissue during cold exposure. Journal of Comparative Neurology, 2003, 460, 303-326.	1.6	276
90	Raphe pallidus neurons mediate prostaglandin E2-evoked increases in brown adipose tissue thermogenesis. Neuroscience, 2003, 121, 17-24.	2.3	86

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91	Excitatory amino acid receptor activation in the raphe pallidus area mediates prostaglandin-evoked thermogenesis. Neuroscience, 2003, 122, 5-15.	2.3	93
92	Inhibition of neurons in commissural nucleus of solitary tract reduces sympathetic nerve activity in SHR. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1679-H1684.	3.2	23
93	Differential chemoreceptor reflex responses of adrenal preganglionic neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R1825-R1832.	1.8	21
94	Differential control of sympathetic outflow. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R683-R698.	1.8	302
95	Experimental Biology 2000 Differential Control Of Sympathetic Outflow: A Window Into Central Mechanisms Mediating Patterned Autonomic Responses. Clinical and Experimental Pharmacology and Physiology, 2001, 28, 113-114.	1.9	4
96	Experimental Biology 2000 Symposium on Differential Control of Sympathetic Outflow DIFFERENTIAL REGULATION OF BROWN ADIPOSE AND SPLANCHNIC SYMPATHETIC OUTFLOWS IN RAT: ROLES OF RAPHE AND ROSTRAL VENTROLATERAL MEDULLA NEURONS. Clinical and Experimental Pharmacology and Physiology, 2001, 28, 138-143.	1.9	33
97	Differential Regulation of Sympathetic Outflows to Vasoconstrictor and Thermoregulatory Effectors. Annals of the New York Academy of Sciences, 2001, 940, 286-298.	3.8	44
98	Responses of adrenal sympathetic preganglionic neurons to stimulation of cardiopulmonary receptors. Brain Research, 2000, 887, 46-52.	2.2	22
99	Reduced Rearing Temperature Augments Responses in Sympathetic Outflow to Brown Adipose Tissue. Journal of Neuroscience, 2000, 20, 9264-9271.	3.6	66
100	Different adrenal sympathetic preganglionic neurons regulate epinephrine and norepinephrine secretion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R1763-R1775.	1.8	116
101	Sympathoexcitatory CVLM neurons mediate responses to caudal pressor area stimulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R364-R374.	1.8	42
102	RVLM and raphe differentially regulate sympathetic outflows to splanchnic and brown adipose tissue. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R962-R973.	1.8	128
103	GABA-mediated inhibition of raphe pallidus neurons regulates sympathetic outflow to brown adipose tissue. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R290-R297.	1.8	124
104	Adrenal epinephrine secretion is not regulated by sympathoinhibitory neurons in the caudal ventrolateral medulla. Brain Research, 1999, 827, 169-175.	2.2	21
105	Effect of ET A Receptor Antagonists on Cardiovascular Responses Induced by Centrally Administered Sarafotoxin 6b. Peptides, 1997, 18, 855-864.	2.4	21
106	Effect of centrally administered endothelin agonists on systemic and regional blood circulation in the rat: role of sympathetic nervous system. Neuropeptides, 1997, 31, 301-309.	2.2	25
107	Monosynaptic projections from the nucleus tractus solitarii to C1 adrenergic neurons in the rostral ventrolateral medulla: Comparison with input from the caudal ventrolateral medulla. , 1996, 373, 62-75.		134
108	Adrenergic modulation of a spinal sympathetic reflex in the rat. Journal of Pharmacology and Experimental Therapeutics, 1995, 273, 380-5.	2.5	4

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109	Pontine lesions produce apneusis in the rat. Brain Research, 1994, 652, 83-86.	2.2	46
110	The caudal ventrolateral medulla is a source of tonic sympathoinhibition. Brain Research, 1993, 621, 133-136.	2.2	70
111	Relationship of Met-enkephalin-like immunoreactivity to vagal afferents and motor dendrites in the nucleus of the solitary tract: a light and electron microscopic dual labeling study. Brain Research, 1991, 550, 298-312.	2.2	37
112	Rostral ventrolateral medulla: a source of the glutamatergic innervation of the sympathetic intermediolateral nucleus. Brain Research, 1991, 562, 126-135.	2.2	114
113	Unit responses evoked in the amygdala and striatum by electrical stimulation of the medial geniculate body. Journal of Neuroscience, 1990, 10, 1055-1061.	3.6	86
114	The C1 area of rostral ventrolateral medulla: A central site integrating autonomic responses to hemorrhage. Resuscitation, 1989, 18, 269-288.	3.0	10
115	Glutamate in the spinal sympathetic intermediolateral nucleus: localization by light and electron microscopy. Brain Research, 1989, 503, 5-15.	2.2	81
116	Chapter 3 Adrenergic neurons in the rostral ventrolateral medulla: ultrastructure and synaptic relations with other transmitter-identified neurons. Progress in Brain Research, 1989, 81, 29-47.	1.4	30
117	The CI Area of the Rostral Ventrolateral Medulla Oblongata. American Journal of Hypertension, 1989, 2, 363S-374S.	2.0	68
118	Chapter 11 A glutamate mechanism in the intermediolateral nucleus mediates sympathoexcitatory responses to stimulation of the rostral ventrolateral medulla. Progress in Brain Research, 1989, 81, 159-169.	1.4	72
119	Phenylethanolamine N-methyltransferase-containing terminals synapse directly on sympathetic preganglionic neurons in the rat. Brain Research, 1988, 448, 205-222.	2.2	160
120	Reticulospinal vasomotor neurons of the rat rostral ventrolateral medulla: relationship to sympathetic nerve activity and the C1 adrenergic cell group. Journal of Neuroscience, 1988, 8, 1286-1301.	3.6	242
121	Electrophysiological evidence for the modular organization of the reticular formation: sympathetic controlling circuits. Brain Research, 1987, 410, 106-110.	2.2	11
122	Axonal branching patterns and funicular trajectories of raphespinal sympathoinhibitory neurons. Journal of Neurophysiology, 1985, 53, 759-772.	1.8	70
123	Baroreceptor influences on cardiac-related sympathetic nerve activity. Brain Research, 1984, 301, 175-178.	2.2	10
124	Enhanced preganglionic sympathetic nerve responses in spontaneously hypertensive rats. Brain Research, 1984, 296, 152-155.	2.2	35
125	Short time scale interactions between brain stem neurons with sympathetic nerve-related activity. Brain Research, 1982, 250, 173-177.	2.2	3