

Susan M Barman

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4404255/susan-m-barman-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

766
citations

15
h-index

25
g-index

61
ext. papers

890
ext. citations

3.1
avg. IF

4.31
L-index

#	Paper	IF	Citations
59	Responses of neurons in the rostral ventrolateral medulla of conscious cats to anticipated and passive movements. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 318, R481-R492	3.2	2
58	Physiology without borders: report on physiology education workshops in India-IUPS Initiatives (2018-2019). <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020 , 44, 309-313	1.9	1
57	IUPS Physiology Education Workshop series in India: organizational mechanics, outcomes, and lessons. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020 , 44, 709-721	1.9	1
56	2019 Ludwig Lecture: Rhythms in sympathetic nerve activity are a key to understanding neural control of the cardiovascular system. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 318, R191-R205	3.2	10
55	Responses of Neurons in the Medullary Lateral Tegmental Field and Nucleus Tractus Solitarius to Vestibular Stimuli in Conscious Felines. <i>Frontiers in Neurology</i> , 2020 , 11, 620817	4.1	1
54	Response of Neurons in the Rostral Ventrolateral Medulla (RVLM) to Anticipated and Passive Movements. <i>FASEB Journal</i> , 2019 , 33, 562.3	0.9	
53	Renewed excitement for paraventricular neurons and sympathetic nerve activity. <i>Journal of Physiology</i> , 2018 , 596, 4551-4552	3.9	
52	Ensuring due process in the IACUC and animal welfare setting: considerations in developing noncompliance policies and procedures for institutional animal care and use committees and institutional officials. <i>FASEB Journal</i> , 2017 , 31, 4216-4225	0.9	12
51	Deciphering the Neural Control of Sympathetic Nerve Activity: Status Report and Directions for Future Research. <i>Frontiers in Neuroscience</i> , 2017 , 11, 730	5.1	26
50	What can we learn about neural control of the cardiovascular system by studying rhythms in sympathetic nerve activity?. <i>International Journal of Psychophysiology</i> , 2016 , 103, 69-78	2.9	8
49	Overview of the Anatomy, Physiology, and Pharmacology of the Autonomic Nervous System. <i>Comprehensive Physiology</i> , 2016 , 6, 1239-78	7.7	154
48	5-Hydroxytryptamine does not reduce sympathetic nerve activity or neuroeffector function in the splanchnic circulation. <i>European Journal of Pharmacology</i> , 2015 , 754, 140-7	5.3	7
47	Highlights in basic autonomic neurosciences: Is an increase in sympathetic nerve activity involved in the development and maintenance of hypertension?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2014 , 180, 1-4	2.4	6
46	Rhythmic activity of neurons in the rostral ventrolateral medulla of conscious cats: effect of removal of vestibular inputs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R937-46	3.2	16
45	Cardiac-related and other rhythmic activity of neurons in the rostral ventrolateral medulla (RVLM) of conscious cats: effects of vestibular lesions. <i>FASEB Journal</i> , 2011 , 25, 1027.4	0.9	
44	Responses of neurons in the rostral ventrolateral medulla (RVLM) to moderate-amplitude tilts: comparisons in conscious and decerebrate cats. <i>FASEB Journal</i> , 2011 , 25, 1027.5	0.9	
43	Rostral ventrolateral medullary but not medullary lateral tegmental field neurons mediate sympatho-sympathetic reflexes in cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 299, R1269-78	3.2	10

42	Activity of Neurons in the Rostral Ventrolateral Medulla (RVLM) of Conscious Cats. <i>FASEB Journal</i> , 2010 , 24, 625.3	0.9	
41	Rostral ventrolateral medullary (RVLM) but not medullary lateral tegmental field (LTF) neurons are in the pathway mediating sympathoexcitatory (SE) responses elicited by activation of cardiac and splanchnic sympathetic afferents. <i>FASEB Journal</i> , 2010 , 24, 808.5	0.9	
40	The posterior vermis of the cerebellum selectively inhibits 10-Hz sympathetic nerve discharge in anesthetized cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 297, R210-7	3.2	10
39	Hyped up about the hypothalamus. <i>Journal of Physiology</i> , 2009 , 587, 4129-30	3.9	1
38	Sympathetic nerve activity has more character than you may think. <i>Journal of Physiology</i> , 2009 , 587, 4767-8	3.8	2
37	A Selective Inhibitory Effect of the Posterior Cerebellar Vermis on 10-Hz Sympathetic Nerve Discharge. <i>FASEB Journal</i> , 2009 , 23, 609.6	0.9	
36	Role of serotonergic input to the ventrolateral medulla in expression of the 10-Hz sympathetic nerve rhythm. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R1435-44	3.2	7
35	Role of 5-hydroxytryptamine (5-HT ₂) receptors in the ventrolateral medulla (VLM) in the expression of the 10-Hz rhythm in sympathetic nerve discharge (SND). <i>FASEB Journal</i> , 2008 , 22, 1169.4	0.9	
34	Methods of analysis and physiological relevance of rhythms in sympathetic nerve discharge. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007 , 34, 350-5	3	21
33	Role of ventrolateral medulla in generating the 10-Hz rhythm in sympathetic nerve discharge. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R223-33	3.2	10
32	Role of GABA in generating the 10-Hz rhythm in sympathetic nerve discharge. <i>FASEB Journal</i> , 2007 , 21, A882	0.9	
31	Medullary lateral tegmental field neurons influence the timing and pattern of phrenic nerve activity in cats. <i>Journal of Applied Physiology</i> , 2006 , 101, 521-30	3.7	5
30	Fractal noises and motions in time series of presympathetic and sympathetic neural activities. <i>FASEB Journal</i> , 2006 , 20, A367	0.9	
29	Role of medullary excitatory amino acid receptors in mediating the 10-Hz rhythm in sympathetic nerve discharge of cats. <i>Brain Research</i> , 2005 , 1049, 249-53	3.7	12
28	Medullary lateral tegmental field: control of respiratory rate and vagal lung inflation afferent influences on sympathetic nerve discharge. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 288, R1396-410	3.2	8
27	Medullary lateral tegmental field mediates the cardiovascular but not respiratory component of the Bezold-Jarisch reflex in the cat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R1693-702	3.2	7
26	Fractal properties of human muscle sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1076-87	5.2	12
25	Role of the medullary lateral tegmental field in reflex-mediated sympathoexcitation in cats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004 , 286, R451-64	3.2	15

24	Fractal activity generated independently by medullary sympathetic premotor and preganglionic sympathetic neurons. <i>Journal of Neurophysiology</i> , 2003 , 90, 47-54	3.2	15
23	Basis for the cardiac-related rhythm in muscle sympathetic nerve activity of humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H584-97	5.2	9
22	Fractal properties of sympathetic nerve discharge. <i>Journal of Neurophysiology</i> , 2003 , 89, 833-40	3.2	31
21	Differential effects of an NMDA and a non-NMDA receptor antagonist on medullary lateral tegmental field neurons. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 282, R100-13	3.2	16
20	The role of the medullary lateral tegmental field in the generation and baroreceptor reflex control of sympathetic nerve discharge in the cat. <i>Annals of the New York Academy of Sciences</i> , 2001 , 940, 270-85 ^{6.5}		3
19	Sympathetic nerve and cardiovascular responses to chemical activation of the midbrain defense region. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001 , 280, R1704-12	3.2	7
18	Effects on sympathetic activity of 8-OHDPAT and clonidine in cat medullary lateral tegmental field. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H613-22	5.2	4
17	Medullary lateral tegmental field: an important source of basal sympathetic nerve discharge in the cat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 278, R995-R1004 ²⁶	3.2	17
16	Defenselike patterns of spinal sympathetic outflow involving the 10-Hz and cardiac-related rhythms. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 278, R1616-26	3.2	17
15	Modes of baroreceptor-sympathetic coordination. <i>Journal of Neurophysiology</i> , 2000 , 84, 1157-67	3.2	17
14	Differential pattern of spinal sympathetic outflow in response to stimulation of the caudal medullary raphe. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R210-21	3.2	4
13	"Rapid" rhythmic discharges of sympathetic nerves: sources, mechanisms of generation, and physiological relevance. <i>Journal of Biological Rhythms</i> , 2000 , 15, 365-79	3.2	55
12	Rostral dorsolateral pontine neurons with sympathetic nerve-related activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 276, H401-12	5.2	9
11	Medullary lateral tegmental field: an important synaptic relay in the baroreceptor reflex pathway of the cat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999 , 277, R1462-75	3.2	23
10	Differential patterns of spinal sympathetic outflow involving a 10-Hz rhythm. <i>Journal of Neurophysiology</i> , 1999 , 82, 841-54	3.2	30
9	Paradoxical sympathetic nerve response to baroreceptor reflex activation. <i>Brain Research</i> , 1998 , 780, 155-60	3.7	6
8	Classification of caudal ventrolateral pontine neurons with sympathetic nerve-related activity. <i>Journal of Neurophysiology</i> , 1998 , 80, 2433-45	3.2	11
7	Subgroups of rostral ventrolateral medullary and caudal medullary raphe neurons based on patterns of relationship to sympathetic nerve discharge and axonal projections. <i>Journal of Neurophysiology</i> , 1997 , 77, 65-75	3.2	59

6	Pontine neurons are elements of the network responsible for the 10-Hz rhythm in sympathetic nerve discharge. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997 , 273, H1909-19	5-2	6
5	Differential relationships among 10-Hz rhythmic discharges of sympathetic nerves with different targets depend on supraspinal rather than spinal mechanisms. <i>Brain Research</i> , 1995 , 670, 329-32	3-7	5
4	A 10-Hz rhythm reflects the organization of a brainstem network that specifically governs sympathetic nerve discharge. <i>Brain Research</i> , 1995 , 671, 345-50	3-7	26
3	The functional significance of the 10-Hz sympathetic rhythm: a hypothesis. <i>Clinical and Experimental Hypertension</i> , 1995 , 17, 181-95	2-2	11
2	Tonic sympathoinhibition in the baroreceptor denervated cat. <i>Experimental Biology and Medicine</i> , 1978 , 157, 648-55	3-7	11
1	Responses of Neurons in the Medullary Lateral Tegmental Field and Nucleus Tractus Solitarius to Vestibular Stimuli in Conscious Felines		1