

# Susan M Barman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4404255/publications.pdf>

Version: 2024-02-01

59  
papers

987  
citations

566801

15  
h-index

610482

24  
g-index

61  
all docs

61  
docs citations

61  
times ranked

814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the Anatomy, Physiology, and Pharmacology of the Autonomic Nervous System. , 2016, 6, 1239-1278.		275
2	“Rapid” Rhythmic Discharges of Sympathetic Nerves: Sources, Mechanisms of Generation, and Physiological Relevance. Journal of Biological Rhythms, 2000, 15, 365-379.	1.4	61
3	Subgroups of Rostral Ventrolateral Medullary and Caudal Medullary Raphe Neurons Based on Patterns of Relationship to Sympathetic Nerve Discharge and Axonal Projections. Journal of Neurophysiology, 1997, 77, 65-75.	0.9	60
4	Deciphering the Neural Control of Sympathetic Nerve Activity: Status Report and Directions for Future Research. Frontiers in Neuroscience, 2017, 11, 730.	1.4	35
5	Fractal Properties of Sympathetic Nerve Discharge. Journal of Neurophysiology, 2003, 89, 833-840.	0.9	34
6	Medullary lateral tegmental field: an important source of basal sympathetic nerve discharge in the cat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R995-R1004.	0.9	32
7	Differential Patterns of Spinal Sympathetic Outflow Involving a 10-Hz Rhythm. Journal of Neurophysiology, 1999, 82, 841-854.	0.9	31
8	A 10-Hz rhythm reflects the organization of a brainstem network that specifically governs sympathetic nerve discharge. Brain Research, 1995, 671, 345-350.	1.1	30
9	Medullary lateral tegmental field: an important synaptic relay in the baroreceptor reflex pathway of the cat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R1462-R1475.	0.9	26
10	METHODS OF ANALYSIS AND PHYSIOLOGICAL RELEVANCE OF RHYTHMS IN SYMPATHETIC NERVE DISCHARGE. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 350-355.	0.9	24
11	Defenselike patterns of spinal sympathetic outflow involving the 10-Hz and cardiac-related rhythms. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R1616-R1626.	0.9	20
12	Modes of Baroreceptor-Sympathetic Coordination. Journal of Neurophysiology, 2000, 84, 1157-1167.	0.9	19
13	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. FASEB Journal, 2017, 31, 4216-4225.	0.2	19
14	2019 Ludwig Lecture: Rhythms in sympathetic nerve activity are a key to understanding neural control of the cardiovascular system. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R191-R205.	0.9	19
15	Fractal Activity Generated Independently by Medullary Sympathetic Premotor and Preganglionic Sympathetic Neurons. Journal of Neurophysiology, 2003, 90, 47-54.	0.9	18
16	Rhythmic activity of neurons in the rostral ventrolateral medulla of conscious cats: effect of removal of vestibular inputs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R937-R946.	0.9	18
17	The Functional Significance of the 10-hz Sympathetic Rhythm: A Hypothesis. Clinical and Experimental Hypertension, 1995, 17, 181-195.	0.5	16
18	Differential effects of an NMDA and a non-NMDA receptor antagonist on medullary lateral tegmental field neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R100-R113.	0.9	16

#	ARTICLE	IF	CITATIONS
19	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-R464.	0.9	16
20	Tonic Sympathoinhibition in the Baroreceptor Denerated Cat. <i>Experimental Biology and Medicine</i> , 1978, 157, 648-655.	1.1	15
21	Fractal properties of human muscle sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1076-H1087.	1.5	13
22	Classification of Caudal Ventrolateral Pontine Neurons With Sympathetic Nerve-Related Activity. <i>Journal of Neurophysiology</i> , 1998, 80, 2433-2445.	0.9	12
23	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, 249-253.	1.1	12
24	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-R217.	0.9	12
25	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-R233.	0.9	11
26	Rostral dorsolateral pontine neurons with sympathetic nerve-related activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 276, H401-H412.	1.5	10
27	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-R1410.	0.9	10
28	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-R1278.	0.9	10
29	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.	0.5	10
30	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-H597.	1.5	9
31	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-R1702.	0.9	9
32	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-R1712.	0.9	8
33	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-R1444.	0.9	8
34	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.	1.4	8
35	5-Hydroxytryptamine does not reduce sympathetic nerve activity or neuroeffector function in the splanchnic circulation. <i>European Journal of Pharmacology</i> , 2015, 754, 140-147.	1.7	8
36	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-H1919.	1.5	7

#	ARTICLE	IF	CITATIONS
37	Paradoxical sympathetic nerve response to baroreceptor reflex activation. <i>Brain Research</i> , 1998, 780, 155-160.	1.1	6
38	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.	1.1	6
39	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, 329-332.	1.1	5
40	Medullary lateral tegmental field neurons influence the timing and pattern of phrenic nerve activity in cats. <i>Journal of Applied Physiology</i> , 2006, 101, 521-530.	1.2	5
41	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.	0.9	5
42	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-R221.	0.9	4
43	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-H622.	1.5	4
44	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, 270-285.	1.8	3
45	Sympathetic nerve activity has more character than you may think. <i>Journal of Physiology</i> , 2009, 587, 4767-4768.	1.3	2
46	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.	0.8	2
47	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.	0.8	2
48	Hyped up about the hypothalamus. <i>Journal of Physiology</i> , 2009, 587, 4129-4130.	1.3	1
49	Renewed excitement for paraventricular neurons and sympathetic nerve activity. <i>Journal of Physiology</i> , 2018, 596, 4551-4552.	1.3	0
50	Fractal noises and motions in time series of presympathetic and sympathetic neural activities. <i>FASEB Journal</i> , 2006, 20, A367.	0.2	0
51	Role of GABA in generating the 10-Hz rhythm in sympathetic nerve discharge. <i>FASEB Journal</i> , 2007, 21, A882.	0.2	0
52	Role of 5-hydroxytryptamine (5-HT <sub>2</sub> ) 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.	0.2	0
53	A Selective Inhibitory Effect of the Posterior Cerebellar Vermis on 10-Hz Sympathetic Nerve Discharge. <i>FASEB Journal</i> , 2009, 23, 609.6.	0.2	0
54	Activity of Neurons in the Rostral Ventrolateral Medulla (RVLM) of Conscious Cats. <i>FASEB Journal</i> , 2010, 24, 625.3.	0.2	0

#	ARTICLE	IF	CITATIONS
55	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. FASEB Journal, 2010, 24, 808.5.	0.2	0
56	Cardiac-related and other rhythmic activity of neurons in the rostral ventrolateral medulla (RVLM) of conscious cats: effects of vestibular lesions. FASEB Journal, 2011, 25, 1027.4.	0.2	0
57	Responses of neurons in the rostral ventrolateral medulla (RVLM) to moderate-amplitude tilts: comparisons in conscious and decerebrate cats. FASEB Journal, 2011, 25, 1027.5.	0.2	0
58	Response of Neurons in the Rostral Ventrolateral Medulla (RVLM) to Anticipated and Passive Movements. FASEB Journal, 2019, 33, 562.3.	0.2	0
59	Fractal Fluctuations in Breath Number, Period, and Amplitude are Independently Controlled in Awake, Healthy Humans. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0