Michael C Andresen

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Untangling Peripheral Sympathetic Neurocircuits. Frontiers in Cardiovascular Medicine, 2022, 9, 842656.	1.1	4
2	Evidence for Cholinergic Collateral Projections between Sympathetic Neurons in the Murine Stellate Ganglia. FASEB Journal, 2022, 36, .	0.2	0
3	Dedicated C-fiber vagal sensory afferent pathways to the paraventricular nucleus of the hypothalamus. Brain Research, 2021, 1769, 147625.	1.1	11
4	Vagus nerve stimulation activates nucleus of solitary tract neurons via supramedullary pathways. Journal of Physiology, 2021, 599, 5261-5279.	1.3	15
5	Distinct Calcium Sources Define Compartmentalized Synaptic Signaling Domains. Neuroscientist, 2019, 25, 408-419.	2.6	1
6	Missing pieces of the Piezo1/Piezo2 baroreceptor hypothesis: an autonomic perspective. Journal of Neurophysiology, 2019, 122, 1207-1212.	0.9	25
7	5-HT3Râ€"sourced calcium enhances glutamate release from a distinct vesicle pool. Brain Research, 2019, 1721, 146346.	1.1	3
8	Understanding diverse TRPV1 signaling â€" an update. F1000Research, 2019, 8, 1978.	0.8	8
9	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.	0.9	18
10	Cervical vagus nerve stimulation augments spontaneous discharge in second- and higher-order sensory neurons in the rat nucleus of the solitary tract. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H354-H367.	1.5	21
11	Dedicated Câ€fibre viscerosensory pathways to central nucleus of the amygdala. Journal of Physiology, 2017, 595, 901-917.	1.3	14
12	Dynasore blocks evoked release while augmenting spontaneous synaptic transmission from primary visceral afferents. PLoS ONE, 2017, 12, e0174915.	1.1	2
13	Distinct Calcium Sources Support Multiple Modes of Synaptic Release from Cranial Sensory Afferents. Journal of Neuroscience, 2016, 36, 8957-8966.	1.7	23
14	Vanilloids selectively sensitize thermal glutamate release from TRPV1 expressing solitary tract afferents. Neuropharmacology, 2016, 101, 401-411.	2.0	17
15	Localization of TRPV1 and P2X3 in unmyelinated and myelinated vagal afferents in the rat. Journal of Chemical Neuroanatomy, 2016, 72, 1-7.	1.0	31
16	Temperature Differentially Facilitates Spontaneous but Not Evoked Glutamate Release from Cranial Visceral Primary Afferents. PLoS ONE, 2015, 10, e0127764.	1.1	9
17	External QX-314 inhibits evoked cranial primary afferent synaptic transmission independent of TRPV1. Journal of Neurophysiology, 2014, 112, 2697-2706.	0.9	14
18	Physiological temperatures drive glutamate release onto trigeminal superficial dorsal horn neurons. Journal of Neurophysiology, 2014, 111, 2222-2231.	0.9	12

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19	Cannabinoid 1 and Transient Receptor Potential Vanilloid 1 Receptors Discretely Modulate Evoked Glutamate Separately from Spontaneous Glutamate Transmission. Journal of Neuroscience, 2014, 34, 8324-8332.	1.7	54
20	Independent transmission of convergent visceral primary afferents in the solitary tract nucleus. Journal of Neurophysiology, 2013, 109, 507-517.	0.9	20
21	Lack of interaction of coâ€existing TRPV1 and CB1 receptors indicates differential control of separate basal and synchronous glutamate release mechanisms in the solitary tract nucleus. FASEB Journal, 2013, 27, 1118.17.	0.2	0
22	Calcium regulation of spontaneous and asynchronous neurotransmitter release. Cell Calcium, 2012, 52, 226-233.	1.1	41
23	The unsilent majorityâ€"TRPV1 drives â€œspontaneousâ€•transmission of unmyelinated primary afferents within cardiorespiratory NTS. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R1207-R1216.	0.9	37
24	Lowâ€fidelity GABA transmission within a dense excitatory network of the solitary tract nucleus. Journal of Physiology, 2012, 590, 5677-5689.	1.3	14
25	Opioids inhibit visceral afferent activation of catecholamine neurons in the solitary tract nucleus. Neuroscience, 2012, 222, 181-190.	1.1	13
26	Peptide and Lipid Modulation of Glutamatergic Afferent Synaptic Transmission in the Solitary Tract Nucleus. Frontiers in Neuroscience, 2012, 6, 191.	1.4	21
27	Prolonged TRPV1 activation increases frequency and amplitudes of glutamatergic events in NTS neurons. FASEB Journal, 2012, 26, 701.6.	0.2	0
28	GABA_B-mediated inhibition of multiple modes of glutamate release in the nucleus of the solitary tract. Journal of Neurophysiology, 2011, 106, 1833-1840.	0.9	25
29	Heterosynaptic crosstalk: GABA-glutamate metabotropic receptors interactively control glutamate release in solitary tract nucleus. Neuroscience, 2011, 174, 1-9.	1.1	21
30	GABAB restrains release from singly-evoked GABA terminals. Neuroscience, 2011, 193, 54-62.	1.1	5
31	TRPV1 Marks Synaptic Segregation of Multiple Convergent Afferents at the Rat Medial Solitary Tract Nucleus. PLoS ONE, 2011, 6, e25015.	1.1	45
32	The Nucleus of the Solitary Tract: Processing Information from Viscerosensory Afferents. , 2011, , 23-46.		26
33	Optical tracking of phenotypically diverse individual synapses on solitary tract nucleus neurons. Brain Research, 2010, 1312, 54-66.	1.1	14
34	Thermally Active TRPV1 Tonically Drives Central Spontaneous Glutamate Release. Journal of Neuroscience, 2010, 30, 14470-14475.	1.7	96
35	TRPV1, Hypertension, and Cardiovascular Regulation. Cell Metabolism, 2010, 12, 421.	7.2	5
36	Primary Afferent Activation of Thermosensitive TRPV1 Triggers Asynchronous Glutamate Release at Central Neurons. Neuron, 2010, 65, 657-669.	3.8	161

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37	Focal synaptic recruitment to second order solitary tract nucleus neurons with minimal electrical shocks. FASEB Journal, 2010, 24, 810.5.	0.2	0
38	Dietâ€induced obesity differentially affects baroreflexâ€mediated sympathetic and parasympathetic outflow. FASEB Journal, 2010, 24, 1049.5.	0.2	0
39	GABA B receptors depress glutamate release at Câ€fiber afferent synapses in the nucleus of the solitary tract (NTS). FASEB Journal, 2010, 24, 624.4.	0.2	0
40	Presynaptic actions of propofol enhance inhibitory synaptic transmission in isolated solitary tract nucleus neurons. Brain Research, 2009, 1286, 75-83.	1.1	27
41	Convergence of Cranial Visceral Afferents within the Solitary Tract Nucleus. Journal of Neuroscience, 2009, 29, 12886-12895.	1.7	40
42	Sustained hypertension increases the density of AMPA receptor subunit, GluR1, in baroreceptive regions of the nucleus tractus solitarii of the rat. Brain Research, 2008, 1187, 125-136.	1.1	18
43	Propofol enhances both tonic and phasic inhibitory currents in second-order neurons of the solitary tract nucleus (NTS). Neuropharmacology, 2008, 54, 552-563.	2.0	53
44	Oxytocin Enhances Cranial Visceral Afferent Synaptic Transmission to the Solitary Tract Nucleus. Journal of Neuroscience, 2008, 28, 11731-11740.	1.7	118
45	Comparison of baroreceptive to other afferent synaptic transmission to the medial solitary tract nucleus. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2032-H2042.	1.5	43
46	Organization and Properties of GABAergic Neurons in Solitary Tract Nucleus (NTS). Journal of Neurophysiology, 2008, 99, 1712-1722.	0.9	87
47	Paired Assessment of Volatile Anesthetic Concentrations with Synaptic Actions Recorded In Vitro. PLoS ONE, 2008, 3, e3372.	1.1	13
48	Isoflurane Differentially Modulates Inhibitory and Excitatory Synaptic Transmission to the Solitary Tract Nucleus. Anesthesiology, 2008, 108, 675-683.	1.3	21
49	Oxytocin enhances glutamatergic afferent transmission and produces an inward current in second order medial solitary tract neurons. FASEB Journal, 2008, 22, 1171.8.	0.2	0
50	Visceral Afferents Directly Activate Catecholamine Neurons in the Solitary Tract Nucleus. Journal of Neuroscience, 2007, 27, 13292-13302.	1.7	109
51	A-type potassium channels differentially tune afferent pathways from rat solitary tract nucleus to caudal ventrolateral medulla or paraventricular hypothalamus. Journal of Physiology, 2007, 582, 613-628.	1.3	39
52	Cellular Heterogeneity Within the Solitary Tract Nucleus and Visceral Afferent Processingâ€"Electrophysiological Approaches to Discerning Pathway Performance. Tzu Chi Medical Journal, 2007, 19, 181-185.	0.4	5
53	TRPV1 in Central Cardiovascular Control. , 2007, , 93-109.		0
54	Vasopressin Inhibits Glutamate Release via Two Distinct Modes in the Brainstem. Journal of Neuroscience, 2006, 26, 6131-6142.	1.7	98

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55	Capsaicin- resistant arterial baroreceptors. Journal of Negative Results in BioMedicine, 2006, 5, 6.	1.4	16
56	Cranial Visceral Afferent Pathways through the Nucleus of the Solitary Tract to Caudal Ventrolateral Medulla or Paraventricular Hypothalamus: Target-Specific Synaptic Reliability and Convergence Patterns. Journal of Neuroscience, 2006, 26, 11893-11902.	1.7	126
57	Ketamine Inhibits Inspiratory-evoked Î³-Aminobutyric Acid and Glycine Neurotransmission to Cardiac Vagal Neurons in the Nucleus Ambiguus. Anesthesiology, 2005, 103, 353-359.	1.3	8
58	Proopiomelanocortin Neurons in Nucleus Tractus Solitarius Are Activated by Visceral Afferents: Regulation by Cholecystokinin and Opioids. Journal of Neuroscience, 2005, 25, 3578-3585.	1.7	160
59	Respiratory sinus arrhythmia in freely moving and anesthetized rats. Journal of Applied Physiology, 2004, 97, 1431-1436.	1.2	47
60	Differential Distribution and Function of Hyperpolarization-Activated Channels in Sensory Neurons and Mechanosensitive Fibers. Journal of Neuroscience, 2004, 24, 3335-3343.	1.7	114
61	Purinergic and Vanilloid Receptor Activation Releases Glutamate from Separate Cranial Afferent Terminals in Nucleus Tractus Solitarius. Journal of Neuroscience, 2004, 24, 4709-4717.	1.7	161
62	Cranial Afferent Glutamate Heterosynaptically Modulates GABA Release onto Second-Order Neurons via Distinctly Segregated Metabotropic Glutamate Receptors. Journal of Neuroscience, 2004, 24, 9332-9340.	1.7	56
63	Strategies for cellular identification in nucleus tractus solitarius slices. Journal of Neuroscience Methods, 2004, 137, 37-48.	1.3	57
64	Propofol Modulates Î³-Aminobutyric Acidâ€"mediated Inhibitory Neurotransmission to Cardiac Vagal Neurons in the Nucleus Ambiguus. Anesthesiology, 2004, 100, 1198-1205.	1.3	33
65	Cardiovascular Integration in the Nucleus of the Solitary Tract. , 2004, , 59-80.		7
66	Ketamine Differentially Blocks Sensory Afferent Synaptic Transmission in Medial Nucleus Tractus Solitarius (mNTS). Anesthesiology, 2003, 98, 121-132.	1.3	34
67	Angiotensin potentiates excitatory sensory synaptic transmission to medial solitary tract nucleus neurons. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R1340-R1353.	0.9	45
68	Isoflurane Depresses Baroreflex Control of Heart Rate in Decerebrate Rats. Anesthesiology, 2002, 96, 1214-1222.	1.3	39
69	Ketamine Inhibits Sodium Currents in Identified Cardiac Parasympathetic Neurons in Nucleus Ambiguus. Anesthesiology, 2002, 96, 659-666.	1.3	33
70	Pentobarbital Enhances GABAergic Neurotransmission to Cardiac Parasympathetic Neurons, Which Is Prevented by Expression of GABAAÎµ Subunit. Anesthesiology, 2002, 97, 717-724.	1.3	35
71	Ketamine Inhibits Presynaptic and Postsynaptic Nicotinic Excitation of Identified Cardiac Parasympathetic Neurons in Nucleus Ambiguus. Anesthesiology, 2002, 96, 667-674.	1.3	24
72	Vanilloid Receptors Presynaptically Modulate Cranial Visceral Afferent Synaptic Transmission in Nucleus Tractus Solitarius. Journal of Neuroscience, 2002, 22, 8222-8229.	1.7	127

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73	Vanilloid-Sensitive Afferents Activate Neurons with Prominent A-Type Potassium Currents in Nucleus Tractus Solitarius. Journal of Neuroscience, 2002, 22, 8230-8237.	1.7	58
74	Reliability of Monosynaptic Sensory Transmission in Brain Stem Neurons In Vitro. Journal of Neurophysiology, 2001, 85, 2213-2223.	0.9	215
75	Cellular Mechanisms of Baroreceptor Integration at the Nucleus Tractus Solitarius. Annals of the New York Academy of Sciences, 2001, 940, 132-141.	1.8	51
76	Graded and dynamic reflex summation of myelinated and unmyelinated rat aortic baroreceptors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R748-R756.	0.9	52
77	Differential frequency-dependent reflex integration of myelinated and nonmyelinated rat aortic baroreceptors. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H632-H640.	1.5	67
78	Sensory Afferent Neurotransmission in Caudal Nucleus Tractus Solitariusâ€"Common Denominators. Chemical Senses, 1996, 21, 387-395.	1.1	48
79	Contribution of potassium channels to the discharge properties of rat aortic baroreceptor sensory endings. Brain Research, 1994, 665, 115-122.	1.1	5
80	Nucleus Tractus Solitariusâ€"Gateway to Neural Circulatory Control. Annual Review of Physiology, 1994, 56, 93-116.	5.6	404
81	Clinically Relevant Concentrations of Bupivacaine Inhibit Rat Aortic Baroreceptors. Anesthesia and Analgesia, 1994, 78, 501???506.	1.1	10
82	Localization and retention in vitro of fluorescently labeled aortic baroreceptor terminals on neurons from the nucleus tractus solitarius. Brain Research, 1992, 581, 339-343.	1.1	96
83	ARTERIAL BARORECEPTOR RESETTING: CONTRIBUTIONS OF CHRONIC AND ACUTE PROCESSES. Clinical and Experimental Pharmacology and Physiology, 1989, 16, 19-30.	0.9	76
84	Cellular basis of the photoresponse of an extraretinal photoreceptor. Experientia, 1982, 38, 1001-1006.	1.2	6
85	Simulation of a photosensitive Aplysia neuron. Annals of Biomedical Engineering, 1981, 9, 227-241.	1.3	0