

Eileen M Hasser

List of Publications by Year in descending order

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44
papers

1,039
citations

361296

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h-index

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docs citations

45
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	Endogenous Brain-Derived Neurotrophic Factor in the Nucleus Tractus Solitarius Tonicly Regulates Synaptic and Autonomic Function. <i>Journal of Neuroscience</i> , 2011, 31, 12318-12329.	1.7	67
2	Hypoxia activates nucleus tractus solitarii neurons projecting to the paraventricular nucleus of the hypothalamus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R1219-R1232.	0.9	67
3	Hindlimb unweighting decreases ecNOS gene expression and endothelium-dependent dilation in rat soleus feed arteries. <i>Journal of Applied Physiology</i> , 1999, 87, 1476-1482.	1.2	60
4	Area Postrema And Sympathetic Nervous System Effects Of Vasopressin And Angiotensin II. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000, 27, 432-436.	0.9	55
5	Hindlimb unweighting decreases endothelium-dependent dilation and eNOS expression in soleus not gastrocnemius. <i>Journal of Applied Physiology</i> , 2001, 91, 1091-1098.	1.2	54
6	Regulation of Sympathetic Nervous System Function after Cardiovascular Deconditioning. <i>Annals of the New York Academy of Sciences</i> , 2001, 940, 454-468.	1.8	49
7	Putative role of the NTS in alterations in neural control of the circulation following exercise training in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R383-R392.	0.9	49
8	Increased GABA _A inhibition of the RVLM after hindlimb unloading in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 283, R604-R614.	0.9	42
9	Regulation of arterial pressure by the paraventricular nucleus in conscious rats: interactions among glutamate, GABA, and nitric oxide. <i>Frontiers in Physiology</i> , 2012, 3, 490.	1.3	39
10	Depressed GABA and glutamate synaptic signaling by 5-HT _{1A} receptors in the nucleus tractus solitarii and their role in cardiorespiratory function. <i>Journal of Neurophysiology</i> , 2014, 111, 2493-2504.	0.9	38
11	Glutamate in the nucleus of the solitary tract activates both ionotropic and metabotropic glutamate receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R1858-R1866.	0.9	37
12	Hindlimb unloading and female gender attenuate baroreflex-mediated sympathoexcitation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1440-R1447.	0.9	35
13	Acute hypoxia activates neuroendocrine, but not presympathetic, neurons in the paraventricular nucleus of the hypothalamus: differential role of nitric oxide. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R982-R995.	0.9	34
14	Catecholaminergic neurons projecting to the paraventricular nucleus of the hypothalamus are essential for cardiorespiratory adjustments to hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R721-R731.	0.9	29
15	Acute systemic hypoxia activates hypothalamic paraventricular nucleus-projecting catecholaminergic neurons in the caudal ventrolateral medulla. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R1112-R1123.	0.9	28
16	Glial EAAT2 regulation of extracellular nTS glutamate critically controls neuronal activity and cardiorespiratory reflexes. <i>Journal of Physiology</i> , 2017, 595, 6045-6063.	1.3	27
17	Hypoxia activates a neuropeptidergic pathway from the paraventricular nucleus of the hypothalamus to the nucleus tractus solitarii. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1167-R1182.	0.9	27
18	Expression of Group I metabotropic glutamate receptors on phenotypically different cells within the nucleus of the solitary tract in the rat. <i>Neuroscience</i> , 2009, 159, 701-716.	1.1	24

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19	Cardiovascular response to group I metabotropic glutamate receptor activation in NTS. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 276, R1469-R1478.	0.9	21
20	Excitatory amino acid transporters tonically restrain nTS synaptic and neuronal activity to modulate cardiorespiratory function. <i>Journal of Neurophysiology</i> , 2016, 115, 1691-1702.	0.9	21
21	Hindlimb unloading alters nitric oxide and autonomic control of resting arterial pressure in conscious rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R140-R147.	0.9	18
22	The PVN enhances cardiorespiratory responses to acute hypoxia via input to the nTS. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R818-R833.	0.9	17
23	Increased nitric oxide synthase activity and expression in the hypothalamus of hindlimb unloaded rats. <i>Brain Research</i> , 2006, 1115, 65-74.	1.1	16
24	Enhanced sympathoinhibitory response to volume expansion in conscious hindlimb-unloaded rats. <i>Journal of Applied Physiology</i> , 2003, 94, 1806-1812.	1.2	14
25	Regulation of plasma vasopressin and renin activity in conscious hindlimb-unloaded rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R46-R52.	0.9	13
26	Cardiovascular response to a group III mGluR agonist in NTS requires NMDA receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R198-R208.	0.9	12
27	Sustained Hypoxia Alters nTS Glutamatergic Signaling and Expression and Function of Excitatory Amino Acid Transporters. <i>Neuroscience</i> , 2020, 430, 131-140.	1.1	10
28	Loss of excitatory amino acid transporter restraint following chronic intermittent hypoxia contributes to synaptic alterations in nucleus tractus solitarii. <i>Journal of Neurophysiology</i> , 2020, 123, 2122-2135.	0.9	9
29	Relaxin increases sympathetic nerve activity and activates spinally projecting neurons in the paraventricular nucleus of nonpregnant, but not pregnant, rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1553-R1568.	0.9	8
30	Astrocytic glutamate transporters reduce the neuronal and physiological influence of metabotropic glutamate receptors in nucleus tractus solitarii. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R545-R564.	0.9	8
31	Unilateral vagotomy alters astrocyte and microglial morphology in the nucleus tractus solitarii of the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R945-R959.	0.9	7
32	Mechanisms Underlying Neuroplasticity in the Nucleus Tractus Solitarii Following Hindlimb Unloading in Rats. <i>Neuroscience</i> , 2020, 449, 214-227.	1.1	7
33	Orexin facilitates the ventilatory and behavioral responses of rats to hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 322, R581-R596.	0.9	5
34	Gamma-Aminobutyric Acid Transporters in the Nucleus Tractus Solitarii Regulate Inhibitory and Excitatory Synaptic Currents That Influence Cardiorespiratory Function. <i>Frontiers in Physiology</i> , 2021, 12, 821110.	1.3	4
35	Cardiovascular deconditioning increases GABA signaling in the nucleus tractus solitarii. <i>Journal of Neurophysiology</i> , 2022, 128, 28-39.	0.9	3
36	Thrombin action on astrocytes in the hindbrain of the rat disrupts glycemic and respiratory control. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R1068-R1077.	0.9	2

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37	Astrocytes and Microglia in the Brainstem Nucleus Tractus Solitarii React to Unilateral Vagotomy. FASEB Journal, 2021, 35, .	0.2	0
38	Brain Derived Neurotrophic Factor (BDNF) blunts neural activity in the nucleus tractus solitarius (nTS). FASEB Journal, 2009, 23, 1011.5.	0.2	0
39	Acute hypoxia (AH) augments Fos expression in hypothalamic paraventricular nucleus (PVN)â€projecting neurons in the caudal ventrolateral medulla (CVLM). FASEB Journal, 2011, 25, 1077.21.	0.2	0
40	Activation of the nucleus of the solitary tract (nTS) due to chemoreflex stimulation with acute hypoxia (AH) is independent of hypoxiaâ€induced changes in arterial blood pressure (ABP). FASEB Journal, 2011, 25, 1076.14.	0.2	0
41	Increase in renal sympathetic nerve activity and hypertension in rats with chronic femoral artery occlusion. FASEB Journal, 2013, 27, 689.1.	0.2	0
42	Functional evidence for increased nitric oxide involvement in cardiovascular and autonomic modulation by the PVN in conscious HU rats. FASEB Journal, 2013, 27, lb837.	0.2	0
43	Catecholaminergic neurons projecting to the paraventricular nucleus (PVN) of the hypothalamus are essential for adjustments to respiratory challenges. FASEB Journal, 2013, 27, 697.20.	0.2	0
44	Ionotropic and Metabotropic Glutamate Receptors Contribute to Cardiorespiratory Responses to Inhibition of Astrocytic Excitatory Amino Acid Transporters. FASEB Journal, 2019, 33, 742.10.	0.2	0