

Robert B Felder

List of Publications by Citations

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

81
papers

2,990
citations

33
h-index

54
g-index

84
ext. papers

3,260
ext. citations

4.6
avg, IF

5.02
L-index

#	Paper	IF	Citations
81	Neuroendocrine and cytokine profile of chronic mild stress-induced anhedonia. <i>Physiology and Behavior</i> , 2005 , 84, 697-706	3.5	179
80	Novel effect of mineralocorticoid receptor antagonism to reduce proinflammatory cytokines and hypothalamic activation in rats with ischemia-induced heart failure. <i>Circulation Research</i> , 2006 , 99, 758-66	15.7	130
79	Central mineralocorticoid receptor blockade improves volume regulation and reduces sympathetic drive in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H2241-51	5.2	118
78	Cardiovascular and renal sympathetic activation by blood-borne TNF-alpha in rat: the role of central prostaglandins. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 284, R916-27	3.2	115
77	Acute myocardial infarction induces hypothalamic cytokine synthesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H2264-71	5.2	113
76	Heart failure and the brain: new perspectives. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 284, R259-76	3.2	104
75	The renin-angiotensin-aldosterone system excites hypothalamic paraventricular nucleus neurons in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H423-33	5.2	97
74	Aldosterone acts centrally to increase brain renin-angiotensin system activity and oxidative stress in normal rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1067-74	5.2	96
73	Does aldosterone upregulate the brain renin-angiotensin system in rats with heart failure?. <i>Hypertension</i> , 2008 , 51, 727-33	8.5	95
72	Inhibition of brain proinflammatory cytokine synthesis reduces hypothalamic excitation in rats with ischemia-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H227-36	5.2	90
71	Angiotensin II upregulates hypothalamic AT1 receptor expression in rats via the mitogen-activated protein kinase pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1425-33	5.2	85
70	Brain perivascular macrophages and the sympathetic response to inflammation in rats after myocardial infarction. <i>Hypertension</i> , 2010 , 55, 652-9	8.5	83
69	Neural regulation of the proinflammatory cytokine response to acute myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H791-7	5.2	75
68	Proinflammatory cytokines upregulate sympathoexcitatory mechanisms in the subfornical organ of the rat. <i>Hypertension</i> , 2015 , 65, 1126-33	8.5	73
67	Increased susceptibility to ventricular arrhythmias in a rodent model of experimental depression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H619-26	5.2	69
66	Subfornical organ mediates sympathetic and hemodynamic responses to blood-borne proinflammatory cytokines. <i>Hypertension</i> , 2013 , 62, 118-25	8.5	64
65	Mineralocorticoid receptors, inflammation and sympathetic drive in a rat model of systolic heart failure. <i>Experimental Physiology</i> , 2010 , 95, 19-25	2.4	63

64	11beta-hydroxysteroid dehydrogenase type 2 activity in hypothalamic paraventricular nucleus modulates sympathetic excitation. <i>Hypertension</i> , 2006 , 48, 127-33	8.5	63
63	Leptin Mediates High-Fat Diet Sensitization of Angiotensin II-Elicited Hypertension by Upregulating the Brain Renin-Angiotensin System and Inflammation. <i>Hypertension</i> , 2016 , 67, 970-6	8.5	63
62	Brain angiotensin-converting enzyme activity and autonomic regulation in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H2138-46	5.2	60
61	Central Renin-Angiotensin System Activation and Inflammation Induced by High-Fat Diet Sensitize Angiotensin II-Elicited Hypertension. <i>Hypertension</i> , 2016 , 67, 163-70	8.5	57
60	Central gene transfer of interleukin-10 reduces hypothalamic inflammation and evidence of heart failure in rats after myocardial infarction. <i>Circulation Research</i> , 2007 , 101, 304-12	15.7	54
59	Central mineralocorticoid receptor blockade decreases plasma TNF-alpha after coronary artery ligation in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 284, R328-35	3.2	51
58	Centrally administered lipopolysaccharide elicits sympathetic excitation via NAD(P)H oxidase-dependent mitogen-activated protein kinase signaling. <i>Journal of Hypertension</i> , 2010 , 28, 806-16 ^{1.9}	1.9	49
57	Excitatory amino acid receptors intrinsic to synaptic transmission in nucleus tractus solitarii. <i>Brain Research</i> , 1988 , 456, 333-43	3.7	49
56	Angiotensin II-triggered p44/42 mitogen-activated protein kinase mediates sympathetic excitation in heart failure rats. <i>Hypertension</i> , 2008 , 52, 342-50	8.5	48
55	Mitogen-activated protein kinases mediate upregulation of hypothalamic angiotensin II type 1 receptors in heart failure rats. <i>Hypertension</i> , 2008 , 52, 679-86	8.5	48
54	Cytokine mediation of experimental heart failure-induced anhedonia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 284, R666-73	3.2	47
53	Activation of central PPAR- δ attenuates angiotensin II-induced hypertension. <i>Hypertension</i> , 2015 , 66, 403-11	8.5	36
52	Pharmacological treatment for heart failure: a view from the brain. <i>Clinical Pharmacology and Therapeutics</i> , 2009 , 86, 216-20	6.1	35
51	Endoplasmic reticulum stress increases brain MAPK signaling, inflammation and renin-angiotensin system activity and sympathetic nerve activity in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H871-H880	5.2	34
50	Symbolic analysis detects alterations of cardiac autonomic modulation in congestive heart failure rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2009 , 150, 21-6	2.4	34
49	ERK1/2 MAPK signaling in hypothalamic paraventricular nucleus contributes to sympathetic excitation in rats with heart failure after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H732-9	5.2	34
48	Increased cyclooxygenase-2 expression in hypothalamic paraventricular nucleus in rats with heart failure: role of nuclear factor kappaB. <i>Hypertension</i> , 2007 , 49, 511-8	8.5	33
47	Mineralocorticoids act centrally to regulate blood-borne tumor necrosis factor-alpha in normal rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 285, R1402-9	3.2	33

46	Peroxisome proliferator-activated receptor- β regulates inflammation and renin-angiotensin system activity in the hypothalamic paraventricular nucleus and ameliorates peripheral manifestations of heart failure. <i>Hypertension</i> , 2012 , 59, 477-84	8.5	32
45	EP β receptors mediate PGE β induced hypothalamic paraventricular nucleus excitation and sympathetic activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H1559-69	5.2	30
44	Forebrain renin-angiotensin system has a tonic excitatory influence on renal sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H890-5	5.2	30
43	Differential regulation of EHD3 in human and mammalian heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 1183-90	5.8	29
42	Central actions of the chemokine stromal cell-derived factor 1 contribute to neurohumoral excitation in heart failure rats. <i>Hypertension</i> , 2012 , 59, 991-8	8.5	29
41	Melanocortin receptors mediate the excitatory effects of blood-borne murine leptin on hypothalamic paraventricular neurons in rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004 , 286, R303-10	3.2	29
40	Neurohumoral regulation in ischemia-induced heart failure. Role of the forebrain. <i>Annals of the New York Academy of Sciences</i> , 2001 , 940, 444-53	6.5	28
39	Inhibition of Brain Mitogen-Activated Protein Kinase Signaling Reduces Central Endoplasmic Reticulum Stress and Inflammation and Sympathetic Nerve Activity in Heart Failure Rats. <i>Hypertension</i> , 2016 , 67, 229-36	8.5	27
38	Early interference with p44/42 mitogen-activated protein kinase signaling in hypothalamic paraventricular nucleus attenuates angiotensin II-induced hypertension. <i>Hypertension</i> , 2013 , 61, 842-9	8.5	27
37	Angiotensin II Type 1a Receptors in the Subfornical Organ Modulate Neuroinflammation in the Hypothalamic Paraventricular Nucleus in Heart Failure Rats. <i>Neuroscience</i> , 2018 , 381, 46-58	3.9	23
36	TNF- α receptor 1 knockdown in the subfornical organ ameliorates sympathetic excitation and cardiac hemodynamics in heart failure rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H744-H756	5.2	23
35	Forebrain-mediated adaptations to myocardial infarction in the rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H1898-906	5.2	22
34	Alpha 2-adrenergic modulation of synaptic excitability in the rat nucleus tractus solitarius. <i>Brain Research</i> , 1989 , 480, 190-7	3.7	22
33	Central SDF-1/CXCL12 expression and its cardiovascular and sympathetic effects: the role of angiotensin II, TNF- α and MAP kinase signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H1643-54	5.2	21
32	Aldosterone-induced brain MAPK signaling and sympathetic excitation are angiotensin II type-1 receptor dependent. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H742-51	5.2	19
31	Blood-borne interleukin-1 β acts on the subfornical organ to upregulate the sympathoexcitatory milieu of the hypothalamic paraventricular nucleus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R447-R458	3.2	17
30	Autonomic cardiovascular modulation. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2009 , 28, 79-85		17
29	Systemically administered tempol reduces neuronal activity in paraventricular nucleus of hypothalamus and rostral ventrolateral medulla in rats. <i>Journal of Hypertension</i> , 2009 , 27, 543-50	1.9	16

28	Brain TACE (Tumor Necrosis Factor- α -Converting Enzyme) Contributes to Sympathetic Excitation in Heart Failure Rats. <i>Hypertension</i> , 2019 , 74, 63-72	8.5	12
27	Arterial chemoreflex in conscious normotensive and hypertensive adult rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 276, H1215-22	5.2	12
26	Stress-Induced Sensitization of Angiotensin II Hypertension Is Reversed by Blockade of Angiotensin-Converting Enzyme or Tumor Necrosis Factor- α <i>American Journal of Hypertension</i> , 2019 , 32, 909-917	2.3	10
25	Sex differences in the central and peripheral manifestations of ischemia-induced heart failure in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 316, H70-H79	5.2	10
24	Altered expression of delayed excitation in medial NTS neurons of spontaneously hypertensive rats. <i>Neuroscience Letters</i> , 1997 , 225, 205-9	3.3	9
23	An injectable microparticle formulation for the sustained release of the specific MEK inhibitor PD98059: in vitro evaluation and pharmacokinetics. <i>Drug Delivery and Translational Research</i> , 2021 , 11, 182-191	6.2	4
22	TNF- α -Induced sympathetic excitation requires EGFR and ERK1/2 signaling in cardiovascular regulatory regions of the forebrain. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H772-H786	5.2	3
21	Maternal Angiotensin II-Induced Hypertension Sensitizes Postweaning High-Fat Diet-Elicited Hypertensive Response Through Increased Brain Reactivity in Rat Offspring. <i>Journal of the American Heart Association</i> , 2021 , 10, e022170	6	3
20	Predator Scent-Induced Sensitization of Hypertension and Anxiety-like Behaviors. <i>Cellular and Molecular Neurobiology</i> , 2020 , 1	4.6	2
19	Silencing Epidermal Growth Factor Receptor in Hypothalamic Paraventricular Nucleus Reduces Extracellular Signal-regulated Kinase 1 and 2 Signaling and Sympathetic Excitation in Heart Failure Rats. <i>Neuroscience</i> , 2021 , 463, 227-237	3.9	2
18	Abstract 415: Brain Epidermal Growth Factor Receptor and c-Src Tyrosine Kinase Contribute to Sympathetic Excitation Induced by Systemically Administered Aldosterone in Rats. <i>Hypertension</i> , 2012 , 60,	8.5	1
17	Transforming Growth Factor- β Acts via Epidermal Growth Factor Receptor to Increase p44/42 Mitogen-Activated Protein Kinase Signaling and Expression of Excitatory Mediators in the Hypothalamic Paraventricular Nucleus in Rats. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	1
16	Aldosterone induces sympatho-excitation via brain mitogen-activated protein kinase signaling pathways in rat. <i>FASEB Journal</i> , 2009 , 23, 610.3	0.9	1
15	Brain p44/42 mitogen-activated protein kinase contributes to the sympathetic response to blood-borne TNF- α in rats. <i>FASEB Journal</i> , 2010 , 24, 1050.4	0.9	1
14	An Injectable Microparticle Formulation Provides Long-Term Inhibition of Hypothalamic ERK1/2 Activity and Sympathetic Excitation in Rats with Heart Failure. <i>Molecular Pharmaceutics</i> , 2020 , 17, 3643-3648	5.6	1
13	Transforming Growth Factor- β Acts in Hypothalamic Paraventricular Nucleus to Upregulate ERK1/2 Signaling and Expression of Sympathoexcitatory Mediators in Heart Failure Rats.. <i>Neuroscience</i> , 2021 , 483, 13-13	3.9	0
12	Valsartan ameliorates hypothalamic indicators of inflammation and stress in Lewis and Fischer rats with ischemia-induced heart failure. <i>FASEB Journal</i> , 2006 , 20, A1203	0.9	
11	Assessment of blood pressure variability by means of spectral and symbolic analysis in normal and congestive heart failure rats. <i>FASEB Journal</i> , 2006 , 20, A1204	0.9	

- 10 Central mineralocorticoid receptor antagonism improves autonomic neural control in heart failure rats. *FASEB Journal*, **2007**, 21, A1267 0.9
- 9 Interleukin-10 Suppresses Sympatho-Excitatory Responses to Central LPS in Rats. *FASEB Journal*, **2007**, 21, A884 0.9
- 8 Sex Differences in the Central and Peripheral Manifestations of Heart Failure in Rats. *FASEB Journal*, **2018**, 32, 593.2 0.9
- 7 Sex Differences in Expression of Methionine Sulfoxide Reductase A in Hypothalamic Paraventricular Nucleus in Rats with Heart Failure after Myocardial Infarction. *FASEB Journal*, **2019**, 33, 564.2 0.9
- 6 Tumor Necrosis Factor- α Receptor 1 (TNFR1) Knockdown in Subfornical Organ (SFO) Reduces Sympathetic and Hemodynamic Responses to Blood-Borne TNF- α *FASEB Journal*, **2015**, 29, 987.6 0.9
- 5 Central inflammation induced by high fat diet sensitizes angiotensin II hypertension. *FASEB Journal*, **2015**, 29, 986.3 0.9
- 4 p38 MAPK mediates upregulation of cyclooxygenase-2 in hypothalamic paraventricular nucleus in rats with heart failure. *FASEB Journal*, **2009**, 23, 792.9 0.9
- 3 Silencing of brain p44/42 mitogen-activated protein kinase ameliorates aldosterone-induced sympathetic excitation in rats. *FASEB Journal*, **2010**, 24, 1050.3 0.9
- 2 Early Interference with p44/42 Mitogen-Activated Protein Kinase (MAPK) Signaling in Hypothalamic Paraventricular Nucleus (PVN) Attenuates Angiotensin II-Induced Hypertension in Rats. *FASEB Journal*, **2012**, 26, lb694 0.9
- 1 Brain Endoplasmic Reticulum (ER) Stress Mediates Lipopolysaccharide-Induced Central Inflammation and Sympathetic and Cardiovascular Excitation. *FASEB Journal*, **2013**, 27, 697.7 0.9