Julian F R Paton

List of Publications by Year
in descending order

293	11,048	23567 58	39675 94
papers	citations	h-index	g-index

295	295	295	7883
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The sympathetic nervous system exacerbates carotid body sensitivity in hypertension. Cardiovascular Research, 2023, 119, 316-331.	3.8	14
2	Intra-carotid body inter-cellular communication. Journal of the Royal Society of New Zealand, 2023, 53, 332-361.	1.9	0
3	Sympathetic-transduction in untreated hypertension. Journal of Human Hypertension, 2022, 36, 24-31.	2.2	14
4	Mathematical modelling of atrial and ventricular pressureâ€“volume dynamics and their change with heart rate. Mathematical Biosciences, 2022, 344, 108766.	1.9	2
5	New understanding of circulatory blood flow and arterial blood pressure mechanisms. Cardiovascular Research, 2022, 118, e29-e31.	3.8	4
6	Reverse re-modelling chronic heart failure by reinstating heart rate variability. Basic Research in Cardiology, 2022, 117, 4.	5.9	23
7	Patterns of cardio-respiratory motor outputs during acute and subacute exposure to chlorpyrifos in an ex-vivo in situ preparation in rats. Toxicology and Applied Pharmacology, 2022, 436, 115862.	2.8	5
8	GLP1R Attenuates Sympathetic Response to High Glucose via Carotid Body Inhibition. Circulation Research, 2022, 130, 694-707.	4.5	33
9	Effects of hypoxia and hyperoxia on venous capacity and compliance in healthy men and women. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 322, R445-R453.	1.8	1
10	Cerebrovascular Variants and the Role of the Selfish Brain in Young-Onset Hypertension. Hypertension, 2022, 79, 1265-1274.	2.7	2
11	Cardiorespiratory responses to muscle metaboreflex activation in fibrosing interstitial lung disease. Experimental Physiology, 2022, 107, 527-540.	2.0	2
12	Sudden cardiac deaths have higher proportion of left stellate ganglionitis. Forensic Science, Medicine, and Pathology, 2022, 18, 156-164.	1.4	4
13	Advancing respiratoryâ€“cardiovascular physiology with the working heartâ€“brainstem preparation over 25 years. Journal of Physiology, 2022, 600, 2049-2075.	2.9	22
14	Aortic Body Chemoreceptors Regulate Coronary Blood Flow in Conscious Control and Hypertensive Sheep. Hypertension, 2022, 79, 1275-1285.	2.7	3
15	Lowerâ€limb venous function in hypoxia and hyperoxia: effect of healthy ageing. FASEB Journal, 2022, 36, .	0.5	0
16	Cerebrovascular Carbon Dioxide Reactivity with Hyperoxia and Hypoxia in Humans with Treated Hypertension. FASEB Journal, 2022, 36, .	0.5	0
17	Sex differences in the sympathetic neurocirculatory responses to chemoreflex activation. Journal of Physiology, 2022, , .	2.9	15
18	Examination of the periaqueductal gray as a site for controlling arterial pressure in the conscious spontaneously hypertensive rat. Autonomic Neuroscience: Basic and Clinical, 2022, 240, 102984.	2.8	2

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19	Peripheral chemoreflex activation induces expiratory but not inspiratory excitation of <scp>C1</scp> preâ€sympathetic neurones of rats. Acta Physiologica, 2022, 235, .	3.8	2
20	Autonomic innervation of the carotid body as a determinant of its sensitivity: implications for cardiovascular physiology and pathology. Cardiovascular Research, 2021, 117, 1015-1032.	3.8	23
21	Oxygenation pattern and compensatory responses to hypoxia and hypercapnia following bilateral carotid body resection in humans. Journal of Physiology, 2021, 599, 2323-2340.	2.9	17
22	Heartbeats entrain breathing via baroreceptorâ€mediated modulation of expiratory activity. Experimental Physiology, 2021, 106, 1181-1195.	2.0	9
23	Sympathetic Modulation By Glucagon Like Peptide 1 And Melanocortin 4 Receptors In The Carotid Body Of Wistar Rats. FASEB Journal, 2021, 35, .	0.5	1
24	Heightened respiratoryâ€parasympathetic coupling to airways in the spontaneously hypertensive rat. Journal of Physiology, 2021, 599, 3237-3252.	2.9	3
25	Circumventricular Organ Apelin Receptor Knockdown Decreases Blood Pressure and Sympathetic Drive Responses in the Spontaneously Hypertensive Rat. Frontiers in Physiology, 2021, 12, 711041.	2.8	1
26	The inevitability of ATP as a transmitter in the carotid body. Autonomic Neuroscience: Basic and Clinical, 2021, 234, 102815.	2.8	12
27	Intrinsic and synaptic mechanisms controlling the expiratory activity of excitatory lateral parafacial neurones of rats. Journal of Physiology, 2021, 599, 4925-4948.	2.9	16
28	Editorial: Hypoxia and Cardiorespiratory Control. Frontiers in Physiology, 2021, 12, 820815.	2.8	2
29	A6 neurons simultaneously modulate active expiration and upper airway resistance in rats. Experimental Physiology, 2020, 105, 53-64.	2.0	2
30	Astrocytes monitor cerebral perfusion and control systemic circulation to maintain brain blood flow. Nature Communications, 2020, 11, 131.	12.8	137
31	Enhancing respiratory sinus arrhythmia increases cardiac output in rats with left ventricular dysfunction. Journal of Physiology, 2020, 598, 455-471.	2.9	15
32	Efficacy of Electrical Baroreflex Activation Is Independent of Peripheral Chemoreceptor Modulation. Hypertension, 2020, 75, 257-264.	2.7	16
33	Active expiratory oscillator regulates nasofacial and oral motor activities in rats. Experimental Physiology, 2020, 105, 379-392.	2.0	6
34	Investigation and Treatment of High Blood Pressure in Young People. Hypertension, 2020, 75, 16-22.	2.7	69
35	Role of the Carotid Body in an Ovine Model of Renovascular Hypertension. Hypertension, 2020, 76, 1451-1460.	2.7	7
36	Nitric oxide is fundamental to neurovascular coupling in humans. Journal of Physiology, 2020, 598, 4927-4939.	2.9	51

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37	Gravitational effects on intracranial pressure and blood flow regulation in young men: a potential shunting role for the external carotid artery. Journal of Applied Physiology, 2020, 129, 901-908.	2.5	8
38	Zibotentan, an Endothelin A Receptor Antagonist, Prevents Amyloid-Î²-Induced Hypertension and Maintains Cerebral Perfusion. Journal of Alzheimer's Disease, 2020, 73, 1185-1199.	2.6	8
39	Retrograde blood flow in the internal jugular veins of humans with hypertension may have implications for cerebral arterial blood flow. European Radiology, 2020, 30, 3890-3899.	4.5	8
40	Clarity of the rhythmic brainstem. Journal of Physiology, 2020, 598, 2045-2046.	2.9	4
41	Therapeutic Relevance of Elevated Blood Pressure After Ischemic Stroke in the Hypertensive Rats. Hypertension, 2020, 75, 740-747.	2.7	5
42	Increased apelin receptor gene expression in the subfornical organ of spontaneously hypertensive rats. PLoS ONE, 2020, 15, e0231844.	2.5	6
43	Formal Modeling and Verification of Rate Adaptive Pacemakers for Heart Failure. , 2020, , .		1
44	Neurovascular coupling is not influenced by lower body negative pressure in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H22-H31.	3.2	3
45	A consensus statement on the use of angiotensin receptor blockers and angiotensin converting enzyme inhibitors in relation to COVID-19 (corona virus disease 2019). New Zealand Medical Journal, 2020, 133, 85-87.	0.5	14
46	Denervated or Not? That Remains the Question for Renal Denervation. Hypertension, 2019, 74, 493-494.	2.7	0
47	Heart failure developed after myocardial infarction does not affect gut microbiota composition in the rat. American Journal of Physiology - Renal Physiology, 2019, 317, G342-G348.	3.4	7
48	Centrally acting adrenomedullin in the longâ€term potentiation of sympathetic vasoconstrictor activity induced by intermittent hypoxia in rats. Experimental Physiology, 2019, 104, 1371-1383.	2.0	5
49	Cerebral Blood Flow Response to Simulated Hypovolemia in Essential Hypertension. Hypertension, 2019, 74, 1391-1398.	2.7	13
50	The Logic of Carotid Body Connectivity to the Brain. Physiology, 2019, 34, 264-282.	3.1	71
51	Shift of leading pacemaker site during reflex vagal stimulation and altered electrical sourceâ€toâ€sink balance. Journal of Physiology, 2019, 597, 3297-3313.	2.9	9
52	On the presence and functional significance of sympathetic premotor neurons with collateralized spinal axons in the rat. Journal of Physiology, 2019, 597, 3407-3423.	2.9	28
53	Repaired coarctation of the aorta, persistent arterial hypertension and the selfish brain. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 68.	3.3	11
54	Optimal solid state neurons. Nature Communications, 2019, 10, 5309.	12.8	47

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55	Left ventricular extracellular volume fraction and atrioventricular interaction in hypertension. European Radiology, 2019, 29, 1574-1585.	4.5	7
56	Inflammatory pathways are central to posterior cerebrovascular artery remodelling prior to the onset of congenital hypertension. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1803-1817.	4.3	9
57	Noctural dipping status and left ventricular hypertrophy: A cardiac magnetic resonance imaging study. Journal of Clinical Hypertension, 2018, 20, 784-793.	2.0	14
58	Hypothalamic paraventricular nucleus neuronal nitric oxide synthase activity is a major determinant of renal sympathetic discharge in conscious Wistar rats. Experimental Physiology, 2018, 103, 419-428.	2.0	11
59	Variable role of carotid bodies in cardiovascular responses to exercise, hypoxia and hypercapnia in spontaneously hypertensive rats. Journal of Physiology, 2018, 596, 3201-3216.	2.9	24
60	The KÃ¶lliker-Fuse nucleus orchestrates the timing of expiratory abdominal nerve bursting. Journal of Neurophysiology, 2018, 119, 401-412.	1.8	38
61	Cerebral AÎ²40 and systemic hypertension. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1993-2005.	4.3	9
62	Blockade of Rostral Ventrolateral Medulla Apelin Receptors Does Not Attenuate Arterial Pressure in SHR and L-NAME-Induced Hypertensive Rats. Frontiers in Physiology, 2018, 9, 1488.	2.8	5
63	Locus Coeruleus as a vigilance centre for active inspiration and expiration in rats. Scientific Reports, 2018, 8, 15654.	3.3	27
64	Purinergic plasticity within petrosal neurons in hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R963-R971.	1.8	15
65	Acute hydrocortisone administration reduces cardiovagal baroreflex sensitivity and heart rate variability in young men. Journal of Physiology, 2018, 596, 4847-4861.	2.9	17
66	Antihypertensive Treatment Fails to Control Blood Pressure During Exercise. Hypertension, 2018, 72, 102-109.	2.7	38
67	Differences in autonomic innervation to the vertebrobasilar arteries in spontaneously hypertensive and Wistar rats. Journal of Physiology, 2018, 596, 3505-3529.	2.9	8
68	The Efficacy of Electrical Baroreflex Activation Therapy is Independent of Peripheral Chemoreceptor Modulation. FASEB Journal, 2018, 32, 884.6.	0.5	0
69	Hypertensive heart disease versus hypertrophic cardiomyopathy: multi-parametric cardiovascular magnetic resonance discriminators when end-diastolic wall thickness â‰¥ 15 mm. European Radiology, 2017, 27, 1125-1135.	4.5	44
70	Intracranial mechanisms for preserving brain blood flow in health and disease. Acta Physiologica, 2017, 219, 274-287.	3.8	65
71	Vasopressin V1a receptors mediate the hypertensive effects of [Pyr¹]apelinâ€13 in the rat rostral ventrolateral medulla. Journal of Physiology, 2017, 595, 3303-3318.	2.9	18
72	Cardiac magnetic resonance imaging provides new insight into hypertensive heart diseaseâ€”a reply. Journal of Clinical Hypertension, 2017, 19, 335-336.	2.0	0

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73	Targeting autonomic imbalance in pathophysiology: is the carotid body the new nirvana?. Journal of Physiology, 2017, 595, 29-30.	2.9	4
74	Reply from Michael J. Tipton, Joseph T. Costello and Julian F. R. Paton. Journal of Physiology, 2017, 595, 6365-6365.	2.9	0
75	Role of ventral medullary catecholaminergic neurons for respiratory modulation of sympathetic outflow in rats. Scientific Reports, 2017, 7, 16883.	3.3	15
76	The human ventilatory response to stress: rate or depth?. Journal of Physiology, 2017, 595, 5729-5752.	2.9	141
77	Increased sympathetic nerve activity and reduced cardiac baroreflex sensitivity in rheumatoid arthritis. Journal of Physiology, 2017, 595, 967-981.	2.9	52
78	Carotid body resection for sympathetic modulation in systolic heart failure: results from firstâ€inâ€man study. European Journal of Heart Failure, 2017, 19, 391-400.	7.1	97
79	Electrocardiographic detection of hypertensive left atrial enlargement in the presence of obesity: re-calibration against cardiac magnetic resonance. Journal of Human Hypertension, 2017, 31, 212-219.	2.2	7
80	ECG strain pattern in hypertension is associated with myocardial cellular expansion and diffuse interstitial fibrosis: a multi-parametric cardiac magnetic resonance study. European Heart Journal Cardiovascular Imaging, 2017, 18, 441-450.	1.2	34
81	Cooperative Oxygen Sensing by the Kidney and Carotid Body in Blood Pressure Control. Frontiers in Physiology, 2017, 8, 752.	2.8	14
82	Utility of a Novel Biofeedback Device for Within-Breath Modulation of Heart Rate in Rats: A Quantitative Comparison of Vagus Nerve vs. Right Atrial Pacing. Frontiers in Physiology, 2016, 7, 27.	2.8	7
83	Sympathetic overactivity occurs before hypertension in the twoâ€kidney, oneâ€clip model. Experimental Physiology, 2016, 101, 67-80.	2.0	43
84	Comprehensive characterisation of hypertensive heart disease left ventricular phenotypes. Heart, 2016, 102, 1671-1679.	2.9	84
85	Deficiency of GABAergic synaptic inhibition in the KÃ¶llikerâ€“Fuse area underlies respiratory dysrhythmia in a mouse model of Rett syndrome. Journal of Physiology, 2016, 594, 223-237.	2.9	51
86	Hypertension: a problem of organ blood flow supplyâ€“demand mismatch. Future Cardiology, 2016, 12, 339-349.	1.2	21
87	Purinergic receptors in the carotid body as a new drug target for controlling hypertension. Nature Medicine, 2016, 22, 1151-1159.	30.7	149
88	Is High Blood Pressure Self-Protection for the Brain?. Circulation Research, 2016, 119, e140-e151.	4.5	66
89	Brainstem sources of cardiac vagal tone and respiratory sinus arrhythmia. Journal of Physiology, 2016, 594, 7249-7265.	2.9	79
90	Unilateral Carotid Body Resection inÂResistant Hypertension. JACC Basic To Translational Science, 2016, 1, 313-324.	4.1	118

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91	Carotid sinus denervation ameliorates renovascular hypertension in adult Wistar rats. Journal of Physiology, 2016, 594, 6255-6266.	2.9	41
92	Epigenetic Control of the Vasopressin Promoter Explains Physiological Ability to Regulate Vasopressin Transcription in Dehydration and Salt Loading States in the Rat. Journal of Neuroendocrinology, 2016, 28, .	2.6	8
93	Autonomic and neuroendocrine dysfunction in chronic disease. Journal of Physiology, 2016, 594, 1579-1580.	2.9	0
94	Parasympathetic innervation of vertebrobasilar arteries: is this a potential clinical target?. Journal of Physiology, 2016, 594, 6463-6485.	2.9	36
95	The Relationship Between Left Ventricular Wall Thickness, Myocardial Shortening, and Ejection Fraction in Hypertensive Heart Disease: Insights From Cardiac Magnetic Resonance Imaging. Journal of Clinical Hypertension, 2016, 18, 1119-1127.	2.0	39
96	Effects of selective carotid body stimulation with adenosine in conscious humans. Journal of Physiology, 2016, 594, 6225-6240.	2.9	28
97	003â€…Detecting hypertensive heart disease: The additive value of cardiovascular magnetic resonance imaging. Heart, 2016, 102, A1.3-A1.	2.9	0
98	010â€…Insights into hypertensive heart disease phenotypes: Spectrum of myocyte, interstitial and vascular changes by cardiovascular MRI. Heart, 2016, 102, A4.1-A4.	2.9	0
99	Rasd1, a small G protein with a big role in the hypothalamic response to neuronal activation. Molecular Brain, 2016, 9, 1.	2.6	52
100	Systemic leukotriene B₄ receptor antagonism lowers arterial blood pressure and improves autonomic function in the spontaneously hypertensive rat. Journal of Physiology, 2016, 594, 5975-5989.	2.9	15
101	Quantifying sympathetic neuroâ€haemodynamic transduction at rest in humans: insights into sex, ageing and blood pressure control. Journal of Physiology, 2016, 594, 4753-4768.	2.9	85
102	The effect of obesity on electrocardiographic detection of hypertensive left ventricular hypertrophy: recalibration against cardiac magnetic resonance. Journal of Human Hypertension, 2016, 30, 197-203.	2.2	17
103	Influence of age on respiratory modulation of muscle sympathetic nerve activity, blood pressure and baroreflex function in humans. Experimental Physiology, 2015, 100, 1039-1051.	2.0	17
104	Insights gleaned from pharmacoâ€genetic dissection and modelling of cardioâ€respiratory neural networks. Journal of Physiology, 2015, 593, 3031-3031.	2.9	0
105	Transcription factor CREB3L1 mediates cAMP and glucocorticoid regulation of arginine vasopressin gene transcription in the rat hypothalamus. Molecular Brain, 2015, 8, 68.	2.6	26
106	Carotid body overactivity induces respiratory neurone channelopathy contributing to neurogenic hypertension. Journal of Physiology, 2015, 593, 3055-3063.	2.9	16
107	Î¼ opioid receptor activation hyperpolarizes respiratoryâ€controlling KÃ¶llikerâ€“Fuse neurons and suppresses postâ€inspiratory drive. Journal of Physiology, 2015, 593, 4453-4469.	2.9	103
108	Respiratory modulated sympathetic activity: a putative mechanism for developing vascular resistance?. Journal of Physiology, 2015, 593, 5341-5360.	2.9	23

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109	RNA binding protein Caprin-2 is a pivotal regulator of the central osmotic defense response. ELife, 2015, 4, .	6.0	18
110	Modelling the vascular response to sympathetic postganglionic nerve activity. Journal of Theoretical Biology, 2015, 371, 102-116.	1.7	10
111	Brainstem Hypoxia Contributes to the Development of Hypertension in the Spontaneously Hypertensive Rat. Hypertension, 2015, 65, 775-783.	2.7	81
112	Control of Polyamine Biosynthesis by Antizyme Inhibitor 1 Is Important for Transcriptional Regulation of Arginine Vasopressin in the Male Rat Hypothalamus. Endocrinology, 2015, 156, 2905-2917.	2.8	20
113	144â€…Does Home-Based, Slow Deep Breathing Training Reduce Central Sympathetic Outflow and Enhance Baroreflex Sensivitiy in Primary Hypertension?. Heart, 2015, 101, A83.1-A83.	2.9	1
114	Osmoregulation Requires Brain Expression of the Renal Na-K-2Cl Cotransporter NKCC2. Journal of Neuroscience, 2015, 35, 5144-5155.	3.6	34
115	P2X3 receptors and sensitization of autonomic reflexes. Autonomic Neuroscience: Basic and Clinical, 2015, 191, 16-24.	2.8	25
116	Joint UK societiesâ€™ 2014 consensus statement on renal denervation for resistant hypertension. Heart, 2015, 101, 10-16.	2.9	41
117	Defining inhibitory neurone function in respiratory circuits: opportunities with optogenetics?. Journal of Physiology, 2015, 593, 3033-3046.	2.9	16
118	Cardiac output is improved in rats with myocardial infarction by enhancement of respiratory sinus arrhythmia. FASEB Journal, 2015, 29, 1043.3.	0.5	2
119	P2X3 receptorâ€mediated chemoreceptor hypersensitivity in young spontaneous hypertensive rats. FASEB Journal, 2015, 29, 652.4.	0.5	1
120	Transcription Factor CREB3L1 Regulates Endoplasmic Reticulum Stress Response Genes in the Osmotically Challenged Rat Hypothalamus. PLoS ONE, 2015, 10, e0124956.	2.5	30
121	Vertebrobasilar Remodeling In Hypertension: Cause or Consequence. FASEB Journal, 2015, 29, 832.11.	0.5	0
122	P2X3 Receptor Antagonism Reduces Peripheral Chemoreceptor Reflex Hypersensitivity and Blood Pressure in the Spontaneously Hypertensive Rat. FASEB Journal, 2015, 29, 1060.1.	0.5	0
123	DISTINCT BRAINSTEM ORIGINS OF CARDIAC VAGAL TONE AND RESPIRATORY SINUS ARRHYTHMIA. FASEB Journal, 2015, 29, 1056.3.	0.5	2
124	Telemetric Recording of Renal and Carotid Blood Flow Velocity and Arterial Blood Pressure Simultaneously in Rats. FASEB Journal, 2015, 29, 960.3.	0.5	0
125	Desensitization of mu opioid receptors on KÃ¶llikerâ€Fuse neurons. FASEB Journal, 2015, 29, 1032.4.	0.5	0
126	Salt Appetite Is Reduced by a Single Experience of Drinking Hypertonic Saline in the Adult Rat. PLoS ONE, 2014, 9, e104802.	2.5	11

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127	Mapping the cellular electrophysiology of rat sympathetic preganglionic neurones to their roles in cardiorespiratory reflex integration: a whole cell recording study in situ. Journal of Physiology, 2014, 592, 2215-2236.	2.9	15
128	Rebuttal from L. E. K. Ratcliffe, W. Pijacka, F. D. McBryde, A. P. Abdala, D. J. Moraes, P. A. Sobotka, E. C. Hart, K. Narkiewicz, A. K. Nightingale and J. F. R. Paton. Journal of Physiology, 2014, 592, 3949-3950.	2.9	0
129	Dissociation between blood pressure and heart rate response to hypoxia after bilateral carotid body removal in men with systolic heart failure. Experimental Physiology, 2014, 99, 552-561.	2.0	52
130	CrossTalk opposing view: Which technique for controlling resistant hypertension? Carotid chemoreceptor denervation/modulation. Journal of Physiology, 2014, 592, 3941-3944.	2.9	8
131	Chronic depression of hypothalamic paraventricular neuronal activity produces sustained hypotension in hypertensive rats. Experimental Physiology, 2014, 99, 89-100.	2.0	24
132	Intrinsic chemosensitivity of rostral ventrolateral medullary sympathetic premotor neurons in the in situ arterially perfused preparation of rats. Experimental Physiology, 2014, 99, 1453-1466.	2.0	17
133	Specific Respiratory Neuron Types Have Increased Excitability That Drive Presympathetic Neurones in Neurogenic Hypertension. Hypertension, 2014, 63, 1309-1318.	2.7	63
134	Central regulation of heart rate and the appearance of respiratory sinus arrhythmia: New insights from mathematical modeling. Mathematical Biosciences, 2014, 255, 71-82.	1.9	48
135	Lactate-mediated glia-neuronal signalling in the mammalian brain. Nature Communications, 2014, 5, 3284.	12.8	278
136	Arteriovenous Anastomosis. Hypertension, 2014, 64, 6-12.	2.7	49
137	Carotid body induced postâ€inspiratory neuron channelopathy for neurogenic hypertension (872.9). FASEB Journal, 2014, 28, 872.9.	0.5	1
138	Deviceâ€guided slow deep breathing in essential hypertension: is cardiac or sympathetic baroreflex sensitivity altered? (1132.7). FASEB Journal, 2014, 28, 1132.7.	0.5	0
139	Functional connectivity between BÃ¶tzinger complex glycinergic neurons and parafacial lateâ€expiratory neurons for expiratory and sympathetic control (712.17). FASEB Journal, 2014, 28, 712.17.	0.5	1
140	Rheumatoid arthritis and autonomic function (1132.10). FASEB Journal, 2014, 28, 1132.10.	0.5	0
141	Increased memory and decreased naÃ¯ve T cells in human hypertension (1074.9). FASEB Journal, 2014, 28, 1074.9.	0.5	0
142	Effect of device guided slow deep breathing on central sympathetic outflow and arterial baroreflex sensitivity in young healthy individuals (1170.4). FASEB Journal, 2014, 28, 1170.4.	0.5	0
143	Revelations About Carotid Body Function Through its Pathological Role in Resistant Hypertension. Current Hypertension Reports, 2013, 15, 273-280.	3.5	62
144	The Carotid Body as a Therapeutic Target for the Treatment of Sympathetically Mediated Diseases. Hypertension, 2013, 61, 5-13.	2.7	232

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145	The carotid body as a putative therapeutic target for the treatment of neurogenic hypertension. Nature Communications, 2013, 4, 2395.	12.8	204
146	Chronic Knockdown of the Nucleus of the Solitary Tract AT ₁ Receptors Increases Blood Inflammatory-Endothelial Progenitor Cell Ratio and Exacerbates Hypertension in the Spontaneously Hypertensive Rat. Hypertension, 2013, 61, 1328-1333.	2.7	30
147	Excessive Leukotriene B4 in Nucleus Tractus Solitarii Is Prohypertensive in Spontaneously Hypertensive Rats. Hypertension, 2013, 61, 194-201.	2.7	44
148	Brainstem respiratory networks: building blocks and microcircuits. Trends in Neurosciences, 2013, 36, 152-162.	8.6	330
149	Carotid body removal for treatment of chronic systolic heart failure. International Journal of Cardiology, 2013, 168, 2506-2509.	1.7	83
150	Modulation of respiratory sinus arrhythmia in rats with central pattern generator hardware. Journal of Neuroscience Methods, 2013, 212, 124-132.	2.5	12
151	Increasing brain serotonin corrects CO₂ chemosensitivity in methylâ€CpGâ€binding protein 2 (Mecp2)â€deficient mice. Experimental Physiology, 2013, 98, 842-849.	2.0	34
152	Cerebral artery resistance is directly related to sympathetic nerve activity in men. FASEB Journal, 2013, 27, 697.10.	0.5	0
153	Carotid body denervation (CBD) stunts development of Goldblatt 2 kidneyâ€1 clip (2Kâ€1C) hypertension in adult rats. FASEB Journal, 2013, 27, 1108.7.	0.5	0
154	Effects of antiâ€hypertensive interventions on the inflammatory response in the spontaneously hypertensive rat. FASEB Journal, 2013, 27, 905.8.	0.5	0
155	Influence of age on respiratory modulation of muscle sympathetic nerve activity and blood pressure in humans. FASEB Journal, 2013, 27, 1118.23.	0.5	0
156	Interactions between carotid body denervation and renal nerve denervation in lowering arterial blood pressure in the adult spontaneously hypertensive rat (SHR). FASEB Journal, 2013, 27, 699.13.	0.5	0
157	The balance between neural and hemodynamic factors is abolished in hypertensive men. FASEB Journal, 2013, 27, 1108.5.	0.5	0
158	Central neural mechanisms underpinning amplified respiratoryâ€sympathetic coupling in the spontaneously hypertensive rat.. FASEB Journal, 2013, 27, 927.12.	0.5	0
159	Hypertension Before and After Posterior Circulation Infarction: Analysis of Data from the South London Stroke Register. Journal of Stroke and Cerebrovascular Diseases, 2012, 21, 612-618.	1.6	12
160	Evaluating the physiological significance of respiratory sinus arrhythmia: looking beyond ventilationâ€“perfusion efficiency. Journal of Physiology, 2012, 590, 1989-2008.	2.9	106
161	The sympathetic nervous system and blood pressure in humans: implications for hypertension. Journal of Human Hypertension, 2012, 26, 463-475.	2.2	213
162	Neurogenic Hypertension and Elevated Vertebrobasilar Arterial Resistance: Is There a Causative Link?. Current Hypertension Reports, 2012, 14, 261-269.	3.5	43

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163	Hypertension is critically dependent on the carotid body input in the spontaneously hypertensive rat. Journal of Physiology, 2012, 590, 4269-4277.	2.9	188
164	Depressed serotonin (5â€HT) contributes to suppressed CO 2 chemosensitivity in MeCP2 deficient mice. FASEB Journal, 2012, 26, 894.6.	0.5	0
165	Adaptive Single Neuron Hypertensive Gene Expression Programs in the Nucleus Tractus Solitarius. FASEB Journal, 2012, 26, 1035.19.	0.5	0
166	Long term enhancement of cerebral vascular resistance in spontaneously hypertensive rats produces short term pressor responses and long term reâ€modelling of cerebral circulation. FASEB Journal, 2012, 26, 1091.53.	0.5	1
167	A theoretical study of the physiological significance of respiratory sinus arrhythmia. FASEB Journal, 2012, 26, 702.5.	0.5	0
168	Intermittent hypoxia-induced sensitization of central chemoreceptors contributes to sympathetic nerve activity during late expiration in rats. Journal of Neurophysiology, 2011, 105, 3080-3091.	1.8	84
169	Hypertension and coarctation of the aorta: an inevitable consequence of developmental pathophysiology. Hypertension Research, 2011, 34, 543-547.	2.7	53
170	An Exploration of the Control of Micturition Using a Novel in Situ Arterially Perfused Rat Preparation. Frontiers in Neuroscience, 2011, 5, 62.	2.8	27
171	Elevated vertebrobasilar artery resistance in neonatal spontaneously hypertensive rats. Journal of Applied Physiology, 2011, 111, 149-156.	2.5	37
172	Exercise with angina and cramp?. Journal of Physiology, 2011, 589, 261-262.	2.9	2
173	Switching control of sympathetic activity from forebrain to hindbrain in chronic dehydration. Journal of Physiology, 2011, 589, 4457-4471.	2.9	22
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