Jasenka Zubcevic

List of Publications by Year in descending order

60 papers	3,088 citations	257101 24 h-index	253896 43 g-index
62 all docs	62 docs citations	62 times ranked	3828 citing authors

#	Article	IF	Citations
1	Gut Dysbiosis Is Linked to Hypertension. Hypertension, 2015, 65, 1331-1340.	1.3	1,079
2	Hypertension-Linked Pathophysiological Alterations in the Gut. Circulation Research, 2017, 120, 312-323.	2.0	374
3	Structure-Based Discovery of a Novel Angiotensin-Converting Enzyme 2 Inhibitor. Hypertension, 2004, 44, 903-906.	1.3	171
4	Autonomic-Immune-Vascular Interaction. Hypertension, 2011, 57, 1026-1033.	1.3	157
5	Involvement of Bone Marrow Cells and Neuroinflammation in Hypertension. Circulation Research, 2015, 117, 178-191.	2.0	147
6	Altered Inflammatory Response Is Associated With an Impaired Autonomic Input to the Bone Marrow in the Spontaneously Hypertensive Rat. Hypertension, 2014, 63, 542-550.	1.3	90
7	Impaired Autonomic Nervous System-Microbiome Circuit in Hypertension. Circulation Research, 2019, 125, 104-116.	2.0	73
8	Impaired butyrate absorption in the proximal colon, low serum butyrate and diminished central effects of butyrate on blood pressure in spontaneously hypertensive rats. Acta Physiologica, 2019, 226, e13256.	1.8	69
9	Sustained Captoprilâ€Induced Reduction in Blood Pressure Is Associated With Alterations in Gutâ€Brain Axis in the Spontaneously Hypertensive Rat. Journal of the American Heart Association, 2019, 8, e010721.	1.6	63
10	Brain-Mediated Dysregulation of the Bone Marrow Activity in Angiotensin Iiâ€“Induced Hypertension. Hypertension, 2012, 60, 1316-1323.	1.3	55
11	Ghrelin Signaling Affects Feeding Behavior, Metabolism, and Memory through the Vagus Nerve. Current Biology, 2020, 30, 4510-4518.e6.	1.8	50
12	Cloning and characterization of a secreted form of angiotensin-converting enzyme 2. Regulatory Peptides, 2004, 122, 61-67.	1.9	43
13	Gutâ€“Brain Axis in Regulation of Blood Pressure. Frontiers in Physiology, 2017, 8, 845.	1.3	43
14	Nucleus of the Solitary Tract (Pro)Renin Receptor-Mediated Antihypertensive Effect Involves Nuclear Factor-Î¹B-Cytokine Signaling in the Spontaneously Hypertensive Rat. Hypertension, 2013, 61, 622-627.	1.3	41
15	Neuroimmune communication in hypertension and obesity: A new therapeutic angle?. , 2013, 138, 428-440.		41
16	Functional Neuralâ€“Bone Marrow Pathways. Hypertension, 2014, 63, e129-39.	1.3	39
17	A Single Angiotensin II Hypertensive Stimulus Is Associated with Prolonged Neuronal and Immune System Activation in Wistar-Kyoto Rats. Frontiers in Physiology, 2017, 8, 592.	1.3	38
18	Role of GABAergic neurones in the nucleus tractus solitarii in modulation of cardiovascular activity. Experimental Physiology, 2010, 95, 909-918.	0.9	36

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19	Involvement of Neuroinflammation in the Pathogenesis of Monocrotaline-Induced Pulmonary Hypertension. Hypertension, 2018, 71, 1156-1163.	1.3	34
20	Shift to an Involvement of Phosphatidylinositol 3-Kinase in Angiotensin II Actions on Nucleus Tractus Solitarii Neurons of the Spontaneously Hypertensive Rat. Circulation Research, 2009, 105, 1248-1255.	2.0	30
21	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.	1.3	30
22	Increased Abundance of Lactobacillales in the Colon of Beta-Adrenergic Receptor Knock Out Mouse Is Associated With Increased Gut Bacterial Production of Short Chain Fatty Acids and Reduced IL17 Expression in Circulating CD4+ Immune Cells. Frontiers in Physiology, 2018, 9, 1593.	1.3	30
23	Butyrate regulates inflammatory cytokine expression without affecting oxidative respiration in primary astrocytes from spontaneously hypertensive rats. Physiological Reports, 2018, 6, e13732.	0.7	29
24	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. Frontiers in Physiology, 2017, 8, 220.	1.3	28
25	Gastrointestinal dysbiosis following diethylhexyl phthalate exposure in zebrafish (Danio rerio): Altered microbial diversity, functionality, and network connectivity. Environmental Pollution, 2020, 265, 114496.	3.7	28
26	Elevated bone marrow sympathetic drive precedes systemic inflammation in angiotensin II hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H279-H289.	1.5	27
27	Gut microbiota and neuroinflammation in pathogenesis of hypertension: A potential role for hydrogen sulfide. Pharmacological Research, 2020, 153, 104677.	3.1	27
28	Dysfunctional Brain-bone Marrow Communication: A Paradigm Shift in the Pathophysiology of Hypertension. Current Hypertension Reports, 2013, 15, 377-389.	1.5	24
29	Loss of bone marrow adrenergic beta 1 and 2 receptors modifies transcriptional networks, reduces circulating inflammatory factors, and regulates blood pressure. Physiological Genomics, 2016, 48, 526-536.	1.0	24
30	Comparison of Isoflurane, Ketamineâ€“Dexmedetomidine, and Ketamineâ€“Xylazine for General Anesthesia during Oral Procedures in Rice Rats (Oryzomys palustris). Journal of the American Association for Laboratory Animal Science, 2019, 58, 40-49.	0.6	23
31	Pulmonary arterial hypertension-associated changes in gut pathology and microbiota. ERJ Open Research, 2020, 6, 00253-2019.	1.1	22
32	Identification of a Gut Commensal That Compromises the Blood Pressure-Lowering Effect of Ester Angiotensin-Converting Enzyme Inhibitors. Hypertension, 2022, 79, 1591-1601.	1.3	19
33	Chronic Blockade of Phosphatidylinositol 3-Kinase in the Nucleus Tractus Solitarii Is Prohypertensive in the Spontaneously Hypertensive Rat. Hypertension, 2009, 53, 97-103.	1.3	18
34	Central Administration of Hydrogen Sulfide Donor NaHS Reduces Iba1-Positive Cells in the PVN and Attenuates Rodent Angiotensin II Hypertension. Frontiers in Neuroscience, 2021, 15, 690919.	1.4	13
35	The importance of bone marrow and the immune system in driving increases in blood pressure and sympathetic nerve activity in hypertension. Experimental Physiology, 2020, 105, 1815-1826.	0.9	11
36	Transcriptional networks in rodent models support a role for gut-brain communication in neurogenic hypertension: a review of the evidence. Physiological Genomics, 2017, 49, 327-338.	1.0	10

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37	Cocaine differentially affects synaptic activity in memory and midbrain areas of female and male rats: an in vivo MEMRI study. Brain Imaging and Behavior, 2018, 12, 201-216.	1.1	10
38	MEMRI reveals altered activity in brain regions associated with anxiety, locomotion, and cardiovascular reactivity on the elevated plus maze in the WKY vs SHR rats. Brain Imaging and Behavior, 2018, 12, 1318-1331.	1.1	10
39	Attenuated Amiloride-Sensitive Current and Augmented Calcium-Activated Chloride Current in Marsh Rice Rat (Oryzomys palustris) Airways. IScience, 2019, 19, 737-748.	1.9	9
40	Genetic ablation of bone marrow beta-adrenergic receptors in mice modulates miRNA-transcriptome networks of neuroinflammation in the paraventricular nucleus. Physiological Genomics, 2020, 52, 169-177.	1.0	9
41	Nicotine exposure during pregnancy alters the maternal gut microbiome and both cecal and plasma short chain fatty acids in Sprague Dawley rats.. FASEB Journal, 2020, 34, 1-1.	0.2	6
42	Tumor Necrosis Factor Alpha and the Gastrointestinal Epithelium: Implications for the Gut-Brain Axis and Hypertension. Cellular and Molecular Neurobiology, 2022, 42, 419-437.	1.7	5
43	Chronic inhibition of phosphoinositideâ€3â€kinase (PI3K) in the nucleus of the solitary tract (NTS) of hypertensive rats increases blood pressure. FASEB Journal, 2007, 21, A899.	0.2	2
44	Abstract 606: Reconstitution Of Bone Marrow With WKY Cells Lowers Central/Peripheral Inflammation And Blood Pressure In The SHR. Hypertension, 2013, 62, .	1.3	1
45	Ainâ€™t No Sunshine When Theyâ€™re Gone: Rendering the Gut Microbiota â€œHomelessâ€•by Cecectomy Reveals Their True Thermogenic Potential. Function, 2021, 2, zqab020.	1.1	0
46	Role of phosphoinositideâ€3â€kinase (PI3K) in the nucleus of the solitary tract (NTS) in the modulation of baroreceptor reflex function in the hypertensive rat. FASEB Journal, 2008, 22, 737.34.	0.2	0
47	Dysfunctional bone marrowâ€derived endothelial progenitor cells in chronic Ang II infusion rat model of hypertension. FASEB Journal, 2012, 26, 878.7.	0.2	0
48	In vivo MEMRI reveals persistent activation of the brain autonomic areas by an acute systemic angiotensin II injection. FASEB Journal, 2012, 26, lb801.	0.2	0
49	NTS (pro)renin receptor (PRR)â€mediated antihypertensive effect involves NFâ€KappaBâ€cytokine signaling in the spontaneously hypertensive rats (SHR). FASEB Journal, 2012, 26, 684.26.	0.2	0
50	Increased Expression of Prorenin Receptor (PRR) in the NTS of Spontaneously Hypertensive Rats (SHR) May Be A Compensatory Mechanism of Hypertension. FASEB Journal, 2013, 27, 903.8.	0.2	0
51	Optimizing the Microfil Dye Perfusion Technique will Allow for Rat Cerebral Vascular Network Analysis through uCT Image Quantification. FASEB Journal, 2015, 29, 647.1.	0.2	0
52	Abstract 077: Captopril-Induced Sustained Reduction in Blood Pressure is Associated With Alterations in Gut-Brain Axis in the Spontaneously Hypertensive Rats. Hypertension, 2018, 72, .	1.3	0
53	Central Administration of Hydrogen Sulfide Alleviates Rodent Angiotensin II Hypertension. FASEB Journal, 2019, 33, 835.18.	0.2	0
54	Abstract P3063: Reduced 5-ht3r Signaling In The Nodose Ganglia Neurons Of Adult Shr. Hypertension, 2019, 74, .	1.3	0

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55	Abstract P171: Gut Microbiota-Derived Hydrogen Sulfide is Reduced in Spontaneously Hypertensive Rats. Hypertension, 2019, 74, .	1.3	0
56	Abstract P188: Electrical Stimulation of Sub-Diaphragmatic Vagal Trunk Alleviates Hypertension in the SHR. Hypertension, 2019, 74, .	1.3	0
57	Subâ€diaphragmatic vagal nerve stimulation alleviates rodent hypertension associated with gut dysbiosis and reduced serotonergic vagal afferent signaling. FASEB Journal, 2020, 34, 1-1.	0.2	0
58	Genetic ablation of bone marrow betaâ€adrenergic receptors alters miRNAâ€transcriptome networks for microglia activation and inflammation in the paraventricular nucleus of the hypothalamus. FASEB Journal, 2020, 34, 1-1.	0.2	0
59	Reduced responsiveness of bone marrow hematopoietic cells to sympathetic activation is protective against high fat dietâ€induced obesity and gut dysbiosis. FASEB Journal, 2020, 34, 1-1.	0.2	0
60	Central and Systemic Effects of Subdiaphragmatic Vagus Nerve Stimulation during the Development of Hypertension in the SHR. FASEB Journal, 2022, 36, .	0.2	0