

Shun-Guang Wei

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,121
citations

172457

29
h-index

233421

45
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60
all docs

60
docs citations

60
times ranked

1758
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Cardiovascular and renal sympathetic activation by blood-borne TNF- α in rat: the role of central prostaglandins. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R916-R927. | 1.8 | 133 |
| 2 | Central mineralocorticoid receptor blockade improves volume regulation and reduces sympathetic drive in heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2241-H2251. | 3.2 | 131 |
| 3 | Heart failure and the brain: new perspectives. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R259-R276. | 1.8 | 110 |
| 4 | Aldosterone acts centrally to increase brain renin-angiotensin system activity and oxidative stress in normal rats. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1067-H1074. | 3.2 | 108 |
| 5 | Does Aldosterone Upregulate the Brain Renin-Angiotensin System in Rats With Heart Failure?. Hypertension, 2008, 51, 727-733. | 2.7 | 102 |
| 6 | Brain Perivascular Macrophages and the Sympathetic Response to Inflammation in Rats After Myocardial Infarction. Hypertension, 2010, 55, 652-659. | 2.7 | 102 |
| 7 | Angiotensin II upregulates hypothalamic AT ₁ receptor expression in rats via the mitogen-activated protein kinase pathway. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1425-H1433. | 3.2 | 92 |
| 8 | Proinflammatory Cytokines Upregulate Sympathoexcitatory Mechanisms in the Subfornical Organ of the Rat. Hypertension, 2015, 65, 1126-1133. | 2.7 | 86 |
| 9 | Subfornical Organ Mediates Sympathetic and Hemodynamic Responses to Blood-Borne Proinflammatory Cytokines. Hypertension, 2013, 62, 118-125. | 2.7 | 78 |
| 10 | 11 β -Hydroxysteroid Dehydrogenase Type 2 Activity in Hypothalamic Paraventricular Nucleus Modulates Sympathetic Excitation. Hypertension, 2006, 48, 127-133. | 2.7 | 69 |
| 11 | Brain angiotensin-converting enzyme activity and autonomic regulation in heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2138-H2146. | 3.2 | 67 |
| 12 | Central Gene Transfer of Interleukin-10 Reduces Hypothalamic Inflammation and Evidence of Heart Failure in Rats After Myocardial Infarction. Circulation Research, 2007, 101, 304-312. | 4.5 | 60 |
| 13 | Angiotensin II "Triggered p44/42 Mitogen-Activated Protein Kinase Mediates Sympathetic Excitation in Heart Failure Rats. Hypertension, 2008, 52, 342-350. | 2.7 | 57 |
| 14 | Mitogen-Activated Protein Kinases Mediate Upregulation of Hypothalamic Angiotensin II Type 1 Receptors in Heart Failure Rats. Hypertension, 2008, 52, 679-686. | 2.7 | 52 |
| 15 | Centrally administered lipopolysaccharide elicits sympathetic excitation via NAD(P)H oxidase-dependent mitogen-activated protein kinase signaling. Journal of Hypertension, 2010, 28, 806-816. | 0.5 | 51 |
| 16 | Pharmacological Treatment for Heart Failure: A View From the Brain. Clinical Pharmacology and Therapeutics, 2009, 86, 216-220. | 4.7 | 41 |
| 17 | ERK1/2 MAPK signaling in hypothalamic paraventricular nucleus contributes to sympathetic excitation in rats with heart failure after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H732-H739. | 3.2 | 41 |
| 18 | Endoplasmic reticulum stress increases brain MAPK signaling, inflammation and renin-angiotensin system activity and sympathetic nerve activity in heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H871-H880. | 3.2 | 41 |

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|----|--|-----|-----------|
| 19 | Symbolic analysis detects alterations of cardiac autonomic modulation in congestive heart failure rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2009, 150, 21-26. | 2.8 | 39 |
| 20 | 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, 477-484. | 2.7 | 39 |
| 21 | 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. | 2.3 | 39 |
| 22 | Activation of Central PPAR- β Attenuates Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2015, 66, 403-411. | 2.7 | 38 |
| 23 | EP ₃ receptors mediate PGE ₂ -induced hypothalamic paraventricular nucleus excitation and sympathetic activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1559-H1569. | 3.2 | 37 |
| 24 | 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-H895. | 3.2 | 34 |
| 25 | Central Actions of the Chemokine Stromal Cell-Derived Factor 1 Contribute to Neurohumoral Excitation in Heart Failure Rats. <i>Hypertension</i> , 2012, 59, 991-998. | 2.7 | 34 |
| 26 | Increased Cyclooxygenase-2 Expression in Hypothalamic Paraventricular Nucleus in Rats With Heart Failure. <i>Hypertension</i> , 2007, 49, 511-518. | 2.7 | 33 |
| 27 | 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. | 3.2 | 33 |
| 28 | Early Interference With p44/42 Mitogen-Activated Protein Kinase Signaling in Hypothalamic Paraventricular Nucleus Attenuates Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2013, 61, 842-849. | 2.7 | 31 |
| 29 | Neurohumoral Regulation in Ischemia-Induced Heart Failure. <i>Annals of the New York Academy of Sciences</i> , 2001, 940, 444-453. | 3.8 | 30 |
| 30 | 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, 229-236. | 2.7 | 29 |
| 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. | 1.8 | 26 |
| 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-H751. | 3.2 | 25 |
| 33 | Functional Regulation of CLC-3 in the Migration of Vascular Smooth Muscle Cells. <i>Hypertension</i> , 2013, 61, 174-179. | 2.7 | 25 |
| 34 | Brain TACE (Tumor Necrosis Factor- α -Converting Enzyme) Contributes to Sympathetic Excitation in Heart Failure Rats. <i>Hypertension</i> , 2019, 74, 63-72. | 2.7 | 25 |
| 35 | Forebrain-mediated adaptations to myocardial infarction in the rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1898-H1906. | 3.2 | 23 |
| 36 | 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-H1654. | 3.2 | 23 |

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|----|--|-----|-----------|
| 37 | 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. | 2.0 | 20 |
| 38 | Autonomic cardiovascular modulation. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2009, 28, 79-85. | 0.8 | 18 |
| 39 | Systemically administered tempol reduces neuronal activity in paraventricular nucleus of hypothalamus and rostral ventrolateral medulla in rats. <i>Journal of Hypertension</i> , 2009, 27, 543-550. | 0.5 | 18 |
| 40 | 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. | 3.2 | 15 |
| 41 | IL (Interleukin)-17A Acts in the Brain to Drive Neuroinflammation, Sympathetic Activation, and Hypertension. <i>Hypertension</i> , 2021, 78, 1450-1462. | 2.7 | 14 |
| 42 | 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. | 3.2 | 11 |
| 43 | 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. | 5.8 | 9 |
| 44 | Predator Scent-Induced Sensitization of Hypertension and Anxiety-like Behaviors. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 1141-1152. | 3.3 | 8 |
| 45 | 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. | 3.7 | 6 |
| 46 | 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. | 4.6 | 4 |
| 47 | 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. | 2.3 | 4 |
| 48 | Loss of the Protective Effect of Estrogen Contributes to Maternal Gestational Hypertension-Induced Hypertensive Response Sensitization Elicited by Postweaning High-Fat Diet in Female Offspring. <i>Journal of the American Heart Association</i> , 2022, 11, e023685. | 3.7 | 3 |
| 49 | Circulating Angiotensin II Upregulates Brain Angiotensin Type 1 Receptors in Normal and Heart Failure Rats. <i>FASEB Journal</i> , 2007, 21, A1266. | 0.5 | 2 |
| 50 | Transforming Growth Factor- α Acts in Hypothalamic Paraventricular Nucleus to Upregulate ERK1/2 Signaling and Expression of Sympathoexcitatory Mediators in Heart Failure Rats. <i>Neuroscience</i> , 2022, 483, 13-23. | 2.3 | 2 |
| 51 | Transforming Growth Factor- α 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. | 0.5 | 1 |
| 52 | 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, . | 2.7 | 1 |
| 53 | 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. | 0.5 | 1 |
| 54 | 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. | 0.5 | 0 |

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|----|--|-----|-----------|
| 55 | Central mineralocorticoid receptor antagonism improves autonomic neural control in heart failure rats. FASEB Journal, 2007, 21, A1267. | 0.5 | 0 |
| 56 | Interleukin-10 Suppresses Sympatho-excitatory Responses to Central LPS in Rats. FASEB Journal, 2007, 21, A884. | 0.5 | 0 |
| 57 | Silencing of brain p44/42 mitogen-activated protein kinase ameliorates aldosterone-induced sympathetic excitation in rats. FASEB Journal, 2010, 24, 1050.3. | 0.5 | 0 |
| 58 | 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. | 0.5 | 0 |
| 59 | Brain Endoplasmic Reticulum (ER) Stress Mediates Lipopolysaccharide-induced Central Inflammation and Sympathetic and Cardiovascular Excitation. FASEB Journal, 2013, 27, 697.7. | 0.5 | 0 |
| 60 | Role of TACE in LPS-induced Production of Soluble Tumor Necrosis Factor- α in Astrocytes. FASEB Journal, 2019, 33, lb640. | 0.5 | 0 |