# Toru Kawada

List of Publications by Year
in descending order



| 126 | 2,462 | 236612 | 253896 |
|---|---|---|---|
| papers | citations | 25 h-index | 43 g-index |

| 126 | 126 | 126 | 1591 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Vagal Nerve Stimulation Markedly Improves Long-Term Survival After Chronic Heart Failure in Rats. Circulation, 2004, 109, 120-124. | 1.6 | 533 |
| 2 | New analytic framework for understanding sympathetic baroreflex control of arterial pressure. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H2251-H2261. | 1.5 | 78 |
| 3 | New simple methods for isolating baroreceptor regions of carotid sinus and aortic depressor nerves in rats. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H326-H332. | 1.5 | 62 |
| 4 | A novel framework of circulatory equilibrium. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H2376-H2385. | 1.5 | 52 |
| 5 | Efferent vagal nerve stimulation induces tissue inhibitor of metalloproteinase-1 in myocardial ischemia-reperfusion injury in rabbit. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2254-H2261. | 1.5 | 51 |
| 6 | Bionic Technology Revitalizes Native Baroreflex Function in Rats With Baroreflex Failure. Circulation, 2002, 106, 730-734. | 1.6 | 48 |
| 7 | Novel Therapeutic Strategy Against Central Baroreflex Failure. Circulation, 1999, 100, 299-304. | 1.6 | 47 |
| 8 | Open-loop dynamic and static characteristics of the carotid sinus baroreflex in rats with chronic heart failure after myocardial infarction. Journal of Physiological Sciences, 2010, 60, 283-298. | 0.9 | 44 |
| 9 | Differential dynamic baroreflex regulation of cardiac and renal sympathetic nerve activities. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1581-H1590. | 1.5 | 43 |
| 10 | Vagal stimulation suppresses ischemia-induced myocardial interstitial norepinephrine release. Life Sciences, 2006, 78, 882-887. | 2.0 | 43 |
| 11 | Early Short-Term Vagal Nerve Stimulation Attenuates Cardiac Remodeling After Reperfused Myocardial Infarction. Journal of Cardiac Failure, 2010, 16, 689-699. | 0.7 | 40 |
| 12 | Open-loop static and dynamic characteristics of the arterial baroreflex system in rabbits and rats. Journal of Physiological Sciences, 2016, 66, 15-41. | 0.9 | 39 |
| 13 | High plasma norepinephrine attenuates the dynamic heart rate response to vagal stimulation. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H2412-H2418. | 1.5 | 37 |
| 14 | Donepezil Markedly Improves Long-Term Survival in Rats With Chronic Heart Failure After Extensive Myocardial Infarction. Circulation Journal, 2013, 77, 2519-2525. | 0.7 | 36 |
| 15 | High-cut characteristics of the baroreflex neural arc preserve baroreflex gain against pulsatile pressure. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1149-H1156. | 1.5 | 35 |
| 16 | Dynamics of sympathetic baroreflex control of arterial pressure in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R262-R270. | 0.9 | 34 |
| 17 | Short-term electroacupuncture at Zusanli resets the arterial baroreflex neural arc toward lower sympathetic nerve activity. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H318-H326. | 1.5 | 34 |
| 18 | Differential Acetylcholine Release Mechanisms in the Ischemic and Non-ischemic Myocardium. Journal of Molecular and Cellular Cardiology, 2000, 32, 405-414. | 0.9 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Input-size dependence of the baroreflex neural arc transfer characteristics. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H404-H415. | 1.5 | 32 |
| 20 | Muscle mechanoreflex induces the pressor response by resetting the arterial baroreflex neural arc. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1382-H1388. | 1.5 | 32 |
| 21 | In vivo assessment of acetylcholine-releasing function at cardiac vagal nerve terminals. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H139-H145. | 1.5 | 30 |
| 22 | In vivo direct monitoring of vagal acetylcholine release to the sinoatrial node. Autonomic Neuroscience: Basic and Clinical, 2009, 148, 44-49. | 1.4 | 29 |
| 23 | Dynamic transduction properties of in situ baroreceptors of rabbit aortic depressor nerve. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H358-H365. | 1.5 | 28 |
| 24 | Detection of endogenous acetylcholine release during brief ischemia in the rabbit ventricle: A possible trigger for ischemic preconditioning. Life Sciences, 2009, 85, 597-601. | 2.0 | 28 |
| 25 | Predominant Role of Neural Arc in Sympathetic Baroreflex Resetting of Spontaneously Hypertensive Rats. Circulation Journal, 2015, 79, 592-599. | 0.7 | 28 |
| 26 | Bionic epidural stimulation restores arterial pressure regulation during orthostasis. Journal of Applied Physiology, 2004, 97, 984-990. | 1.2 | 27 |
| 27 | Adding the acetylcholinesterase inhibitor, donepezil, to losartan treatment markedly improves longâ€term survival in rats with chronic heart failure. European Journal of Heart Failure, 2014, 16, 1056-1065. | 2.9 | 26 |
| 28 | Automated drug delivery system to control systemic arterial pressure, cardiac output, and left heart filling pressure in acute decompensated heart failure. Journal of Applied Physiology, 2006, 100, 1278-1286. | 1.2 | 25 |
| 29 | Interaction between vestibulo-cardiovascular reflex and arterial baroreflex during postural change in rats. Journal of Applied Physiology, 2011, 111, 1614-1621. | 1.2 | 25 |
| 30 | Dynamic characteristics of baroreflex neural and peripheral arcs are preserved in spontaneously hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R155-R165. | 0.9 | 25 |
| 31 | Cardiac sympathetic nerve stimulation does not attenuate dynamic vagal control of heart rate via Î±-adrenergic mechanism. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H860-H865. | 1.5 | 24 |
| 32 | Resetting of the arterial baroreflex increases orthostatic sympathetic activation and prevents postural hypotension in rabbits. Journal of Physiology, 2005, 566, 237-246. | 1.3 | 24 |
| 33 | Liquid chromatographic determination of myocardial interstitial epinephrine. Biomedical Applications, 1998, 714, 375-378. | 1.7 | 22 |
| 34 | Bezold-Jarisch reflex attenuates dynamic gain of baroreflex neural arc. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H833-H840. | 1.5 | 22 |
| 35 | Heart Rateâ€“Independent Vagal Effect on End-Systolic Elastance of the Canine Left Ventricle Under Various Levels of Sympathetic Tone. Circulation, 2001, 104, 2277-2279. | 1.6 | 20 |
| 36 | Medetomidine, an .ALPHA.2-Adrenergic Agonist, Activates Cardiac Vagal Nerve Through Modulation of Baroreflex Control. Circulation Journal, 2012, 76, 152-159. | 0.7 | 20 |

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|---|---|---|---|
| 37 | Closed-Loop Identification of Carotid Sinus Baroreflex Transfer Characteristics Using Electrical Stimulation.. The Japanese Journal of Physiology, 2000, 50, 371-380. | 0.9 | 20 |
| 38 | Closedâ€loop spontaneous baroreflex transfer function is inappropriate for system identification of neural arc but partly accurate for peripheral arc: predictability analysis. Journal of Physiology, 2011, 589, 1769-1790. | 1.3 | 19 |
| 39 | High levels of circulating angiotensin II shift the open-loop baroreflex control of splanchnic sympathetic nerve activity, heart rate and arterial pressure in anesthetized rats. Journal of Physiological Sciences, 2009, 59, 447-55. | 0.9 | 18 |
| 40 | A derivative-sigmoidal model reproduces operating point-dependent baroreflex neural arc transfer characteristics. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H2272-H2279. | 1.5 | 17 |
| 41 | Accumulation of cAMP augments dynamic vagal control of heart rate. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H562-H567. | 1.5 | 15 |
| 42 | Neuronal uptake affects dynamic characteristics of heart rate response to sympathetic stimulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R140-R146. | 0.9 | 15 |
| 43 | Static interaction between muscle mechanoreflex and arterial baroreflex in determining efferent sympathetic nerve activity. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H1604-H1609. | 1.5 | 15 |
| 44 | Dynamic characteristics of heart rate control by the autonomic nervous system in rats. Experimental Physiology, 2010, 95, 919-925. | 0.9 | 15 |
| 45 | Less Invasive and Inotrope-Reduction Approach to Automated Closed-Loop Control of Hemodynamics in Decompensated Heart Failure. IEEE Transactions on Biomedical Engineering, 2016, 63, 1699-1708. | 2.5 | 15 |
| 46 | Estimation of Baroreflex Gain Using a Baroreflex Equilibrium Diagram.. The Japanese Journal of Physiology, 2002, 52, 21-29. | 0.9 | 15 |
| 47 | Uniformity in dynamic baroreflex regulation of left and right cardiac sympathetic nerve activities. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R1506-R1512. | 0.9 | 14 |
| 48 | Chronic vagal nerve stimulation improves baroreflex neural arc function in heart failure rats. Journal of Applied Physiology, 2014, 116, 1308-1314. | 1.2 | 14 |
| 49 | Summation of dynamic transfer characteristics of left and right carotid sinus baroreflexes in rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H857-H865. | 1.5 | 13 |
| 50 | Counteraction of aortic baroreflex to carotid sinus baroreflex in a neck suction model. Journal of Applied Physiology, 2000, 89, 1979-1984. | 1.2 | 13 |
| 51 | Effects of neuronal norepinephrine uptake blockade on baroreflex neural and peripheral arc transfer characteristics. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R1110-R1120. | 0.9 | 13 |
| 52 | Electroacupuncture changes the relationship between cardiac and renal sympathetic nerve activities in anesthetized cats. Autonomic Neuroscience: Basic and Clinical, 2008, 144, 43-49. | 1.4 | 13 |
| 53 | In vivo direct monitoring of interstitial norepinephrine levels at the sinoatrial node. Autonomic Neuroscience: Basic and Clinical, 2010, 152, 115-118. | 1.4 | 13 |
| 54 | Contrasting effects of moderate vagal stimulation on heart rate and carotid sinus baroreflex-mediated sympathetic arterial pressure regulation in rats. Life Sciences, 2011, 89, 498-503. | 2.0 | 13 |

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|---|---|---|---|
| 55 | Computer-controlled closed-loop drug infusion system for automated hemodynamic resuscitation in endotoxin-induced shock. BMC Anesthesiology, 2017, 17, 145. | 0.7 | 13 |
| 56 | Chronic vagal nerve stimulation exerts additional beneficial effects on the beta-blocker-treated failing heart. Journal of Physiological Sciences, 2019, 69, 295-303. | 0.9 | 13 |
| 57 | Nonlinear identification of the total baroreflex arc. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1479-R1489. | 0.9 | 12 |
| 58 | Nonlinear identification of the total baroreflex arc: higher-order nonlinearity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R994-R1003. | 0.9 | 12 |
| 59 | In vivo monitoring of acetylcholine release from cardiac vagal nerve endings in anesthetized mice. Autonomic Neuroscience: Basic and Clinical, 2013, 176, 91-94. | 1.4 | 11 |
| 60 | Effects of cilnidipine on sympathetic outflow and sympathetic arterial pressure and heart rate regulations in rats. Life Sciences, 2013, 92, 1202-1207. | 2.0 | 11 |
| 61 | A novel technique to predict pulmonary capillary wedge pressure utilizing central venous pressure and tissue Doppler tricuspid/mitral annular velocities. Heart and Vessels, 2015, 30, 516-526. | 0.5 | 11 |
| 62 | Dynamic Characteristics of Carotid Sinus Pressure-Nerve Activity Transduction in Rabbits. The Japanese Journal of Physiology, 2005, 55, 157-163. | 0.9 | 10 |
| 63 | Muscarinic potassium channels augment dynamic and static heart rate responses to vagal stimulation. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1564-H1570. | 1.5 | 10 |
| 64 | Accentuated Antagonism in Vagal Heart Rate Control Mediated through Muscarinic Potassium Channels. Journal of Physiological Sciences, 2008, 58, 381-388. | 0.9 | 10 |
| 65 | Ivabradine preserves dynamic sympathetic control of heart rate despite inducing significant bradycardia in rats. Journal of Physiological Sciences, 2019, 69, 211-222. | 0.9 | 10 |
| 66 | Impact of Peripheral Î±7-Nicotinic Acetylcholine Receptors on Cardioprotective Effects of Donepezil in Chronic Heart Failure Rats. Cardiovascular Drugs and Therapy, 2021, 35, 877-888. | 1.3 | 10 |
| 67 | Sympathetic Neural Regulation of Heart Rate Is Robust against High Plasma Catecholamines. Journal of Physiological Sciences, 2006, 56, 235-245. | 0.9 | 9 |
| 68 | Muscle mechanoreflex augments arterial baroreflex-mediated dynamic sympathetic response to carotid sinus pressure. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1081-H1089. | 1.5 | 9 |
| 69 | A Minimally Invasive Monitoring System of Cardiac Output Using Aortic Flow Velocity and Peripheral Arterial Pressure Profile. Anesthesia and Analgesia, 2013, 116, 1006-1017. | 1.1 | 9 |
| 70 | Effects of tempol on baroreflex neural arc versus peripheral arc in normotensive and spontaneously hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R957-R964. | 0.9 | 9 |
| 71 | Effects of Proximal Pulmonary Artery Occlusion on Pulsatile Right Ventricular Afterload in Rats. Circulation Journal, 2016, 80, 2010-2018. | 0.7 | 9 |
| 72 | Ivabradine does not acutely affect open-loop baroreflex static characteristics and spares sympathetic heart rate control in rats. International Journal of Cardiology, 2018, 257, 255-261. | 0.8 | 9 |

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|---|---|---|---|
| 73 | Impact of lipopolysaccharide-induced acute inflammation on baroreflex-controlled sympathetic arterial pressure regulation. PLoS ONE, 2018, 13, e0190830. | 1.1 | 9 |
| 74 | Servo-Controlled Hind-Limb Electrical Stimulation for Short-Term Arterial Pressure Control. Circulation Journal, 2009, 73, 851-859. | 0.7 | 8 |
| 75 | Acute effects of arterial baroreflex on sympathetic nerve activity and plasma norepinephrine concentration. Autonomic Neuroscience: Basic and Clinical, 2014, 186, 62-68. | 1.4 | 8 |
| 76 | Acute effects of intravenous nifedipine or azelnidipine on open-loop baroreflex static characteristics in rats. Life Sciences, 2015, 126, 37-41. | 2.0 | 8 |
| 77 | Nonlinear identification of the total baroreflex arc: chronic hypertension model. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R819-R827. | 0.9 | 8 |
| 78 | Acute arterial baroreflexâ€mediated changes in plasma catecholamine concentrations in a chronic rat model of myocardial infarction. Physiological Reports, 2016, 4, e12880. | 0.7 | 8 |
| 79 | Linear and Nonlinear Analysis of the Carotid Sinus Baroreflex Dynamic Characteristics. Advanced Biomedical Engineering, 2019, 8, 110-123. | 0.4 | 8 |
| 80 | Sustained reduction in blood pressure from electrical activation of the baroreflex is mediated via the central pathway of unmyelinated baroreceptors. Life Sciences, 2014, 106, 40-49. | 2.0 | 7 |
| 81 | Medetomidine Suppresses Cardiac and Gastric Sympathetic Nerve Activities but Selectively Activates Cardiac Vagus Nerve. Circulation Journal, 2014, 78, 1405-1413. | 0.7 | 7 |
| 82 | Differences in the dynamic baroreflex characteristics of unmyelinated and myelinated central pathways are less evident in spontaneously hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1397-R1405. | 0.9 | 7 |
| 83 | Systematic understanding of acute effects of intravenous guanfacine on rat carotid sinus baroreflex-mediated sympathetic arterial pressure regulation. Life Sciences, 2016, 149, 72-78. | 2.0 | 7 |
| 84 | Acute ivabradine treatment reduces heart rate without increasing atrial fibrillation inducibility irrespective of underlying vagal activity in dogs. Heart and Vessels, 2017, 32, 484-494. | 0.5 | 7 |
| 85 | Open-loop analysis on sympathetically mediated arterial pressure and urine output responses in rats: effect of renal denervation. Journal of Physiological Sciences, 2020, 70, 32. | 0.9 | 7 |
| 86 | Septal Flash-like Motion of the Earlier Activated Ventricular Wall Represents the Pathophysiology of Mechanical Dyssynchrony in Single-Ventricle Anatomy. Journal of the American Society of Echocardiography, 2020, 33, 612-621.e2. | 1.2 | 7 |
| 87 | Intravenous Angiotensin II Does Not Affect Dynamic Baroreflex Characteristics of the Neural or Peripheral Arc. The Japanese Journal of Physiology, 2003, 53, 135-143. | 0.9 | 7 |
| 88 | Acute Effects of Vagotomy on Baroreflex Equilibrium Diagram in Rats with Chronic Heart Failure. Clinical Medicine Insights: Cardiology, 2016, 10, CMC.S38443. | 0.6 | 6 |
| 89 | Wave reflection correlates with pulmonary vascular wall thickening in rats with pulmonary arterial hypertension. International Journal of Cardiology, 2017, 249, 396-401. | 0.8 | 6 |
| 90 | Derangement of open-loop static and dynamic characteristics of the carotid sinus baroreflex in streptozotocin-induced type 1 diabetic rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R553-R567. | 0.9 | 6 |

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|---|---|---|---|
| 91 | Contrasting open-loop dynamic characteristics of sympathetic and vagal systems during baroreflex-mediated heart rate control in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R879-R890. | 0.9 | 6 |
| 92 | Closed-Loop Identification of Baroreflex Properties in the Frequency Domain. Frontiers in Neuroscience, 2021, 15, 694512. | 1.4 | 6 |
| 93 | Upright Tilt Resets Dynamic Transfer Function of Baroreflex Neural Arc to Minify the Pressure Disturbance in Total Baroreflex Control. Journal of Physiological Sciences, 2008, 58, 189-198. | 0.9 | 6 |
| 94 | Large conductance Ca2+-activated K+ channels inhibit vagal acetylcholine release at the rabbit sinoatrial node. Autonomic Neuroscience: Basic and Clinical, 2010, 156, 149-151. | 1.4 | 5 |
| 95 | Open-loop characteristics of the arterial baroreflex after blockade of unmyelinated baroreceptors with resiniferatoxin. Autonomic Neuroscience: Basic and Clinical, 2015, 193, 38-43. | 1.4 | 5 |
| 96 | Development of a servo pump system for in vivo loading of pathological pulmonary artery impedance on the right ventricle of normal rats. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H973-H983. | 1.5 | 5 |
| 97 | Intravenous ivabradine augments the dynamic heart rate response to moderate vagal nerve stimulation in anesthetized rats. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H597-H606. | 1.5 | 5 |
| 98 | Quantitative assessment of the central versus peripheral effect of intravenous clonidine using baroreflex equilibrium diagrams. Journal of Physiological Sciences, 2021, 71, 39. | 0.9 | 5 |
| 99 | Consideration on parameter determination of a new model describing dynamic vagal heart rate control in rats. , 2012, 2012, 3809-12. | | 4 |
| 100 | Reduced carotid baroreceptor distensibility-induced baroreflex resetting contributes to impairment of sodium regulation in rats fed a high-fat diet. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H942-H950. | 1.5 | 4 |
| 101 | Aortic depressor nerve stimulation does not impede the dynamic characteristics of the carotid sinus baroreflex in normotensive or spontaneously hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R787-R796. | 0.9 | 4 |
| 102 | Peripheral versus central effect of intravenous moxonidine on rat carotid sinus baroreflex-mediated sympathetic arterial pressure regulation. Life Sciences, 2017, 190, 103-109. | 2.0 | 4 |
| 103 | Effects of different input pressure waveforms on the carotid sinus baroreflex-mediated sympathetic arterial pressure response in rats. Journal of Applied Physiology, 2017, 123, 914-921. | 1.2 | 4 |
| 104 | Accentuated antagonism of vagal heart rate control and less potent prejunctional inhibition of vagal acetylcholine release during sympathetic nerve stimulation in the rat. Autonomic Neuroscience: Basic and Clinical, 2019, 218, 25-30. | 1.4 | 4 |
| 105 | Open-loop analysis on sympathetically mediated arterial pressure and urine output responses in spontaneously hypertensive rats: effect of renal denervation. Journal of Physiological Sciences, 2021, 71, 13. | 0.9 | 4 |
| 106 | Early donepezil monotherapy or combination with metoprolol significantly prevents subsequent chronic heart failure in rats with reperfused myocardial infarction. Journal of Physiological Sciences, 2022, 72, . | 0.9 | 4 |
| 107 | Contrasting effects of presynaptic Î±<sub>2</sub>-adrenergic autoinhibition and pharmacologic augmentation of presynaptic inhibition on sympathetic heart rate control. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1855-H1866. | 1.5 | 3 |
| 108 | Calibration of Baroreflex Equilibrium Diagram Based on Exogenous Pressor Agents in Chronic Heart Failure Rats. Clinical Medicine Insights: Cardiology, 2015, 9s1, CMC.S18759. | 0.6 | 3 |

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|---|---|---|---|
| 109 | Guanfacine enhances cardiac acetylcholine release with little effect on norepinephrine release in anesthetized rabbits. Autonomic Neuroscience: Basic and Clinical, 2015, 187, 84-87. | 1.4 | 3 |
| 110 | Tonic aortic depressor nerve stimulation does not impede baroreflex dynamic characteristics concomitantly mediated by the stimulated nerve. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R459-R467. | 0.9 | 3 |
| 111 | Central activation of cardiac vagal nerve by Î±2-adrenergic stimulation is impaired in streptozotocin-induced type 1 diabetic rats. Autonomic Neuroscience: Basic and Clinical, 2019, 216, 39-45. | 1.4 | 3 |
| 112 | Impact of delayed ventricular wall area ratio on pathophysiology of mechanical dyssynchrony: implication from single-ventricle physiology and 0D modeling. Journal of Physiological Sciences, 2020, 70, 38. | 0.9 | 3 |
| 113 | Contribution of afferent pathway to vagal nerve stimulation-induced myocardial interstitial acetylcholine release in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R517-R525. | 0.9 | 3 |
| 114 | Angiotensin II inhibition increases diuresis during acute sympathetic activation in intact and denervated kidneys in rats with chronic myocardial infarction. Heart and Vessels, 2022, 37, 1636-1646. | 0.5 | 3 |
| 115 | Consideration on step duration to assess open-loop static characteristics of the carotid sinus baroreflex in rats. , 2011, 2011, 689-92. | | 2 |
| 116 | Desipramine increases cardiac parasympathetic activity via Î± 2 -adrenergic mechanism in rats. Autonomic Neuroscience: Basic and Clinical, 2017, 205, 21-25. | 1.4 | 2 |
| 117 | Cardiac vagal control in a knock-in mouse model of dilated cardiomyopathy with a troponin mutation. Autonomic Neuroscience: Basic and Clinical, 2017, 205, 33-40. | 1.4 | 2 |
| 118 | Acute effects of intravenous carvedilol versus metoprolol on baroreflex-mediated sympathetic circulatory regulation in rats. International Journal of Cardiology, 2019, 285, 65-71. | 0.8 | 2 |
| 119 | Even weak vasoconstriction from rilmenidine can be unmasked in vivo by opening the baroreflex feedback loop. Life Sciences, 2019, 219, 144-151. | 2.0 | 2 |
| 120 | Diabetes mellitus attenuates the pressure response against hypotensive stress by impairing the sympathetic regulation of the baroreflex afferent arc. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H35-H44. | 1.5 | 2 |
| 121 | Ivabradine augments high-frequency dynamic gain of the heart rate response to low- and moderate-intensity vagal nerve stimulation under Î²-blockade. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H2201-H2210. | 1.5 | 2 |
| 122 | Effects of L-type Ca<sup>2+</sup> channel blocker nifedipine on dynamic arterial blood pressure control. , 2013, 2013, 3805-8. | | 1 |
| 123 | The pulsatile component of left atrial pressure has little effect on pulmonary artery impedance estimation in normal rats. Physiological Reports, 2018, 6, e13946. | 0.7 | 1 |
| 124 | Threshold and saturation pressures of baroreflex-mediated myocardial interstitial acetylcholine release in rats. Autonomic Neuroscience: Basic and Clinical, 2020, 225, 102657. | 1.4 | 1 |
| 125 | Development of an automated closed-loop Î²-blocker delivery system to stably reduce myocardial oxygen consumption without inducing circulatory collapse in a canine heart failure model: a proof of concept study. Journal of Clinical Monitoring and Computing, 2021, , 1. | 0.7 | 1 |
| 126 | Ivabradine increases the high frequency gain ratio in the vagal heart rate transfer function via an interaction with muscarinic potassium channels. Physiological Reports, 2021, 9, e15134. | 0.7 | 1 |