

# James Todd Pearson

## List of Publications by Year in descending order

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126  
papers

2,635  
citations

201575

27  
h-index

254106

43  
g-index

130  
all docs

130  
docs citations

130  
times ranked

4254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromedin U has a novel anorexigenic effect independent of the leptin signaling pathway. <i>Nature Medicine</i> , 2004, 10, 1067-1073.	15.2	191
2	Cardiogenic Genes Expressed in Cardiac Fibroblasts Contribute to Heart Development and Repair. <i>Circulation Research</i> , 2014, 114, 1422-1434.	2.0	188
3	Importance of Tissue Preparation Methods in FTIR Micro-Spectroscopical Analysis of Biological Tissues: "Traps for New Users"™. <i>PLoS ONE</i> , 2015, 10, e0116491.	1.1	102
4	Developmental Programming of Cardiovascular Disease Following Intrauterine Growth Restriction: Findings Utilising A Rat Model of Maternal Protein Restriction. <i>Nutrients</i> , 2015, 7, 119-152.	1.7	70
5	Synchrotron Radiation Imaging for Advancing Our Understanding of Cardiovascular Function. <i>Circulation Research</i> , 2013, 112, 209-221.	2.0	63
6	Functional and Electrical Integration of Induced Pluripotent Stem Cell-Derived Cardiomyocytes in a Myocardial Infarction Rat Heart. <i>Cell Transplantation</i> , 2015, 24, 2479-2489.	1.2	58
7	Increase in pulmonary blood flow at birth: role of oxygen and lung aeration. <i>Journal of Physiology</i> , 2016, 594, 1389-1398.	1.3	55
8	Imaging of the pulmonary circulation in the closed-chest rat using synchrotron radiation microangiography. <i>Journal of Applied Physiology</i> , 2007, 102, 787-793.	1.2	54
9	Azilsartan ameliorates diabetic cardiomyopathy in young db/db mice through the modulation of ACE-2/ANG 1-7/Mas receptor cascade. <i>Biochemical Pharmacology</i> , 2017, 144, 90-99.	2.0	51
10	Contractile apparatus dysfunction early in the pathophysiology of diabetic cardiomyopathy. <i>World Journal of Diabetes</i> , 2015, 6, 943.	1.3	50
11	Exercise mediated protection of diabetic heart through modulation of microRNA mediated molecular pathways. <i>Cardiovascular Diabetology</i> , 2017, 16, 10.	2.7	46
12	Cell-sheet Therapy With Omentopexy Promotes Arteriogenesis and Improves Coronary Circulation Physiology in Failing Heart. <i>Molecular Therapy</i> , 2015, 23, 374-386.	3.7	43
13	Ventilation/perfusion mismatch during lung aeration at birth. <i>Journal of Applied Physiology</i> , 2014, 117, 535-543.	1.2	41
14	Development of heart rate irregularities in chick embryos. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H527-H533.	1.5	38
15	Dynamic Synchrotron Imaging of Diabetic Rat Coronary Microcirculation In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 370-377.	1.1	37
16	Exercise Regulates MicroRNAs to Preserve Coronary and Cardiac Function in the Diabetic Heart. <i>Circulation Research</i> , 2020, 127, 1384-1400.	2.0	37
17	Long-term measurement of heart rate in chicken eggs. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 1999, 124, 483-490.	0.8	36
18	Non-invasive determination of instantaneous heart rate in developing avian embryos by means of acoustocardiogram. <i>Medical and Biological Engineering and Computing</i> , 1997, 35, 323-327.	1.6	35

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19	Cardiac Ischemia Activates Vascular Endothelial Cadherin Promoter in Both Preexisting Vascular Cells and Bone Marrow Cells Involved in Neovascularization. <i>Circulation Research</i> , 2006, 98, 897-904.	2.0	35
20	Interleukin-1 Receptor Antagonist Protects Newborn Mice Against Pulmonary Hypertension. <i>Frontiers in Immunology</i> , 2019, 10, 1480.	2.2	35
21	Cardiac rhythms in developing chicks. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 1999, 124, 461-468.	0.8	34
22	Acute Rho-kinase inhibition improves coronary dysfunction in vivo, in the early diabetic microcirculation. <i>Cardiovascular Diabetology</i> , 2013, 12, 111.	2.7	33
23	Changes in macrovessel pulmonary blood flow distribution following chronic hypoxia: assessed using synchrotron radiation microangiography. <i>Journal of Applied Physiology</i> , 2008, 104, 88-96.	1.2	31
24	SYNCHROTRON-BASED ANGIOGRAPHY FOR INVESTIGATION OF THE REGULATION OF VASOMOTOR FUNCTION IN THE MICROCIRCULATION IN VIVO. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 107-116.	0.9	31
25	Role of Rho-kinase signaling and endothelial dysfunction in modulating blood flow distribution in pulmonary hypertension. <i>Journal of Applied Physiology</i> , 2011, 110, 901-908.	1.2	31
26	Developmental patterns of O <sub>2</sub> consumption, heart rate and O <sub>2</sub> pulse in unturned eggs. <i>Respiration Physiology</i> , 1996, 103, 83-87.	2.8	30
27	Changes in functional and histological distributions of nitric oxide synthase caused by chronic hypoxia in rat small pulmonary arteries. <i>British Journal of Pharmacology</i> , 2003, 139, 899-910.	2.7	30
28	Effects of Sustained Length-Dependent Activation on In Situ Cross-Bridge Dynamics in Rat Hearts. <i>Biophysical Journal</i> , 2007, 93, 4319-4329.	0.2	28
29	Cardiac rhythms in chick embryos during hatching. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 1999, 124, 511-521.	0.8	27
30	Imaging of the closed-chest mouse pulmonary circulation using synchrotron radiation microangiography. <i>Journal of Applied Physiology</i> , 2011, 111, 75-80.	1.2	27
31	Vascular geometry and oxygen diffusion in the vicinity of artery-vein pairs in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F1111-F1122.	1.3	27
32	Diastolic dysfunction is initiated by cardiomyocyte impairment ahead of endothelial dysfunction due to increased oxidative stress and inflammation in an experimental prediabetes model. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 137, 119-131.	0.9	27
33	Early Detection of Ventilation-Induced Brain Injury Using Magnetic Resonance Spectroscopy and Diffusion Tensor Imaging: An In Vivo Study in Preterm Lambs. <i>PLoS ONE</i> , 2014, 9, e95804.	1.1	27
34	Development of an X-ray real-time stereo imaging technique using synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 569-574.	1.0	26
35	Pulmonary vascular tone is dependent on the central modulation of sympathetic nerve activity following chronic intermittent hypoxia. <i>Basic Research in Cardiology</i> , 2014, 109, 432.	2.5	25
36	A novel conditional mouse model for Nkx2-5 reveals transcriptional regulation of cardiac ion channels. <i>Differentiation</i> , 2016, 91, 29-41.	1.0	25

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37	Liraglutide treatment improves the coronary microcirculation in insulin resistant Zucker obese rats on a high salt diet. <i>Cardiovascular Diabetology</i> , 2020, 19, 24.	2.7	24
38	Aryl hydrocarbon receptor is essential for the pathogenesis of pulmonary arterial hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
39	Point mutations in murine Nkx2-5 phenocopy human congenital heart disease and induce pathogenic Wnt signaling. <i>JCI Insight</i> , 2017, 2, e88271.	2.3	24
40	Insufflation of Hydrogen Gas Restrains the Inflammatory Response of Cardiopulmonary Bypass in a Rat Model. <i>Artificial Organs</i> , 2013, 37, 136-141.	1.0	23
41	Hyperoxic Condition Promotes an Inflammatory Response During Cardiopulmonary Bypass in a Rat Model. <i>Artificial Organs</i> , 2013, 37, 1034-1040.	1.0	23
42	In Situ Measurements of Crossbridge Dynamics and Lattice Spacing in Rat Hearts by X-Ray Diffraction. <i>Circulation</i> , 2004, 109, 2976-2979.	1.6	22
43	Contrast angiography of the rat renal microcirculation in vivo using synchrotron radiation. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F1023-F1031.	1.3	22
44	Widespread Coronary Dysfunction in the Absence of HDL Receptor SR-B1 in an Ischemic Cardiomyopathy Mouse Model. <i>Scientific Reports</i> , 2017, 7, 18108.	1.6	20
45	Treadmill running improves hindlimb arteriolar endothelial function in type 1 diabetic mice as visualized by X-ray microangiography. <i>Cardiovascular Diabetology</i> , 2015, 14, 51.	2.7	19
46	Microvascular leakage in acute myocardial infarction: characterization by histology, biochemistry, and magnetic resonance imaging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1068-H1075.	1.5	19
47	Drinking by amphibious fish: convergent evolution of thirst mechanisms during vertebrate terrestrialization. <i>Scientific Reports</i> , 2018, 8, 625.	1.6	19
48	Effects of pre-incubation egg storage on embryonic functions and growth. <i>Respiration Physiology</i> , 1996, 103, 89-98.	2.8	18
49	Chronic intermittent hypoxia accelerates coronary microcirculatory dysfunction in insulin-resistant Goto-Kakizaki rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R426-R439.	0.9	18
50	Vagal denervation inhibits the increase in pulmonary blood flow during partial lung aeration at birth. <i>Journal of Physiology</i> , 2017, 595, 1593-1606.	1.3	18
51	Pulmonary Macrophages Attenuate Hypoxic Pulmonary Vasoconstriction via $\hat{1}^2$ 3AR/iNOS Pathway in Rats Exposed to Chronic Intermittent Hypoxia. <i>PLoS ONE</i> , 2015, 10, e0131923.	1.1	17
52	Diffusive shunting of gases and other molecules in the renal vasculature: physiological and evolutionary significance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R797-R810.	0.9	17
53	Activation of the cardiac non-neuronal cholinergic system prevents the development of diabetes-associated cardiovascular complications. <i>Cardiovascular Diabetology</i> , 2021, 20, 50.	2.7	17
54	Developmental allometry of pulmonary structure and function in the altricial Australian pelican <i>Pelecanus conspicillatus</i> . <i>Journal of Experimental Biology</i> , 2004, 207, 2663-2669.	0.8	16

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55	Exogenous ghrelin improves blood flow distribution in pulmonary hypertension assessed using synchrotron radiation microangiography. <i>Pflugers Archiv European Journal of Physiology</i> , 2011, 462, 397-406.	1.3	16
56	Myosin Heads Are Displaced from Actin Filaments in the In Situ Beating Rat Heart in Early Diabetes. <i>Biophysical Journal</i> , 2013, 104, 1065-1072.	0.2	16
57	Influence of coronary architecture on the variability in myocardial infarction induced by coronary ligation in rats. <i>PLoS ONE</i> , 2017, 12, e0183323.	1.1	16
58	Ghrelin Pre-treatment Attenuates Local Oxidative Stress and End Organ Damage During Cardiopulmonary Bypass in Anesthetized Rats. <i>Frontiers in Physiology</i> , 2018, 9, 196.	1.3	16
59	Functional relevance of genetic variations of endothelial nitric oxide synthase and vascular endothelial growth factor in diabetic coronary microvessel dysfunction. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 253-261.	0.9	15
60	Myocardial interstitial levels of serotonin and its major metabolite 5-hydroxyindole acetic acid during ischemia-reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H60-H67.	1.5	15
61	Ontogeny of heart rate in embryonic and nestling crows ( <i>Corvus corone</i> and <i>Corvus macrorhynchos</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> 256-262.	0.7	14
62	Chronic Rho-kinase inhibition improves left ventricular contractile dysfunction in early type-1 diabetes by increasing myosin cross-bridge extension. <i>Cardiovascular Diabetology</i> , 2015, 14, 92.	2.7	14
63	Lung hypoplasia in newborn rabbits with a diaphragmatic hernia affects pulmonary ventilation but not perfusion. <i>Pediatric Research</i> , 2017, 82, 536-543.	1.1	14
64	Cooperative action of APJ and $\alpha$ 1A-adrenergic receptor in vascular smooth muscle cells induces vasoconstriction. <i>Journal of Biochemistry</i> , 2019, 166, 383-392.	0.9	14
65	Liraglutide Improves Renal Endothelial Function in Obese Zucker Rats on a High-Salt Diet. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 369, 375-388.	1.3	14
66	Type 2 immune polarization is associated with cardiopulmonary disease in preterm infants. <i>Science Translational Medicine</i> , 2022, 14, eaaz8454.	5.8	14
67	Development of cardiac rhythms in altricial avian embryos. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 1999, 124, 475-482.	0.8	13
68	Evidence of altered biochemical composition in the hearts of adult intrauterine growth-restricted rats. <i>European Journal of Nutrition</i> , 2013, 52, 749-758.	1.8	13
69	A Comparative Study of Cerebral Microcirculation During Pulsatile and Nonpulsatile Selective Cerebral Perfusion. <i>ASAIO Journal</i> , 2013, 59, 374-379.	0.9	13
70	An allometric study of lung morphology during development in the Australian pelican, <i>Pelicanus conspicillatus</i> , from embryo to adult. <i>Journal of Anatomy</i> , 2005, 207, 365-380.	0.9	11
71	Long-term monitoring of pulmonary arterial pressure in conscious, unrestrained mice. <i>Journal of Pharmacological and Toxicological Methods</i> , 2006, 53, 277-283.	0.3	11
72	Elevated vascular resistance and afterload reduce the cardiac output response to dobutamine in early growth-restricted rats in adulthood. <i>British Journal of Nutrition</i> , 2011, 106, 1374-1382.	1.2	11

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73	Technical Note: Contrast free angiography of the pulmonary vasculature in live mice using a laboratory x-ray source. <i>Medical Physics</i> , 2016, 43, 6017-6023.	1.6	11
74	Micro-computed tomographic analysis of the radial geometry of intrarenal artery-vein pairs in rats and rabbits: Comparison with light microscopy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 1241-1253.	0.9	11
75	Metformin intervention prevents cardiac dysfunction in a murine model of adult congenital heart disease. <i>Molecular Metabolism</i> , 2019, 20, 102-114.	3.0	11
76	Oxygen consumption rates of adults and chicks during brooding in king quail ( <i>Coturnix chinensis</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994, 164, 415-424.	0.7	10
77	Changes in pulmonary blood flow distribution in monocrotaline compared with hypoxia-induced models of pulmonary hypertension: assessed using synchrotron radiation. <i>Journal of Hypertension</i> , 2009, 27, 1410-1419.	0.3	10
78	$\beta_2$ -Adrenergic Receptor-Dependent Attenuation of Hypoxic Pulmonary Vasoconstriction Prevents Progression of Pulmonary Arterial Hypertension in Intermittent Hypoxic Rats. <i>PLoS ONE</i> , 2014, 9, e110693.	1.1	9
79	Ghrelin, MicroRNAs, and Critical Limb Ischemia: Hungering for a Novel Treatment Option. <i>Frontiers in Endocrinology</i> , 2017, 8, 350.	1.5	9
80	Ghrelin Preserves Ischemia-Induced Vasodilation of Male Rat Coronary Vessels Following $\beta_2$ -Adrenergic Receptor Blockade. <i>Endocrinology</i> , 2018, 159, 1763-1773.	1.4	9
81	Progressive Decrease in Coronary Vascular Function Associated With Type 2 Diabetic Heart Disease. <i>Frontiers in Physiology</i> , 2018, 9, 696.	1.3	9
82	Respiration and energetics of embryonic development in a large altricial bird, the Australian pelican ( <i>Pelecanus conspicillatus</i> ). <i>Journal of Experimental Biology</i> , 2002, 205, 2925-2933.	0.8	9
83	Does central nitric oxide chronically modulate the acute hypoxic ventilatory response in conscious rats?. <i>Acta Physiologica</i> , 2006, 186, 309-318.	1.8	8
84	$\beta_2$ -Adrenoreceptor mediated sympathoinhibition of heart rate during acute hypoxia is diminished in conscious prostacyclin synthase deficient mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 454, 29-39.	1.3	8
85	Three-dimensional morphometric analysis of the renal vasculature. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, F715-F725.	1.3	8
86	Dysregulation of ghrelin in diabetes impairs the vascular reparative response to hindlimb ischemia in a mouse model; clinical relevance to peripheral artery disease. <i>Scientific Reports</i> , 2020, 10, 13651.	1.6	8
87	Respiration and energetics of embryonic development in a large altricial bird, the Australian pelican ( <i>Pelecanus conspicillatus</i> ). <i>Journal of Experimental Biology</i> , 2002, 205, 2925-33.	0.8	8
88	Ballistocardiogram of avian eggs determined by an electromagnetic induction coil. <i>Medical and Biological Engineering and Computing</i> , 1997, 35, 431-435.	1.6	7
89	When early life growth restriction in rats is followed by attenuated postnatal growth: effects on cardiac function in adulthood. <i>European Journal of Nutrition</i> , 2015, 54, 743-750.	1.8	7
90	Analysis of the microvascular morphology and hemodynamics of breast cancer in mice using Spring-8 synchrotron radiation microangiography. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 1039-1047.	1.0	7

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91	Serotonin uptake via plasma membrane monoamine transporter during myocardial ischemiaâ€reperfusion in the rat heart in vivo. <i>Physiological Reports</i> , 2019, 7, e14297.	0.7	7
92	Ghrelin and vascular protection. <i>Vascular Biology (Bristol, England)</i> , 2019, 1, H97-H102.	1.2	7
93	Exogenous nitric oxide centrally enhances pulmonary reactivity in the normal and hypertensive rat. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 952-959.	0.9	6
94	Does central nitric oxide elicit pulmonary hypertension in conscious rats?. <i>Respiratory Physiology and Neurobiology</i> , 2006, 153, 250-260.	0.7	6
95	PULMONARY VASCULAR REACTIVITY OF SPONTANEOUSLY HYPERTENSIVE RATS IS EXACERBATED IN RESPONSE TO THE CENTRAL ADMINISTRATION OF EXOGENOUS NITRIC OXIDE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 88-94.	0.9	5
96	Benefits of Synchrotron Microangiography for Dynamic Studies of Smooth Muscle and Endothelial Roles in the Pathophysiology of Vascular Disease. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	5
97	Diffusion tensor imaging detects ventilation-induced brain injury in preterm lambs. <i>PLoS ONE</i> , 2017, 12, e0188737.	1.1	5
98	Evaluation of right coronary vascular dysfunction in severe pulmonary hypertensive rats using synchrotron radiation microangiography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1021-H1036.	1.5	5
99	Effect of age on the vascular proteome in middle cerebral arteries and mesenteric resistance arteries in mice. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111594.	2.2	5
100	Endothelial Natriuretic Peptide Receptor 1 Play Crucial Role for Acute and Chronic Blood Pressure Regulation by Atrial Natriuretic Peptide. <i>Hypertension</i> , 2022, 79, 1409-1422.	1.3	5
101	Development of synchrotron radiation x-ray intravital microscopy for in vivo imaging of rat heart vascular function. , 2011, 2011, 7791-4.		4
102	Impaired pulmonary blood flow distribution in congestive heart failure assessed using synchrotron radiation microangiography. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 441-448.	1.0	4
103	Accentuated antagonism of vagal heart rate control and less potent prejunctional inhibition of vagal acetylcholine release during sympathetic nerve stimulation in the rat. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 218, 25-30.	1.4	4
104	Increased peak end-expiratory pressure in ventilated preterm lambs changes cerebral microvascular perfusion: direct synchrotron microangiography assessment. <i>Journal of Applied Physiology</i> , 2020, 129, 1075-1084.	1.2	4
105	Exogenous ghrelin accentuates the acute hypoxic ventilatory response after two weeks of chronic hypoxia in conscious rats. <i>Acta Physiologica</i> , 2010, 200, 279-287.	1.8	3
106	Changes in inflammatory response during and after cardiopulmonary bypass using a rat extracorporeal circulation model. , 2015, 2015, 957-60.		3
107	Diffusion Tensor Imaging Colour Mapping Threshold for Identification of Ventilation-Induced Brain Injury after Intrauterine Inflammation in Preterm Lambs. <i>Frontiers in Pediatrics</i> , 2017, 5, 70.	0.9	3
108	Central activation of cardiac vagal nerve by $\hat{1}\pm 2$ -adrenergic stimulation is impaired in streptozotocin-induced type 1 diabetic rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019, 216, 39-45.	1.4	3



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109	$\beta$ -blockade prevents coronary macro- and microvascular dysfunction induced by a high salt diet and insulin resistance in the Goto-Kakizaki rat. <i>Clinical Science</i> , 2021, 135, 327-346.	1.8	3
110	Contribution of afferent pathway to vagal nerve stimulation-induced myocardial interstitial acetylcholine release in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R517-R525.	0.9	3
111	Energetics of embryonic development in the cockatiel ( <i>Nymphicus hollandicus</i> ) and the king quail ( <i>Coturnix chinensis</i> ). <i>Australian Journal of Zoology</i> , 1999, 47, 565.	0.6	2
112	Cardiac responses to hypoxia and reoxygenation in <i>Drosophila</i> . New insights into evolutionarily conserved gene responses. Focus on Cardiac responses to hypoxia and reoxygenation in <i>Drosophila</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1344-R1346.	0.9	2
113	Cardiac vagal control in a knock-in mouse model of dilated cardiomyopathy with a troponin mutation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 205, 33-40.	1.4	2
114	INTRODUCTION. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 84-87.	0.9	1
115	Assessment of the serotonin pathway as a therapeutic target for pulmonary hypertension. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 756-764.	1.0	1
116	Threshold and saturation pressures of baroreflex-mediated myocardial interstitial acetylcholine release in rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2020, 225, 102657.	1.4	1
117	Carrier-mediated serotonin efflux induced by pharmacological anoxia in the rat heart in vivo. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 1685-1692.	0.9	1
118	Cerebral haemodynamic response to somatosensory stimulation in preterm lambs and 7-10-day old lambs born at term: Direct synchrotron microangiography assessment. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, , 0271678X2110458.	2.4	1
119	Biomedical Micro-CT and Micro-angiography Systems Using High Megapixel Digital Single-lens Reflex Cameras and Synchrotron Radiation. , 2020, , .		1
120	Increased contribution of K <sub>Ca</sub> channels to muscle contraction induced vascular and blood flow responses in sedentary and exercise trained ZFDM rats. <i>Journal of Physiology</i> , 2022, , .	1.3	1
121	Rat coronary microangiography system for preclinical imaging using synchrotron radiation. , 2013, , .		0
122	Beyond proof of concepts for ideal cardiac regenerative therapy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 964-965.	0.4	0
123	Synchrotron Radiation Intravital Microscopy for Preclinical Imaging in Rat and Mouse Hearts. <i>Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers</i> , 2013, 67, J323-J325.	0.0	0
124	Investigating In Vivo Myocardial and Coronary Molecular Pathophysiology in Mice with X-Ray Radiation Imaging Approaches. , 2020, , 147-162.		0
125	Evaluation of Hindlimb Arteriolar Vasodilation Evoked by Dynamic Muscle Contraction in Goto-Kakizaki Rats Using in vivo X-ray Microangiography. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
126	Using Synchrotron Radiation Imaging Techniques to Elucidate the Actions of Hexarelin in the Heart of Small Animal Models. <i>Frontiers in Physiology</i> , 2021, 12, 766818.	1.3	0