

Christopher Charles

List of Publications by Year in descending order

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107
papers

2,276
citations

186265

28
h-index

265206

42
g-index

107
all docs

107
docs citations

107
times ranked

2051
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac mesh morphing method for finite element modeling of heart failure with preserved ejection fraction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104937.	3.1	5
2	Identifying Candidate Protein Markers of Acute Kidney Injury in Acute Decompensated Heart Failure. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1009.	4.1	0
3	A novel coating method to reduce membrane infolding through pre-crimping of covered stents – Computational and experimental evaluation. <i>Computers in Biology and Medicine</i> , 2022, 145, 105524.	7.0	2
4	Safety, pharmacokinetics and tissue penetration of PIPAC paclitaxel in a swine model. <i>European Journal of Surgical Oncology</i> , 2021, 47, 1124-1131.	1.0	8
5	Acute Decompensated Heart Failure and the Kidney: Physiological, Histological and Transcriptomic Responses to Development and Recovery. <i>Journal of the American Heart Association</i> , 2021, 10, e021312.	3.7	8
6	A porcine model of heart failure with preserved ejection fraction: magnetic resonance imaging and metabolic energetics. <i>ESC Heart Failure</i> , 2020, 7, 93-103.	3.1	29
7	Cardiovascular effects of DWORF (dwarf open reading frame) peptide in normal and ischaemia/reperfused isolated rat hearts. <i>Peptides</i> , 2020, 124, 170192.	2.4	5
8	Large Animal Models of Heart Failure: Reduced vs. Preserved Ejection Fraction. <i>Animals</i> , 2020, 10, 1906.	2.3	11
9	Hemodynamic, Hormonal, and Renal Actions of Phosphodiesterase-9 Inhibition in Experimental Heart Failure. <i>Journal of the American College of Cardiology</i> , 2019, 74, 889-901.	2.8	23
10	Extracellular Vesicles in Cardiovascular Diseases: Alternative Biomarker Sources, Therapeutic Agents, and Drug Delivery Carriers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3272.	4.1	81
11	Optimization of a Novel Preferential Covered Stent through Bench Experiments and in Vitro Platelet Activation Studies. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6216-6230.	5.2	1
12	Adrenomedullin 2 increases cardiac sympathetic nerve activity in parallel to heart rate in normal conscious sheep. <i>Physiological Reports</i> , 2019, 7, e14096.	1.7	1
13	Systemic angiotensin II does not increase cardiac sympathetic nerve activity in normal conscious sheep. <i>Bioscience Reports</i> , 2018, 38, .	2.4	1
14	Identification of novel microRNAs in the sheep heart and their regulation in heart failure. <i>Scientific Reports</i> , 2017, 7, 8250.	3.3	23
15	(Pro)renin Receptor Blockade Ameliorates Cardiac Injury and Remodeling and Improves Function After Myocardial Infarction. <i>Journal of Cardiac Failure</i> , 2016, 22, 64-72.	1.7	18
16	Human muscle sympathetic nerve responses to urocortin-2 in health and stable heart failure. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 888-895.	1.9	4
17	Urocortin 2 protects heart and kidney structure and function in an ovine model of acute decompensated heart failure: Comparison with dobutamine. <i>International Journal of Cardiology</i> , 2015, 197, 56-65.	1.7	16
18	Thoracic impedance measures tissue characteristics in the vicinity of the electrodes, not intervening lung water: implications for heart failure monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2015, 29, 65-76.	1.6	7

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19	Low-dose B-type natriuretic peptide raises cardiac sympathetic nerve activity in sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R206-R211.	1.8	3
20	Sheep for the study of the urocortins and other hormones. <i>Cardiovascular Endocrinology</i> , 2014, 3, 39-43.	0.8	1
21	Integrated microscopy techniques for comprehensive pathology evaluation of an implantable left atrial pressure sensor. <i>Journal of Histotechnology</i> , 2013, 36, 17-24.	0.5	10
22	Interactions of Enhanced Urocortin 2 and Mineralocorticoid Receptor Antagonism in Experimental Heart Failure. <i>Circulation: Heart Failure</i> , 2013, 6, 825-832.	3.9	10
23	Comparative Pathology of an Implantable Left Atrial Pressure Sensor. <i>ASAIO Journal</i> , 2013, 59, 486-492.	1.6	2
24	Hemodynamic, Hormonal, and Renal Effects of (Pro)Renin Receptor Blockade in Experimental Heart Failure. <i>Circulation: Heart Failure</i> , 2012, 5, 645-652.	3.9	12
25	Haemodynamic, endocrine and renal actions of adrenomedullin 5 in an ovine model of heart failure. <i>Clinical Science</i> , 2012, 122, 429-437.	4.3	8
26	Comparative pharmacokinetics and pharmacodynamics of urocortins 1, 2 and 3 in healthy sheep. <i>British Journal of Pharmacology</i> , 2012, 166, 1916-1925.	5.4	16
27	Update on apelin peptides as putative targets for cardiovascular drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2011, 6, 633-644.	5.0	8
28	Urocortin 3 Inhibits Cardiac Sympathetic Nerve Activity in Conscious Sheep. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 418-423.	1.9	8
29	Urocortin 2 sustains haemodynamic and renal function during introduction of beta-blockade in experimental heart failure. <i>Journal of Hypertension</i> , 2011, 29, 1787-1795.	0.5	16
30	Hemodynamic, Hormonal, and Renal Actions of Adrenomedullin-5 in Normal Conscious Sheep. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 25-31.	1.9	3
31	Adrenomedullins: Therapeutic Potential in Cardiovascular Disease. <i>Current Hypertension Reviews</i> , 2011, 7, 284-291.	0.9	0
32	Monitoring of heart failure: comparison of left atrial pressure with intrathoracic impedance and natriuretic peptide measurements in an experimental model of ovine heart failure. <i>Clinical Science</i> , 2011, 120, 207-217.	4.3	10
33	Prolonged Urocortin 2 Administration in Experimental Heart Failure. <i>Hypertension</i> , 2011, 57, 1136-1144.	2.7	37
34	Urocortin 2 induces potent long-lasting inhibition of cardiac sympathetic drive despite baroreflex activation in conscious sheep. <i>Journal of Endocrinology</i> , 2010, 204, 181-189.	2.6	17
35	Adrenomedullin 2 attenuates the pressor but not adrenal responses to angiotensin II in conscious sheep. <i>Peptides</i> , 2010, 31, 878-882.	2.4	3
36	Urocortin 2 Inhibits Furosemide-Induced Activation of Renin and Enhances Renal Function and Diuretic Responsiveness in Experimental Heart Failure. <i>Circulation: Heart Failure</i> , 2009, 2, 532-540.	3.9	22

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37	Skeletal contributions to plasma CNP forms: Evidence from regional sampling in growing lambs. <i>Peptides</i> , 2009, 30, 2343-2347.	2.4	17
38	The apelin peptides as putative targets in cardiovascular drug discovery and development. <i>Expert Opinion on Drug Discovery</i> , 2008, 3, 51-64.	5.0	3
39	Hemodynamic, Hormonal, and Renal Actions of Adrenomedullin 2 in Experimental Heart Failure. <i>Circulation: Heart Failure</i> , 2008, 1, 134-142.	3.9	11
40	Identification and biological activity of ovine and caprine calcitonin receptor-stimulating peptides 1 and 2. <i>Journal of Endocrinology</i> , 2008, 198, 429-437.	2.6	2
41	Urocortin 2 combined with angiotensin-converting enzyme inhibition in experimental heart failure. <i>Clinical Science</i> , 2008, 114, 635-642.	4.3	24
42	Urocortin 1 exhibits potent inhibition of cardiac sympathetic nerve activity in conscious sheep. <i>Journal of Hypertension</i> , 2008, 26, 53-60.	0.5	14
43	Urocortin 1 administration from onset of rapid left ventricular pacing represses progression to overt heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1536-H1544.	3.2	27
44	Treatment of <i>Staphylococcus epidermidis</i> central vascular catheter infection with 70% ethanol locks: efficacy in a sheep model. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 779-782.	3.0	12
45	Cardiac sympathetic nerve activity and ventricular fibrillation during acute myocardial infarction in a conscious sheep model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H433-H439.	3.2	34
46	Urocortin 1 modulates the neurohumoral response to acute nitroprusside-induced hypotension in sheep. <i>Clinical Science</i> , 2007, 112, 485-491.	4.3	0
47	Putative Role for Apelin in Pressure/Volume Homeostasis and Cardiovascular Disease. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2007, 5, 1-10.	1.0	40
48	Regional sampling and the effects of experimental heart failure in sheep: Differential responses in A, B and C-type natriuretic peptides. <i>Peptides</i> , 2006, 27, 62-68.	2.4	26
49	Plasma urocortin 1 in sheep: Regional sampling and effects of experimental heart failure. <i>Peptides</i> , 2006, 27, 1801-1805.	2.4	19
50	Urocortin 3: haemodynamic, hormonal, and renal effects in experimental heart failure. <i>European Heart Journal</i> , 2006, 27, 2088-2098.	2.2	44
51	Hemodynamic, Hormonal, and Renal Actions of Adrenomedullin-2 in Normal Conscious Sheep. <i>Endocrinology</i> , 2006, 147, 1871-1877.	2.8	33
52	Apelin-13 induces a biphasic haemodynamic response and hormonal activation in normal conscious sheep. <i>Journal of Endocrinology</i> , 2006, 189, 701-710.	2.6	55
53	Four-day urocortin-I administration has sustained beneficial haemodynamic, hormonal, and renal effects in experimental heart failure. <i>European Heart Journal</i> , 2005, 26, 2055-2062.	2.2	45
54	Increased cardiac sympathetic nerve activity following acute myocardial infarction in a sheep model. <i>Journal of Physiology</i> , 2005, 565, 325-333.	2.9	76

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55	Adrenomedullin in heart failure: potential therapeutic implications. <i>Future Cardiology</i> , 2005, 1, 235-243.	1.2	3
56	Integrated Hemodynamic, Hormonal, and Renal Actions of Urocortin 2 in Normal and Paced Sheep. <i>Circulation</i> , 2005, 112, 3624-3632.	1.6	90
57	Adrenomedullin increases cardiac sympathetic nerve activity in normal conscious sheep. <i>Journal of Endocrinology</i> , 2005, 187, 275-281.	2.6	7
58	Endogenous urocortins reduce vascular tone and renin-aldosterone/endothelin activity in experimental heart failure. <i>European Heart Journal</i> , 2005, 26, 2046-2054.	2.2	45
59	Urotensin II: Evidence for cardiac, hepatic and renal production. <i>Peptides</i> , 2005, 26, 2211-2214.	2.4	49
60	Urocortins: Putative Role in Cardiovascular Disease. <i>Current Medicinal Chemistry Cardiovascular and Hematological Agents</i> , 2004, 2, 43-47.	1.7	23
61	Urotensin II in the cardiovascular system. <i>Peptides</i> , 2004, 25, 1795-1802.	2.4	37
62	Combined inhibition of angiotensin II and endothelin suppresses the brain natriuretic peptide response to developing heart failure. <i>Clinical Science</i> , 2004, 106, 569-576.	4.3	29
63	A neural mechanism for sudden death after myocardial infarction. <i>Clinical Autonomic Research</i> , 2003, 13, 339-341.	2.5	21
64	Adrenomedullin and the renin-angiotensin-aldosterone system. <i>Regulatory Peptides</i> , 2003, 112, 41-49.	1.9	34
65	Adrenomedullin and heart failure. <i>Regulatory Peptides</i> , 2003, 112, 51-60.	1.9	36
66	Natriuretic peptides maintain sodium homeostasis during chronic volume loading post-myocardial infarction in sheep. <i>Clinical Science</i> , 2003, 104, 429-436.	4.3	4
67	Natriuretic peptides maintain sodium homeostasis during chronic volume loading post-myocardial infarction in sheep. <i>Clinical Science</i> , 2003, 104, 429.	4.3	1
68	Adrenomedullin in Heart Failure. <i>Hypertension Research</i> , 2003, 26, S135-S140.	2.7	20
69	Long-Term Adrenomedullin Administration in Experimental Heart Failure. <i>Hypertension</i> , 2002, 40, 667-672.	2.7	32
70	Adrenomedullin modulates the neurohumoral response to acute volume loading in normal conscious sheep. <i>Journal of Endocrinology</i> , 2002, 173, 123-129.	2.6	9
71	Combined Endopeptidase Inhibition and Adrenomedullin in Sheep With Experimental Heart Failure. <i>Hypertension</i> , 2002, 39, 93-98.	2.7	43
72	Combined angiotensin-converting enzyme inhibition and adrenomedullin in an ovine model of heart failure. <i>Clinical Science</i> , 2002, 102, 653.	4.3	7

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73	Beneficial hemodynamic, endocrine, and renal effects of urocortin in experimental heart failure. <i>Journal of the American College of Cardiology</i> , 2002, 40, 1495-1505.	2.8	104
74	Continual recordings of cardiac sympathetic nerve activity in conscious sheep. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H93-H99.	3.2	32
75	Comparative actions of adrenomedullin and nitroprusside: interactions with ANG II and norepinephrine. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R1887-R1894.	1.8	14
76	Adrenomedullin augments the neurohumoral response to haemorrhage in non-pregnant but not in pregnant sheep. <i>Journal of Endocrinology</i> , 2001, 171, 363-371.	2.6	3
77	Myocardial infarction with and without reperfusion in sheep: early cardiac and neurohumoral changes. <i>Clinical Science</i> , 2000, 98, 703-711.	4.3	18
78	Neurohormones in an ovine model of compensated postinfarction left ventricular dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H731-H740.	3.2	21
79	Delayed metabolism of human brain natriuretic peptide reflects resistance to neutral endopeptidase. <i>Journal of Endocrinology</i> , 2000, 167, 239-246.	2.6	90
80	Adrenomedullin Attenuates Pressor Response to Angiotensin II in Conscious Sheep. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 36, 526-532.	1.9	17
81	The role of adrenomedullin. <i>American Journal of Hypertension</i> , 1999, 12, 166-173.	2.0	13
82	Bioactivity of Natriuretic Peptide Coinfusions; No Evidence for Unique Effects of BNP in Conscious Sheep. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 33, 229-236.	1.9	2
83	Hemodynamic, Hormonal, and Renal Effects of Intracerebroventricular Adrenomedullin in Conscious Sheep*. <i>Endocrinology</i> , 1998, 139, 1746-1751.	2.8	31
84	Chronic infusions of brain natriuretic peptide in conscious sheep: bioactivity at low physiological levels. <i>Clinical Science</i> , 1998, 95, 701-708.	4.3	5
85	Title is missing!. <i>Clinical Science</i> , 1998, 95, 701.	4.3	1
86	Combined Neutral Endopeptidase and Angiotensin-Converting Enzyme Inhibition in Heart Failure: Role of Natriuretic Peptides and Angiotensin II. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 31, 116-125.	1.9	63
87	Arginine Vasopressin V1-Receptor Antagonism in an Ovine Model of Acute Myocardial Infarction. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 32, 777-782.	1.9	6
88	Hemodynamic, Hormonal, and Renal Effects of Intracerebroventricular Adrenomedullin in Conscious Sheep. <i>Endocrinology</i> , 1998, 139, 1746-1751.	2.8	11
89	An Ovine Model of Acute Myocardial Infarction and Chronic Left Ventricular Dysfunction. <i>Angiology</i> , 1997, 48, 679-688.	1.8	22
90	Hypothalamo-pituitary-adrenal axis response to coronary artery embolization: an ovine model of acute myocardial infarction. <i>Journal of Endocrinology</i> , 1997, 152, 489-493.	2.6	13

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91	Comparative Bioactivity of Atrial and Brain Natriuretic Peptides in An Ovine Model of Heart Failure. <i>Clinical Science</i> , 1997, 92, 159-165.	4.3	28
92	COMPARISON OF THE EFFECTS OF OUABAIN AND BRAIN NATRIURETIC PEPTIDE IN SALINE-LOADED SHEEP. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997, 24, 807-813.	1.9	2
93	Beneficial Hemodynamic and Renal Effects of Adrenomedullin in an Ovine Model of Heart Failure. <i>Circulation</i> , 1997, 96, 1983-1990.	1.6	106
94	Ovine brain natriuretic peptide in cardiac tissues and plasma: effects of cardiac hypertrophy and heart failure on tissue concentration and molecular forms. <i>Journal of Endocrinology</i> , 1997, 155, 541-550.	2.6	35
95	Natriuretic Peptides in Sheep with Pressure Overload Left Ventricular Hypertrophy. <i>Clinical and Experimental Hypertension</i> , 1996, 18, 1051-1071.	1.3	16
96	Neutral Endopeptidase Inhibition: Augmented Atrial and Brain Natriuretic Peptide, Haemodynamic and Natriuretic Responses in Ovine Heart Failure. <i>Clinical Science</i> , 1996, 91, 283-291.	4.3	52
97	NITRIC OXIDE INHIBITION IN AN OVINE MODEL OF HEART FAILURE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1996, 23, 403-409.	1.9	4
98	Comparison of Chronic Neutral Endopeptidase Inhibition and Furosemide in an Ovine Model of Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 1996, 27, 439-446.	1.9	8
99	Central C-type natriuretic peptide augments the hormone response to hemorrhage in conscious sheep. <i>Peptides</i> , 1995, 16, 129-132.	2.4	14
100	Endopeptidase Inhibition in Angiotensin-Induced Hypertension. <i>Hypertension</i> , 1995, 26, 89-94.	2.7	8
101	The ovine hypothalamus and pituitary have markedly different distributions of C-type natriuretic peptide forms. <i>Peptides</i> , 1993, 14, 713-716.	2.4	37
102	Acute Hemodynamic, Hormonal, and Renal Effects of Neutral Endopeptidase Inhibition in Ovine Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 1992, 19, 635-640.	1.9	9
103	Comparison of the Effect of Renin Inhibition and Angiotensin-Converting Enzyme Inhibition in Ovine Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 1992, 19, 169-175.	1.9	13
104	Central C-type natriuretic peptide but not atrial natriuretic factor lowers blood pressure and adrenocortical secretion in normal conscious sheep.. <i>Endocrinology</i> , 1992, 131, 1721-1726.	2.8	41
105	Hemodynamic and hormonal effects of neutral endopeptidase inhibitor SCH 39370 in sheep.. <i>Hypertension</i> , 1991, 17, 643-651.	2.7	12
106	Intracerebroventricular Atrial Natriuretic Factor (ANF) Antiserum Inhibits Volume-Induced ANF in Sheep: Evidence for the Brain's Regulation of ANF Secretion*. <i>Endocrinology</i> , 1991, 129, 2225-2230.	2.8	17
107	Biological Actions of Cleaved Atrial Natriuretic Factor (ANF101-106) in Conscious Sheep. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 17, 403-410.	1.9	7