Gavin Y Oudit

List of Publications by Year
in descending order

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304 papers	23,274 citations	7069 78 h-index	9553 142 g-index
305 all docs	305 docs citations	305 times ranked	26999 citing authors

#	Article	IF	Citations
1	Angiotensin-converting enzyme 2 is an essential regulator of heart function. Nature, 2002, 417, 822-828.	13.7	1,586
2	Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System. Circulation Research, 2020, 126, 1456-1474.	2.0	1,478
3	Cells of the adult human heart. Nature, 2020, 588, 466-472.	13.7	852
4	SARSâ€coronavirus modulation of myocardial ACE2 expression and inflammation in patients with SARS. European Journal of Clinical Investigation, 2009, 39, 618-625.	1.7	732
5	Role of the ACE2/Angiotensin 1â€“7 Axis of the Reninâ€“Angiotensin System in Heart Failure. Circulation Research, 2016, 118, 1313-1326.	2.0	664
6	Regulation of Myocardial Contractility and Cell Size by Distinct PI3K-PTEN Signaling Pathways. Cell, 2002, 110, 737-749.	13.5	545
7	The role of phosphoinositide-3 kinase and PTEN in cardiovascular physiology and disease. Journal of Molecular and Cellular Cardiology, 2004, 37, 449-471.	0.9	413
8	Dendritic cellâ€“induced autoimmune heart failure requires cooperation between adaptive and innate immunity. Nature Medicine, 2003, 9, 1484-1490.	15.2	404
9	L-type Ca2+ channels provide a major pathway for iron entry into cardiomyocytes in iron-overload cardiomyopathy. Nature Medicine, 2003, 9, 1187-1194.	15.2	402
10	Angiotensin-Converting Enzyme 2 Suppresses Pathological Hypertrophy, Myocardial Fibrosis, and Cardiac Dysfunction. Circulation, 2010, 122, 717-728.	1.6	383
11	Multidisciplinary Approach to Novel Therapies in Cardio-Oncology Research (MANTICORE 101â€“Breast): A Randomized Trial for the Prevention of Trastuzumab-Associated Cardiotoxicity. Journal of Clinical Oncology, 2017, 35, 870-877.	0.8	292
12	Angiotensin converting enzyme-2 confers endothelial protection and attenuates atherosclerosis. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1377-H1384.	1.5	267
13	Human Recombinant ACE2 Reduces the Progression of Diabetic Nephropathy. Diabetes, 2010, 59, 529-538.	0.3	264
14	Angiotensin II induced proteolytic cleavage of myocardial ACE2 is mediated by TACE/ADAM-17: A positive feedback mechanism in the RAS. Journal of Molecular and Cellular Cardiology, 2014, 66, 167-176.	0.9	263
15	Empagliflozin Increases Cardiac EnergyÂProductionÂin Diabetes. JACC Basic To Translational Science, 2018, 3, 575-587.	1.9	263
16	Circadian rhythm disorganization produces profound cardiovascular and renal disease in hamsters. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1675-R1683.	0.9	255
17	Restructuring of the Gut Microbiome by Intermittent Fasting Prevents Retinopathy and Prolongs Survival in db/db Mice. Diabetes, 2018, 67, 1867-1879.	0.3	243
18	Loss of Angiotensin-Converting Enzyme-2 (Ace2) Accelerates Diabetic Kidney Injury. American Journal of Pathology, 2007, 171, 438-451.	1.9	235

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19	The Role of ACE2 in Cardiovascular Physiology. Trends in Cardiovascular Medicine, 2003, 13, 93-101.	2.3	232
20	Regulation of cardiac excitationâ€“contraction coupling by action potential repolarization: role of the transient outward potassium current (I to). Journal of Physiology, 2003, 546, 5-18.	1.3	228
21	Angiotensin Converting Enzyme 2. Circulation, 2020, 142, 426-428.	1.6	220
22	Cardiac regulation by phosphoinositide 3-kinases and PTEN. Cardiovascular Research, 2008, 82, 250-260.	1.8	218
23	Iron-Overload Cardiomyopathy: Pathophysiology, Diagnosis, and Treatment. Journal of Cardiac Failure, 2010, 16, 888-900.	0.7	218
24	The renin-angiotensin system: going beyond the classical paradigms. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H958-H970.	1.5	218
25	Short-term, long-term and paracrine effect of human umbilical cord-derived stem cells in lung injury prevention and repair in experimental bronchopulmonary dysplasia. Thorax, 2013, 68, 475-484.	2.7	217
26	Angiotensin II-mediated oxidative stress and inflammation mediate the age-dependent cardiomyopathy in ACE2 null mice. Cardiovascular Research, 2007, 75, 29-39.	1.8	215
27	Loss of Angiotensin-Converting Enzyme-2 Leads to the Late Development of Angiotensin II-Dependent Glomerulosclerosis. American Journal of Pathology, 2006, 168, 1808-1820.	1.9	214
28	Decreased glomerular and tubular expression of ACE2 in patients with type 2 diabetes and kidney disease. Kidney International, 2008, 74, 1610-1616.	2.6	209
29	Muscle-Specific Loss of Apoptosis-Inducing Factor Leads to Mitochondrial Dysfunction, Skeletal Muscle Atrophy, and Dilated Cardiomyopathy. Molecular and Cellular Biology, 2005, 25, 10261-10272.	1.1	208
30	Prevention of Angiotensin IIâ€“Mediated Renal Oxidative Stress, Inflammation, and Fibrosis by Angiotensin-Converting Enzyme 2. Hypertension, 2011, 57, 314-322.	1.3	200
31	Taurine Supplementation Reduces Oxidative Stress and Improves Cardiovascular Function in an Iron-Overload Murine Model. Circulation, 2004, 109, 1877-1885.	1.6	195
32	Loss of Angiotensin-Converting Enzyme 2 Accelerates Maladaptive Left Ventricular Remodeling in Response to Myocardial Infarction. Circulation: Heart Failure, 2009, 2, 446-455.	1.6	194
33	ACE2 Deficiency Worsens Epicardial Adipose Tissue Inflammation and Cardiac Dysfunction in Response to Diet-Induced Obesity. Diabetes, 2016, 65, 85-95.	0.3	193
34	Role of L-type Ca2+ channels in iron transport and iron-overload cardiomyopathy. Journal of Molecular Medicine, 2006, 84, 349-364.	1.7	176
35	The Molecular Physiology of the Cardiac Transient Outward Potassium Current (Ito) in Normal and Diseased Myocardium. Journal of Molecular and Cellular Cardiology, 2001, 33, 851-872.	0.9	175
36	Loss of Apelin Exacerbates Myocardial Infarction Adverse Remodeling and Ischemiaâ€“reperfusion Injury: Therapeutic Potential of Synthetic Apelin Analogues. Journal of the American Heart Association, 2013, 2, e000249.	1.6	171

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37	Roles of Angiotensin Peptides and Recombinant Human ACE2 in Heart Failure. Journal of the American College of Cardiology, 2017, 69, 805-819.	1.2	160
38	T ₁ Mapping With Cardiovascular MRI Is Highly Sensitive for Fabry Disease Independent of Hypertrophy and Sex. Circulation: Cardiovascular Imaging, 2013, 6, 637-645.	1.3	158
39	Angiotensin 1â€“7 Ameliorates Diabetic Cardiomyopathy and Diastolic Dysfunction in db/db Mice by Reducing Lipotoxicity and Inflammation. Circulation: Heart Failure, 2014, 7, 327-339.	1.6	158
40	Epicardial adipose tissue as a metabolic transducer: role in heart failure and coronary artery disease. Heart Failure Reviews, 2017, 22, 889-902.	1.7	156
41	Phosphoinositide 3-Kinase Î³â€“Deficient Mice Are Protected From Isoproterenol-Induced Heart Failure. Circulation, 2003, 108, 2147-2152.	1.6	155
42	Angiotensin-Converting Enzyme 2 Metabolizes and Partially Inactivates Pyr-Apelin-13 and Apelin-17. Hypertension, 2016, 68, 365-377.	1.3	152
43	Combination of Tumor Necrosis Factor-Î± Ablation and Matrix Metalloproteinase Inhibition Prevents Heart Failure After Pressure Overload in Tissue Inhibitor of Metalloproteinase-3 Knock-Out Mice. Circulation Research, 2005, 97, 380-390.	2.0	151
44	Metabolomic Fingerprint of Heart Failure with Preserved Ejection Fraction. PLoS ONE, 2015, 10, e0124844.	1.1	150
45	Modulation of Iron Uptake in Heart by L-Type Ca ²⁺ Channel Modifiers. Circulation Research, 1999, 84, 1302-1309.	2.0	146
46	Loss of Angiotensin-Converting Enzyme-2 Exacerbates Diabetic Cardiovascular Complications and Leads to Systolic and Vascular Dysfunction. Circulation Research, 2012, 110, 1322-1335.	2.0	141
47	TIMP2 Deficiency Accelerates Adverse Postâ€“Myocardial Infarction Remodeling Because of Enhanced MT1-MMP Activity Despite Lack of MMP2 Activation. Circulation Research, 2010, 106, 796-808.	2.0	140
48	Type 1 diabetic cardiomyopathy in the Akita (Ins2^{WT/C96Y}) mouse model is characterized by lipotoxicity and diastolic dysfunction with preserved systolic function. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H2096-H2108.	1.5	139
49	ANG II causes insulin resistance and induces cardiac metabolic switch and inefficiency: a critical role of PDK4. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1103-H1113.	1.5	138
50	Agonist-Induced Hypertrophy and Diastolic Dysfunction Are Associated With Selective Reduction in Glucose Oxidation. Circulation: Heart Failure, 2012, 5, 493-503.	1.6	136
51	Hydroxychloroquine-Induced Cardiomyopathy: Case Report, Pathophysiology, Diagnosis, and Treatment. Canadian Journal of Cardiology, 2014, 30, 1706-1715.	0.8	126
52	Sex differences in COVID-19: candidate pathways, genetics of ACE2, and sex hormones. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H296-H304.	1.5	123
53	Angiotensin-converting-enzyme 2 inhibits liver fibrosis in mice. Hepatology, 2009, 50, 929-938.	3.6	117
54	Angiotensin 1â€“7 mediates renoprotection against diabetic nephropathy by reducing oxidative stress, inflammation, and lipotoxicity. American Journal of Physiology - Renal Physiology, 2014, 306, F812-F821.	1.3	113

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55	Loss of TIMP3 Enhances Interstitial Nephritis and Fibrosis. Journal of the American Society of Nephrology: JASN, 2009, 20, 1223-1235.	3.0	112
56	Pressure-overload-induced heart failure induces a selective reduction in glucose oxidation at physiological afterload. Cardiovascular Research, 2013, 97, 676-685.	1.8	112
57	Tissue Inhibitor of Matrix Metalloproteinase-1 Promotes Myocardial Fibrosis by Mediating CD63â€“Integrin Î²1 Interaction. Hypertension, 2017, 69, 1092-1103.	1.3	108
58	Loss of PTEN attenuates the development of pathological hypertrophy and heart failure in response to biomechanical stress. Cardiovascular Research, 2008, 78, 505-514.	1.8	107
59	Erythropoietin Protects against Doxorubicin-Induced Cardiomyopathy via a Phosphatidylinositol 3-Kinase-Dependent Pathway. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 160-169.	1.3	102
60	Impaired branched chain amino acid oxidation contributes to cardiac insulin resistance in heart failure. Cardiovascular Diabetology, 2019, 18, 86.	2.7	102
61	Cardiac-specific overexpression of sarcolipin inhibits sarco(endo)plasmic reticulum Ca2+ ATPase (SERCA2a) activity and impairs cardiac function in mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9199-9204.	3.3	99
62	Telmisartan attenuates aortic hypertrophy in hypertensive rats by the modulation of ACE2 and profilin-1 expression. Regulatory Peptides, 2011, 166, 90-97.	1.9	99
63	Tumor necrosis factor induces matrix metalloproteinases in cardiomyocytes and cardiofibroblasts differentially via superoxide production in a PI3KÎ³-dependent manner. American Journal of Physiology - Cell Physiology, 2010, 298, C679-C692.	2.1	98
64	Differential role of TIMP2 and TIMP3 in cardiac hypertrophy, fibrosis, and diastolic dysfunction. Cardiovascular Research, 2014, 103, 268-280.	1.8	98
65	Targeting the glucagon receptor improves cardiac function and enhances insulin sensitivity following a myocardial infarction. Cardiovascular Diabetology, 2019, 18, 1.	2.7	98
66	Cardioprotective Effects Mediated by Angiotensin II Type 1 Receptor Blockade and Enhancing Angiotensin 1-7 in Experimental Heart Failure in Angiotensin-Converting Enzyme 2â€“Null Mice. Hypertension, 2012, 59, 1195-1203.	1.3	97
67	Myocardial ATGL Overexpression Decreases the Reliance on Fatty Acid Oxidation and Protects against Pressure Overload-Induced Cardiac Dysfunction. Molecular and Cellular Biology, 2012, 32, 740-750.	1.1	95
68	Circulating Levels of Tumor Necrosis Factor-Alpha Receptor 2 Are Increased in Heart Failure with Preserved Ejection Fraction Relative to Heart Failure with Reduced Ejection Fraction: Evidence for a Divergence in Pathophysiology. PLoS ONE, 2014, 9, e99495.	1.1	94
69	Role of iron metabolism in heart failure: From iron deficiency to iron overload. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1925-1937.	1.8	94
70	Cardiac-specific elevations in thyroid hormone enhance contractility and prevent pressure overload-induced cardiac dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6043-6048.	3.3	93
71	Comparative Proteomics Profiling of a Phospholamban Mutant Mouse Model of Dilated Cardiomyopathy Reveals Progressive Intracellular Stress Responses. Molecular and Cellular Proteomics, 2008, 7, 519-533.	2.5	91
72	Lack of Tissue Inhibitor of Metalloproteinases 2 Leads to Exacerbated Left Ventricular Dysfunction and Adverse Extracellular Matrix Remodeling in Response to Biomechanical Stress. Circulation, 2011, 124, 2094-2105.	1.6	90

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73	ACE2/Ang 1-7 axis: A critical regulator of epicardial adipose tissue inflammation and cardiac dysfunction in obesity. Adipocyte, 2016, 5, 306-311.	1.3	90
74	Iron-overload injury and cardiomyopathy in acquired and genetic models is attenuated by resveratrol therapy. Scientific Reports, 2015, 5, 18132.	1.6	85
75	Apelin Is a Negative Regulator of Angiotensin IIâ€“Mediated Adverse Myocardial Remodeling and Dysfunction. Hypertension, 2017, 70, 1165-1175.	1.3	85
76	Disrupting the key circadian regulator CLOCK leads to age-dependent cardiovascular disease. Journal of Molecular and Cellular Cardiology, 2017, 105, 24-37.	0.9	83
77	Simultaneous Transforming Growth Factor Î²-Tumor Necrosis Factor Activation and Cross-talk Cause Aberrant Remodeling Response and Myocardial Fibrosis in Timp3-deficient Heart. Journal of Biological Chemistry, 2009, 284, 29893-29904.	1.6	82
78	Angiotensin-Converting Enzyme 2 Is a Critical Determinant of Angiotensin IIâ€“Induced Loss of Vascular Smooth Muscle Cells and Adverse Vascular Remodeling. Hypertension, 2014, 64, 157-164.	1.3	81
79	Targeting the apelin pathway as a novel therapeutic approach for cardiovascular diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1942-1950.	1.8	81
80	Mice with Tissue Inhibitor of Metalloproteinases 4 (Timp4) Deletion Succumb to Induced Myocardial Infarction but Not to Cardiac Pressure Overload. Journal of Biological Chemistry, 2010, 285, 24487-24493.	1.6	80
81	Resveratrol Treatment of Mice With Pressure-Overloadâ€“Induced Heart Failure Improves Diastolic Function and Cardiac Energy Metabolism. Circulation: Heart Failure, 2015, 8, 128-137.	1.6	79
82	Enhanced susceptibility to biomechanical stress in ACE2 null mice is prevented by loss of the p47phox NADPH oxidase subunit. Cardiovascular Research, 2011, 91, 151-161.	1.8	76
83	Cardiac-specific overexpression of sarcolipin in phospholamban null mice impairs myocyte function that is restored by phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2446-2451.	3.3	75
84	Early activation of matrix metalloproteinases underlies the exacerbated systolic and diastolic dysfunction in mice lacking TIMP3 following myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1012-H1023.	1.5	73
85	ACE2 Deficiency Enhances Angiotensin II-Mediated Aortic Profilin-1 Expression, Inflammation and Peroxynitrite Production. PLoS ONE, 2012, 7, e38502.	1.1	73
86	Systolic and Diastolic Function Assessment in Fabry Disease Patients Using Speckle-Tracking Imaging and Comparison with Conventional Echocardiographic Measurements. Journal of the American Society of Echocardiography, 2013, 26, 1407-1414.	1.2	72
87	Role of angiotensin-converting enzyme 2 (ACE2) in diabetic cardiovascular complications. Clinical Science, 2014, 126, 471-482.	1.8	72
88	Insulin-Like Growth Factor-1 and PTEN Deletion Enhance Cardiac L-Type Ca 2+ Currents via Increased PI3KÎ±/PKB Signaling. Circulation Research, 2006, 98, 1390-1397.	2.0	67
89	Bone Marrow-Derived Cells Restore Functional Integrity of the Gut Epithelial and Vascular Barriers in a Model of Diabetes and ACE2 Deficiency. Circulation Research, 2019, 125, 969-988.	2.0	67
90	Plasma angiotensin-converting enzyme 2: novel biomarker in heart failure with implications for COVID-19. European Heart Journal, 2020, 41, 1818-1820.	1.0	65

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91	Phosphatidylinositol 3-Kinase Î³ Is a Critical Mediator of Myocardial Ischemic and Adenosine-Mediated Preconditioning. Circulation Research, 2008, 103, 643-653.	2.0	64
92	Role of ACE2 in diastolic and systolic heart failure. Heart Failure Reviews, 2012, 17, 683-691.	1.7	63
93	Recombinant Human Angiotensin-Converting Enzyme 2 as a New Renin-Angiotensin System Peptidase for Heart Failure Therapy. Current Heart Failure Reports, 2011, 8, 176-183.	1.3	62
94	Loss of Timp3 Gene Leads to Abdominal Aortic Aneurysm Formation in Response to Angiotensin II. Journal of Biological Chemistry, 2012, 287, 44083-44096.	1.6	62
95	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. Diabetes, 2020, 69, 1875-1886.	0.3	61
96	Inhibition of Calcineurin and Sarcolemmal Ca 2+ Influx Protects Cardiac Morphology and Ventricular Function in K ν 4.2N Transgenic Mice. Circulation, 2002, 105, 1850-1856.	1.6	58
97	Anderson-Fabry cardiomyopathy: prevalence, pathophysiology, diagnosis and treatment. Heart Failure Reviews, 2015, 20, 179-191.	1.7	58
98	The Metalloprotease Neprilysin Degrades and Inactivates Apelin Peptides. ChemBioChem, 2016, 17, 1495-1498.	1.3	57
99	ACE2 (Angiotensin-Converting Enzyme 2) in Cardiopulmonary Diseases. Hypertension, 2020, 76, 651-661.	1.3	57
100	Angiotensinâ€converting enzyme 2 antagonizes angiotensin Iiâ€induced pressor response and NADPH oxidase activation in Wistarâ€“Kyoto rats and spontaneously hypertensive rats. Experimental Physiology, 2013, 98, 109-122.	0.9	56
101	Angiotensin-(1â€“7)-induced activation of ERK1/2 is cAMP/protein kinase A-dependent in glomerular mesangial cells. American Journal of Physiology - Renal Physiology, 2012, 302, F784-F790.	1.3	53
102	TIMP2 and TIMP3 have divergent roles in early renal tubulointerstitial injury. Kidney International, 2014, 85, 82-93.	2.6	52
103	PI3KÎ±-regulated gelsolin activity is a critical determinant of cardiac cytoskeletal remodeling and heart disease. Nature Communications, 2018, 9, 5390.	5.8	52
104	Elevated Inflammatory Plasma Biomarkers in Patients With Fabry Disease: A Critical Link to Heart Failure With Preserved Ejection Fraction. Journal of the American Heart Association, 2018, 7, e009098.	1.6	52
105	Impact of the reninâ€“angiotensin system on cardiac energy metabolism in heart failure. Journal of Molecular and Cellular Cardiology, 2013, 63, 98-106.	0.9	51
106	Loss of p47 ^{phox} Subunit Enhances Susceptibility to Biomechanical Stress and Heart Failure Because of Dysregulation of Cortactin and Actin Filaments. Circulation Research, 2013, 112, 1542-1556.	2.0	51
107	Cell-Specific Functions of ADAM17 Regulate the Progression of Thoracic Aortic Aneurysm. Circulation Research, 2018, 123, 372-388.	2.0	51
108	Loss of PI3KÎ³ Enhances cAMP-Dependent MMP Remodeling of the Myocardial N-Cadherin Adhesion Complexes and Extracellular Matrix in Response to Early Biomechanical Stress. Circulation Research, 2010, 107, 1275-1289.	2.0	50

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109	Angiotensin-converting enzyme 2 attenuates oxidative stress and VSMC proliferation via the JAK2/STAT3/SOCS3 and profilin-1/MAPK signaling pathways. Regulatory Peptides, 2013, 185, 44-51.	1.9	50
110	Myocardial Recovery From Ischemiaâ€“Reperfusion Is Compromised in the Absence of Tissue Inhibitor of Metalloproteinase 4. Circulation: Heart Failure, 2014, 7, 652-662.	1.6	50
111	MELAS syndrome and cardiomyopathy: linking mitochondrial function to heart failure pathogenesis. Heart Failure Reviews, 2016, 21, 103-116.	1.7	50
112	Dysregulation of ACE (Angiotensin-Converting Enzyme)-2 and Renin-Angiotensin Peptides in SARS-CoV-2 Mediated Mortality and End-Organ Injuries. Hypertension, 2022, 79, 365-378.	1.3	50
113	ACE2 exerts anti-obesity effect via stimulating brown adipose tissue and induction of browning in white adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E1140-E1149.	1.8	49
114	Adeno-Associated Virus Overexpression of Angiotensin-Converting Enzyme-2 Reverses Diabetic Retinopathy in Type 1 Diabetes in Mice. American Journal of Pathology, 2016, 186, 1688-1700.	1.9	46
115	The apelinergic system: a perspective on challenges and opportunities in cardiovascular and metabolic disorders. Annals of the New York Academy of Sciences, 2019, 1455, 12-33.	1.8	46
116	Loss of NOX2 (gp91phox) prevents oxidative stress and progression to advanced heart failure. Clinical Science, 2014, 127, 331-340.	1.8	45
117	Distinct functions of junD in cardiac hypertrophy and heart failure. Genes and Development, 2005, 19, 208-213.	2.7	44
118	ACE2/Ang-(1â€“7) signaling and vascular remodeling. Science China Life Sciences, 2014, 57, 802-808.	2.3	44
119	Loss of Angiotensin-Converting Enzyme 2 Exacerbates Diabetic Retinopathy by Promoting Bone Marrow Dysfunction. Stem Cells, 2018, 36, 1430-1440.	1.4	43
120	Targeting perivascular and epicardial adipose tissue inflammation: therapeutic opportunities for cardiovascular disease. Clinical Science, 2020, 134, 827-851.	1.8	43
121	Apelin directs endothelial cell differentiation and vascular repair following immune-mediated injury. Journal of Clinical Investigation, 2019, 130, 94-107.	3.9	43
122	Lithium-induced sinus node disease at therapeutic concentrations: Linking lithium-induced blockade of sodium channels to impaired pacemaker activity. Canadian Journal of Cardiology, 2007, 23, 229-232.	0.8	41
123	Chloroquineâ€induced cardiomyopathy: a reversible cause of heart failure. ESC Heart Failure, 2018, 5, 372-375.	1.4	41
124	Loss of Angiotensin-Converting Enzyme 2 Exacerbates Myocardial Injury via Activation of the CTGF-Fractalkine Signaling Pathway. Circulation Journal, 2013, 77, 2997-3006.	0.7	40
125	Cardiorenal Syndrome and Heart Failureâ€”Challenges and Opportunities. Canadian Journal of Cardiology, 2019, 35, 1208-1219.	0.8	40
126	Loss of TIMP3 selectively exacerbates diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2012, 303, F1341-F1352.	1.3	39

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127	S4153R Is a Gain-of-Function Mutation in the Cardiac Ca2+ Release Channel Ryanodine Receptor Associated With Catecholaminergic Polymorphic Ventricular Tachycardia and Paroxysmal Atrial Fibrillation. Canadian Journal of Cardiology, 2013, 29, 993-996.	0.8	39
128	Differential impact of mechanical unloading on structural and nonstructural components of the extracellular matrix in advanced human heart failure. Translational Research, 2016, 172, 30-44.	2.2	39
129	Recombinant Human ACE2 and the Angiotensin 1-7 Axis as Potential New Therapies for Heart Failure. Canadian Journal of Cardiology, 2017, 33, 943-946.	0.8	39
130	Angiotensin 1â€“7 stimulates brown adipose tissue and reduces diet-induced obesity. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E131-E138.	1.8	39
131	Apelin protects against abdominal aortic aneurysm and the therapeutic role of neutral endopeptidase resistant apelin analogs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13006-13015.	3.3	39
132	Atrial fibrillation and heart failure in the elderly. Heart Failure Reviews, 2012, 17, 597-613.	1.7	38
133	Genderâ€specific plasma proteomic biomarkers in patients with Andersonâ€“Fabry disease. European Journal of Heart Failure, 2015, 17, 291-300.	2.9	38
134	Cardiomyocyte A Disintegrin And Metalloproteinase 17 (ADAM17) Is Essential in Postâ€“Myocardial Infarction Repair by Regulating Angiogenesis. Circulation: Heart Failure, 2015, 8, 970-979.	1.6	38
135	Antagonism of angiotensin 1â€“7 prevents the therapeutic effects of recombinant human ACE2. Journal of Molecular Medicine, 2015, 93, 1003-1013.	1.7	38
136	Resveratrol mediates therapeutic hepatic effects in acquired and genetic murine models of ironâ€overload. Liver International, 2016, 36, 246-257.	1.9	38
137	A Disintegrin and Metalloprotease-17 Regulates Pressure Overloadâ€“Induced Myocardial Hypertrophy and Dysfunction Through Proteolytic Processing of Integrin Î²1. Hypertension, 2016, 68, 937-948.	1.3	37
138	Murine recombinant angiotensin-converting enzyme 2 attenuates kidney injury in experimentalÂAlport syndrome. Kidney International, 2017, 91, 1347-1361.	2.6	37
139	Angiotensin-converting enzyme 2 ameliorates renal fibrosis by blocking the activation of mTOR/ERK signaling in apolipoprotein E-deficient mice. Peptides, 2016, 79, 49-57.	1.2	36
140	Role of PI3KÎ± and sarcolemmal ATP-sensitive potassium channels in epoxyeicosatrienoic acid mediated cardioprotection. Journal of Molecular and Cellular Cardiology, 2012, 53, 43-52.	0.9	35
141	Synthetic Modification within the â€œRPRLâ€•Region of Apelin Peptides: Impact on Cardiovascular Activity and Stability to Neprilysin and Plasma Degradation. Journal of Medicinal Chemistry, 2017, 60, 6408-6427.	2.9	35
142	Plasma kallikrein cleaves and inactivates apelin-17: Palmitoyl- and PEG-extended apelin-17 analogs as metabolically stable blood pressure-lowering agents. European Journal of Medicinal Chemistry, 2019, 166, 119-124.	2.6	35
143	Heterozygote loss of ACE2 is sufficient to increase the susceptibility to heart disease. Journal of Molecular Medicine, 2014, 92, 847-858.	1.7	34
144	Ascending aortic adventitial remodeling and fibrosis are ameliorated with Apelin-13 in rats after TAC via suppression of the miRNA-122 and LGR4-Î²-catenin signaling. Peptides, 2016, 86, 85-94.	1.2	34

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145	Clinical Features, Diagnosis, and Management of Patients With Anderson-Fabry Cardiomyopathy. Canadian Journal of Cardiology, 2017, 33, 883-897.	0.8	34
146	Deletion of angiotensin-converting enzyme 2 exacerbates renal inflammation and injury in apolipoprotein E-deficient mice through modulation of the nephrin and TNF-alpha-TNFRSF1A signaling. Journal of Translational Medicine, 2015, 13, 255.	1.8	33
147	Ces3/TGH Deficiency Attenuates Steatohepatitis. Scientific Reports, 2016, 6, 25747.	1.6	33
148	Cardiac protective effects of irbesartan via the PPAR-gamma signaling pathway in angiotensin-converting enzyme 2-deficient mice. Journal of Translational Medicine, 2013, 11, 229.	1.8	32
149	The phosphoinositide 3-ķinase inhibitor LY294002 enhances cardiac myocyte contractility via a direct inhibition of Ik,slow currents. Cardiovascular Research, 2004, 62, 509-520.	1.8	31
150	Determinants of ventricular arrhythmias in human explanted hearts with dilated cardiomyopathy. European Journal of Clinical Investigation, 2015, 45, 1286-1296.	1.7	31
151	Weight loss enhances cardiac energy metabolism and function in heart failure associated with obesity. Diabetes, Obesity and Metabolism, 2019, 21, 1944-1955.	2.2	31
152	ADAM (a Disintegrin and Metalloproteinase) 15 Deficiency Exacerbates Ang II (Angiotensin II)â€“Induced Aortic Remodeling Leading to Abdominal Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1918-1934.	1.1	31
153	Cardiac Sarcoplasmic Reticulum Calcium Release and Load Are Enhanced by Subcellular cAMP Elevations in PI3KÎ³-Deficient Mice. Circulation Research, 2005, 96, 1079-1086.	2.0	30
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155	Targeting angiotensin-converting enzyme 2 as a new therapeutic target for cardiovascular diseases. Canadian Journal of Physiology and Pharmacology, 2014, 92, 558-565.	0.7	29
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