

Gavin Y Oudit

List of Publications by Year in descending order

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304
papers

23,274
citations

7096

78
h-index

9589

142
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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. <i>Nature</i> , 2002, 417, 822-828.	27.8	1,586
2	Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System. <i>Circulation Research</i> , 2020, 126, 1456-1474.	4.5	1,478
3	Cells of the adult human heart. <i>Nature</i> , 2020, 588, 466-472.	27.8	852
4	SARS-CoV-2 modulation of myocardial ACE2 expression and inflammation in patients with SARS. <i>European Journal of Clinical Investigation</i> , 2020, 50, 618-625.	3.4	732
5	Role of the ACE2/Angiotensin 1-7 Axis of the Renin-Angiotensin System in Heart Failure. <i>Circulation Research</i> , 2016, 118, 1313-1326.	4.5	664
6	Regulation of Myocardial Contractility and Cell Size by Distinct PI3K-PTEN Signaling Pathways. <i>Cell</i> , 2002, 110, 737-749.	28.9	545
7	The role of phosphoinositide-3 kinase and PTEN in cardiovascular physiology and disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 37, 449-471.	1.9	413
8	Dendritic cell-induced autoimmune heart failure requires cooperation between adaptive and innate immunity. <i>Nature Medicine</i> , 2003, 9, 1484-1490.	30.7	404
9	L-type Ca ²⁺ channels provide a major pathway for iron entry into cardiomyocytes in iron-overload cardiomyopathy. <i>Nature Medicine</i> , 2003, 9, 1187-1194.	30.7	402
10	Angiotensin-Converting Enzyme 2 Suppresses Pathological Hypertrophy, Myocardial Fibrosis, and Cardiac Dysfunction. <i>Circulation</i> , 2010, 122, 717-728.	1.6	383
11	Multidisciplinary Approach to Novel Therapies in Cardio-Oncology Research (MANTICORE 101 Breast): A Randomized Trial for the Prevention of Trastuzumab-Associated Cardiotoxicity. <i>Journal of Clinical Oncology</i> , 2017, 35, 870-877.	1.6	292
12	Angiotensin converting enzyme-2 confers endothelial protection and attenuates atherosclerosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1377-H1384.	3.2	267
13	Human Recombinant ACE2 Reduces the Progression of Diabetic Nephropathy. <i>Diabetes</i> , 2010, 59, 529-538.	0.6	264
14	Angiotensin II induced proteolytic cleavage of myocardial ACE2 is mediated by TACE/ADAM-17: A positive feedback mechanism in the RAS. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 66, 167-176.	1.9	263
15	Empagliflozin Increases Cardiac Energy Production in Diabetes. <i>JACC Basic To Translational Science</i> , 2018, 3, 575-587.	4.1	263
16	Circadian rhythm disorganization produces profound cardiovascular and renal disease in hamsters. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1675-R1683.	1.8	255
17	Restructuring of the Gut Microbiome by Intermittent Fasting Prevents Retinopathy and Prolongs Survival in db/db Mice. <i>Diabetes</i> , 2018, 67, 1867-1879.	0.6	243
18	Loss of Angiotensin-Converting Enzyme-2 (Ace2) Accelerates Diabetic Kidney Injury. <i>American Journal of Pathology</i> , 2007, 171, 438-451.	3.8	235

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19	The Role of ACE2 in Cardiovascular Physiology. Trends in Cardiovascular Medicine, 2003, 13, 93-101.	4.9	232
20	Regulation of cardiac excitation-contraction coupling by action potential repolarization: role of the transient outward potassium current (I _{to}). Journal of Physiology, 2003, 546, 5-18.	2.9	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.	3.8	218
23	Iron-Overload Cardiomyopathy: Pathophysiology, Diagnosis, and Treatment. Journal of Cardiac Failure, 2010, 16, 888-900.	1.7	218
24	The renin-angiotensin system: going beyond the classical paradigms. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H958-H970.	3.2	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.	5.6	217
26	Angiotensin II-mediated oxidative stress and inflammation mediate the age-dependent cardiomyopathy in ACE2 null mice. Cardiovascular Research, 2007, 75, 29-39.	3.8	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.	3.8	214
28	Decreased glomerular and tubular expression of ACE2 in patients with type 2 diabetes and kidney disease. Kidney International, 2008, 74, 1610-1616.	5.2	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.	2.3	208
30	Prevention of Angiotensin II-Mediated Renal Oxidative Stress, Inflammation, and Fibrosis by Angiotensin-Converting Enzyme 2. Hypertension, 2011, 57, 314-322.	2.7	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.	3.9	194
33	ACE2 Deficiency Worsens Epicardial Adipose Tissue Inflammation and Cardiac Dysfunction in Response to Diet-Induced Obesity. Diabetes, 2016, 65, 85-95.	0.6	193
34	Role of L-type Ca ²⁺ channels in iron transport and iron-overload cardiomyopathy. Journal of Molecular Medicine, 2006, 84, 349-364.	3.9	176
35	The Molecular Physiology of the Cardiac Transient Outward Potassium Current (I _{to}) in Normal and Diseased Myocardium. Journal of Molecular and Cellular Cardiology, 2001, 33, 851-872.	1.9	175
36	Loss of Apelin Exacerbates Myocardial Infarction Adverse Remodeling and Ischemia-reperfusion Injury: Therapeutic Potential of Synthetic Apelin Analogues. Journal of the American Heart Association, 2013, 2, e000249.	3.7	171

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37	Roles of Angiotensin Peptides and Recombinant Human ACE2 in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2017, 69, 805-819.	2.8	160
38	T ₁ Mapping With Cardiovascular MRI Is Highly Sensitive for Fabry Disease Independent of Hypertrophy and Sex. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 637-645.	2.6	158
39	Angiotensin 1 ⁷ Ameliorates Diabetic Cardiomyopathy and Diastolic Dysfunction in <i>db/db</i> Mice by Reducing Lipotoxicity and Inflammation. <i>Circulation: Heart Failure</i> , 2014, 7, 327-339.	3.9	158
40	Epicardial adipose tissue as a metabolic transducer: role in heart failure and coronary artery disease. <i>Heart Failure Reviews</i> , 2017, 22, 889-902.	3.9	156
41	Phosphoinositide 3-Kinase β -Deficient Mice Are Protected From Isoproterenol-Induced Heart Failure. <i>Circulation</i> , 2003, 108, 2147-2152.	1.6	155
42	Angiotensin-Converting Enzyme 2 Metabolizes and Partially Inactivates Pyr-Apelin-13 and Apelin-17. <i>Hypertension</i> , 2016, 68, 365-377.	2.7	152
43	Combination of Tumor Necrosis Factor- α Ablation and Matrix Metalloproteinase Inhibition Prevents Heart Failure After Pressure Overload in Tissue Inhibitor of Metalloproteinase-3 Knock-Out Mice. <i>Circulation Research</i> , 2005, 97, 380-390.	4.5	151
44	Metabolomic Fingerprint of Heart Failure with Preserved Ejection Fraction. <i>PLoS ONE</i> , 2015, 10, e0124844.	2.5	150
45	Modulation of Iron Uptake in Heart by L-Type Ca ²⁺ Channel Modifiers. <i>Circulation Research</i> , 1999, 84, 1302-1309.	4.5	146
46	Loss of Angiotensin-Converting Enzyme-2 Exacerbates Diabetic Cardiovascular Complications and Leads to Systolic and Vascular Dysfunction. <i>Circulation Research</i> , 2012, 110, 1322-1335.	4.5	141
47	TIMP2 Deficiency Accelerates Adverse Post-Myocardial Infarction Remodeling Because of Enhanced MT1-MMP Activity Despite Lack of MMP2 Activation. <i>Circulation Research</i> , 2010, 106, 796-808.	4.5	140
48	Type 1 diabetic cardiomyopathy in the Akita (<i>Ins2^{WT/C96Y}</i>) mouse model is characterized by lipotoxicity and diastolic dysfunction with preserved systolic function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H2096-H2108.	3.2	139
49	ANG II causes insulin resistance and induces cardiac metabolic switch and inefficiency: a critical role of PDK4. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1103-H1113.	3.2	138
50	Agonist-Induced Hypertrophy and Diastolic Dysfunction Are Associated With Selective Reduction in Glucose Oxidation. <i>Circulation: Heart Failure</i> , 2012, 5, 493-503.	3.9	136
51	Hydroxychloroquine-Induced Cardiomyopathy: Case Report, Pathophysiology, Diagnosis, and Treatment. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1706-1715.	1.7	126
52	Sex differences in COVID-19: candidate pathways, genetics of ACE2, and sex hormones. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H296-H304.	3.2	123
53	Angiotensin-converting-enzyme 2 inhibits liver fibrosis in mice. <i>Hepatology</i> , 2009, 50, 929-938.	7.3	117
54	Angiotensin 1 ⁷ mediates renoprotection against diabetic nephropathy by reducing oxidative stress, inflammation, and lipotoxicity. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F812-F821.	2.7	113

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55	Loss of TIMP3 Enhances Interstitial Nephritis and Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1223-1235.	6.1	112
56	Pressure-overload-induced heart failure induces a selective reduction in glucose oxidation at physiological afterload. <i>Cardiovascular Research</i> , 2013, 97, 676-685.	3.8	112
57	Tissue Inhibitor of Matrix Metalloproteinase-1 Promotes Myocardial Fibrosis by Mediating CD63-Integrin β 1 Interaction. <i>Hypertension</i> , 2017, 69, 1092-1103.	2.7	108
58	Loss of PTEN attenuates the development of pathological hypertrophy and heart failure in response to biomechanical stress. <i>Cardiovascular Research</i> , 2008, 78, 505-514.	3.8	107
59	Erythropoietin Protects against Doxorubicin-Induced Cardiomyopathy via a Phosphatidylinositol 3-Kinase-Dependent Pathway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 160-169.	2.5	102
60	Impaired branched chain amino acid oxidation contributes to cardiac insulin resistance in heart failure. <i>Cardiovascular Diabetology</i> , 2019, 18, 86.	6.8	102
61	Cardiac-specific overexpression of sarcolipin inhibits sarco(endoplasmic reticulum Ca ²⁺ ATPase (SERCA2a) activity and impairs cardiac function in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9199-9204.	7.1	99
62	Telmisartan attenuates aortic hypertrophy in hypertensive rats by the modulation of ACE2 and profilin-1 expression. <i>Regulatory Peptides</i> , 2011, 166, 90-97.	1.9	99
63	Tumor necrosis factor induces matrix metalloproteinases in cardiomyocytes and cardiofibroblasts differentially via superoxide production in a PI3K β -dependent manner. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C679-C692.	4.6	98
64	Differential role of TIMP2 and TIMP3 in cardiac hypertrophy, fibrosis, and diastolic dysfunction. <i>Cardiovascular Research</i> , 2014, 103, 268-280.	3.8	98
65	Targeting the glucagon receptor improves cardiac function and enhances insulin sensitivity following a myocardial infarction. <i>Cardiovascular Diabetology</i> , 2019, 18, 1.	6.8	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 β -Null Mice. <i>Hypertension</i> , 2012, 59, 1195-1203.	2.7	97
67	Myocardial ATGL Overexpression Decreases the Reliance on Fatty Acid Oxidation and Protects against Pressure Overload-Induced Cardiac Dysfunction. <i>Molecular and Cellular Biology</i> , 2012, 32, 740-750.	2.3	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. <i>PLoS ONE</i> , 2014, 9, e99495.	2.5	94
69	Role of iron metabolism in heart failure: From iron deficiency to iron overload. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1925-1937.	3.8	94
70	Cardiac-specific elevations in thyroid hormone enhance contractility and prevent pressure overload-induced cardiac dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6043-6048.	7.1	93
71	Comparative Proteomics Profiling of a Phospholamban Mutant Mouse Model of Dilated Cardiomyopathy Reveals Progressive Intracellular Stress Responses. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 519-533.	3.8	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. <i>Circulation</i> , 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. <i>Adipocyte</i> , 2016, 5, 306-311.	2.8	90
74	Iron-overload injury and cardiomyopathy in acquired and genetic models is attenuated by resveratrol therapy. <i>Scientific Reports</i> , 2015, 5, 18132.	3.3	85
75	Apelin Is a Negative Regulator of Angiotensin II-Mediated Adverse Myocardial Remodeling and Dysfunction. <i>Hypertension</i> , 2017, 70, 1165-1175.	2.7	85
76	Disrupting the key circadian regulator CLOCK leads to age-dependent cardiovascular disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 105, 24-37.	1.9	83
77	Simultaneous Transforming Growth Factor β 2-Tumor Necrosis Factor Activation and Cross-talk Cause Aberrant Remodeling Response and Myocardial Fibrosis in Timp3-deficient Heart. <i>Journal of Biological Chemistry</i> , 2009, 284, 29893-29904.	3.4	82
78	Angiotensin-Converting Enzyme 2 Is a Critical Determinant of Angiotensin II-Induced Loss of Vascular Smooth Muscle Cells and Adverse Vascular Remodeling. <i>Hypertension</i> , 2014, 64, 157-164.	2.7	81
79	Targeting the apelin pathway as a novel therapeutic approach for cardiovascular diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1942-1950.	3.8	81
80	Mice with Tissue Inhibitor of Metalloproteinases 4 (Timp4) Deletion Succumb to Induced Myocardial Infarction but Not to Cardiac Pressure Overload. <i>Journal of Biological Chemistry</i> , 2010, 285, 24487-24493.	3.4	80
81	Resveratrol Treatment of Mice With Pressure-Overload-Induced Heart Failure Improves Diastolic Function and Cardiac Energy Metabolism. <i>Circulation: Heart Failure</i> , 2015, 8, 128-137.	3.9	79
82	Enhanced susceptibility to biomechanical stress in ACE2 null mice is prevented by loss of the p47phox NADPH oxidase subunit. <i>Cardiovascular Research</i> , 2011, 91, 151-161.	3.8	76
83	Cardiac-specific overexpression of sarcolipin in phospholamban null mice impairs myocyte function that is restored by phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2446-2451.	7.1	75
84	Early activation of matrix metalloproteinases underlies the exacerbated systolic and diastolic dysfunction in mice lacking TIMP3 following myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1012-H1023.	3.2	73
85	ACE2 Deficiency Enhances Angiotensin II-Mediated Aortic Profilin-1 Expression, Inflammation and Peroxynitrite Production. <i>PLoS ONE</i> , 2012, 7, e38502.	2.5	73
86	Systolic and Diastolic Function Assessment in Fabry Disease Patients Using Speckle-Tracking Imaging and Comparison with Conventional Echocardiographic Measurements. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 1407-1414.	2.8	72
87	Role of angiotensin-converting enzyme 2 (ACE2) in diabetic cardiovascular complications. <i>Clinical Science</i> , 2014, 126, 471-482.	4.3	72
88	Insulin-Like Growth Factor-1 and PTEN Deletion Enhance Cardiac L-Type Ca ²⁺ Currents via Increased PI3K β /PKB Signaling. <i>Circulation Research</i> , 2006, 98, 1390-1397.	4.5	67
89	Bone Marrow-Derived Cells Restore Functional Integrity of the Gut Epithelial and Vascular Barriers in a Model of Diabetes and ACE2 Deficiency. <i>Circulation Research</i> , 2019, 125, 969-988.	4.5	67
90	Plasma angiotensin-converting enzyme 2: novel biomarker in heart failure with implications for COVID-19. <i>European Heart Journal</i> , 2020, 41, 1818-1820.	2.2	65

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91	Phosphatidylinositol 3-Kinase \hat{I}^3 Is a Critical Mediator of Myocardial Ischemic and Adenosine-Mediated Preconditioning. <i>Circulation Research</i> , 2008, 103, 643-653.	4.5	64
92	Role of ACE2 in diastolic and systolic heart failure. <i>Heart Failure Reviews</i> , 2012, 17, 683-691.	3.9	63
93	Recombinant Human Angiotensin-Converting Enzyme 2 as a New Renin-Angiotensin System Peptidase for Heart Failure Therapy. <i>Current Heart Failure Reports</i> , 2011, 8, 176-183.	3.3	62
94	Loss of Timp3 Gene Leads to Abdominal Aortic Aneurysm Formation in Response to Angiotensin II. <i>Journal of Biological Chemistry</i> , 2012, 287, 44083-44096.	3.4	62
95	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. <i>Diabetes</i> , 2020, 69, 1875-1886.	0.6	61
96	Inhibition of Calcineurin and Sarcolemmal Ca ²⁺ Influx Protects Cardiac Morphology and Ventricular Function in K ^v 4.2N Transgenic Mice. <i>Circulation</i> , 2002, 105, 1850-1856.	1.6	58
97	Anderson-Fabry cardiomyopathy: prevalence, pathophysiology, diagnosis and treatment. <i>Heart Failure Reviews</i> , 2015, 20, 179-191.	3.9	58
98	The Metalloprotease Nephilysin Degrades and Inactivates Apelin Peptides. <i>ChemBioChem</i> , 2016, 17, 1495-1498.	2.6	57
99	ACE2 (Angiotensin-Converting Enzyme 2) in Cardiopulmonary Diseases. <i>Hypertension</i> , 2020, 76, 651-661.	2.7	57
100	Angiotensin-converting enzyme 2 antagonizes angiotensin II-induced pressor response and NADPH oxidase activation in Wistar-Kyoto rats and spontaneously hypertensive rats. <i>Experimental Physiology</i> , 2013, 98, 109-122.	2.0	56
101	Angiotensin-(1-7)-induced activation of ERK1/2 is cAMP/protein kinase A-dependent in glomerular mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F784-F790.	2.7	53
102	TIMP2 and TIMP3 have divergent roles in early renal tubulointerstitial injury. <i>Kidney International</i> , 2014, 85, 82-93.	5.2	52
103	PI3K \hat{I} -regulated gelsolin activity is a critical determinant of cardiac cytoskeletal remodeling and heart disease. <i>Nature Communications</i> , 2018, 9, 5390.	12.8	52
104	Elevated Inflammatory Plasma Biomarkers in Patients With Fabry Disease: A Critical Link to Heart Failure With Preserved Ejection Fraction. <i>Journal of the American Heart Association</i> , 2018, 7, e009098.	3.7	52
105	Impact of the renin-angiotensin system on cardiac energy metabolism in heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 63, 98-106.	1.9	51
106	Loss of p47 ^{phox} Subunit Enhances Susceptibility to Biomechanical Stress and Heart Failure Because of Dysregulation of Cortactin and Actin Filaments. <i>Circulation Research</i> , 2013, 112, 1542-1556.	4.5	51
107	Cell-Specific Functions of ADAM17 Regulate the Progression of Thoracic Aortic Aneurysm. <i>Circulation Research</i> , 2018, 123, 372-388.	4.5	51
108	Loss of PI3K \hat{I}^3 Enhances cAMP-Dependent MMP Remodeling of the Myocardial N-Cadherin Adhesion Complexes and Extracellular Matrix in Response to Early Biomechanical Stress. <i>Circulation Research</i> , 2010, 107, 1275-1289.	4.5	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. <i>Regulatory Peptides</i> , 2013, 185, 44-51.	1.9	50
110	Myocardial Recovery From Ischemiaâ€“Reperfusion Is Compromised in the Absence of Tissue Inhibitor of Metalloproteinase 4. <i>Circulation: Heart Failure</i> , 2014, 7, 652-662.	3.9	50
111	MELAS syndrome and cardiomyopathy: linking mitochondrial function to heart failure pathogenesis. <i>Heart Failure Reviews</i> , 2016, 21, 103-116.	3.9	50
112	Dysregulation of ACE (Angiotensin-Converting Enzyme)-2 and Renin-Angiotensin Peptides in SARS-CoV-2 Mediated Mortality and End-Organ Injuries. <i>Hypertension</i> , 2022, 79, 365-378.	2.7	50
113	ACE2 exerts anti-obesity effect via stimulating brown adipose tissue and induction of browning in white adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E1140-E1149.	3.5	49
114	Adeno-Associated Virus Overexpression of Angiotensin-Converting Enzyme-2 Reverses Diabetic Retinopathy in Type 1 Diabetes in Mice. <i>American Journal of Pathology</i> , 2016, 186, 1688-1700.	3.8	46
115	The apelinergic system: a perspective on challenges and opportunities in cardiovascular and metabolic disorders. <i>Annals of the New York Academy of Sciences</i> , 2019, 1455, 12-33.	3.8	46
116	Loss of NOX2 (gp91<i>phox</i>) prevents oxidative stress and progression to advanced heart failure. <i>Clinical Science</i> , 2014, 127, 331-340.	4.3	45
117	Distinct functions of junD in cardiac hypertrophy and heart failure. <i>Genes and Development</i> , 2005, 19, 208-213.	5.9	44
118	ACE2/Ang-(1â€“7) signaling and vascular remodeling. <i>Science China Life Sciences</i> , 2014, 57, 802-808.	4.9	44
119	Loss of Angiotensin-Converting Enzyme 2 Exacerbates Diabetic Retinopathy by Promoting Bone Marrow Dysfunction. <i>Stem Cells</i> , 2018, 36, 1430-1440.	3.2	43
120	Targeting perivascular and epicardial adipose tissue inflammation: therapeutic opportunities for cardiovascular disease. <i>Clinical Science</i> , 2020, 134, 827-851.	4.3	43
121	Apelin directs endothelial cell differentiation and vascular repair following immune-mediated injury. <i>Journal of Clinical Investigation</i> , 2019, 130, 94-107.	8.2	43
122	Lithium-induced sinus node disease at therapeutic concentrations: Linking lithium-induced blockade of sodium channels to impaired pacemaker activity. <i>Canadian Journal of Cardiology</i> , 2007, 23, 229-232.	1.7	41
123	Chloroquineâ€“induced cardiomyopathy: a reversible cause of heart failure. <i>ESC Heart Failure</i> , 2018, 5, 372-375.	3.1	41
124	Loss of Angiotensin-Converting Enzyme 2 Exacerbates Myocardial Injury via Activation of the CTGF-Fractalkine Signaling Pathway. <i>Circulation Journal</i> , 2013, 77, 2997-3006.	1.6	40
125	Cardiorenal Syndrome and Heart Failureâ€“Challenges and Opportunities. <i>Canadian Journal of Cardiology</i> , 2019, 35, 1208-1219.	1.7	40
126	Loss of TIMP3 selectively exacerbates diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F1341-F1352.	2.7	39

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127	S4153R Is a Gain-of-Function Mutation in the Cardiac Ca ²⁺ Release Channel Ryanodine Receptor Associated With Catecholaminergic Polymorphic Ventricular Tachycardia and Paroxysmal Atrial Fibrillation. <i>Canadian Journal of Cardiology</i> , 2013, 29, 993-996.	1.7	39
128	Differential impact of mechanical unloading on structural and nonstructural components of the extracellular matrix in advanced human heart failure. <i>Translational Research</i> , 2016, 172, 30-44.	5.0	39
129	Recombinant Human ACE2 and the Angiotensin 1-7 Axis as Potential New Therapies for Heart Failure. <i>Canadian Journal of Cardiology</i> , 2017, 33, 943-946.	1.7	39
130	Angiotensin 1-7 stimulates brown adipose tissue and reduces diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E131-E138.	3.5	39
131	Apelin protects against abdominal aortic aneurysm and the therapeutic role of neutral endopeptidase resistant apelin analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13006-13015.	7.1	39
132	Atrial fibrillation and heart failure in the elderly. <i>Heart Failure Reviews</i> , 2012, 17, 597-613.	3.9	38
133	Gender-specific plasma proteomic biomarkers in patients with Anderson-Fabry disease. <i>European Journal of Heart Failure</i> , 2015, 17, 291-300.	7.1	38
134	Cardiomyocyte A Disintegrin And Metalloproteinase 17 (ADAM17) Is Essential in Post-Myocardial Infarction Repair by Regulating Angiogenesis. <i>Circulation: Heart Failure</i> , 2015, 8, 970-979.	3.9	38
135	Antagonism of angiotensin 1-7 prevents the therapeutic effects of recombinant human ACE2. <i>Journal of Molecular Medicine</i> , 2015, 93, 1003-1013.	3.9	38
136	Resveratrol mediates therapeutic hepatic effects in acquired and genetic murine models of iron-overload. <i>Liver International</i> , 2016, 36, 246-257.	3.9	38
137	A Disintegrin and Metalloprotease-17 Regulates Pressure Overload-Induced Myocardial Hypertrophy and Dysfunction Through Proteolytic Processing of Integrin β 1. <i>Hypertension</i> , 2016, 68, 937-948.	2.7	37
138	Murine recombinant angiotensin-converting enzyme 2 attenuates kidney injury in experimental Alport syndrome. <i>Kidney International</i> , 2017, 91, 1347-1361.	5.2	37
139	Angiotensin-converting enzyme 2 ameliorates renal fibrosis by blocking the activation of mTOR/ERK signaling in apolipoprotein E-deficient mice. <i>Peptides</i> , 2016, 79, 49-57.	2.4	36
140	Role of PI3K and sarcolemmal ATP-sensitive potassium channels in epoxyeicosatrienoic acid mediated cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 43-52.	1.9	35
141	Synthetic Modification within the RPRLL-Region of Apelin Peptides: Impact on Cardiovascular Activity and Stability to Neprilysin and Plasma Degradation. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6408-6427.	6.4	35
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