Roberta A Gottlieb

List of Publications by Year
in descending order

196 papers	26,929 citations	8732 75 h-index	5806 161 g-index
209 all docs	209 docs citations	209 times ranked	37392 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
4	Loss of cyclophilin D reveals a critical role for mitochondrial permeability transition in cell death. Nature, 2005, 434, 658-662.	13.7	2,005
5	The mammalian ultraviolet response is triggered by activation of src tyrosine kinases. Cell, 1992, 71, 1081-1091.	13.5	893
6	Enhancing Macroautophagy Protects against Ischemia/Reperfusion Injury in Cardiac Myocytes. Journal of Biological Chemistry, 2006, 281, 29776-29787.	1.6	497
7	Caspase-mediated loss of mitochondrial function and generation of reactive oxygen species during apoptosis. Journal of Cell Biology, 2003, 160, 65-75.	2.3	440
8	Autophagy in Ischemic Heart Disease. Circulation Research, 2009, 104, 150-158.	2.0	359
9	Heart mitochondria: gates of life and death. Cardiovascular Research, 2007, 77, 334-343.	1.8	345
10	Bid Is Cleaved by Calpain to an Active Fragment in Vitro and during Myocardial Ischemia/Reperfusion. Journal of Biological Chemistry, 2001, 276, 30724-30728.	1.6	338
11	New Paradigm for Lymphocyte Granule-mediated Cytotoxicity. Journal of Biological Chemistry, 1996, 271, 29073-29079.	1.6	320
12	Preconditioning Involves Selective Mitophagy Mediated by Parkin and p62/SQSTM1. PLoS ONE, 2011, 6, e20975.	1.1	290
13	Mitophagy is required for mitochondrial biogenesis and myogenic differentiation of C2C12 myoblasts. Autophagy, 2016, 12, 369-380.	4.3	276
14	A method to measure cardiac autophagic flux in vivo. Autophagy, 2008, 4, 322-329.	4.3	259
15	Coxsackievirus B Exits the Host Cell in Shed Microvesicles Displaying Autophagosomal Markers. PLoS Pathogens, 2014, 10, e1004045.	2.1	258
16	Autophagy During Cardiac Stress: Joys and Frustrations of Autophagy. Annual Review of Physiology, 2010, 72, 45-59.	5.6	247
17	Bcl-2 family members and apoptosis, taken to heart. American Journal of Physiology - Cell Physiology, 2007, 292, C45-C51.	2.1	245
18	LPS-induced autophagy is mediated by oxidative signaling in cardiomyocytes and is associated with cytoprotection. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H470-H479.	1.5	244

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19	Calpain and Mitochondria in Ischemia/Reperfusion Injury. Journal of Biological Chemistry, 2002, 277, 29181-29186.	1.6	240
20	Autophagy in health and disease. 5. Mitophagy as a way of life. American Journal of Physiology - Cell Physiology, 2010, 299, C203-C210.	2.1	216
21	Loss of Function of Cytochrome c in Jurkat Cells Undergoing Fas-mediated Apoptosis. Journal of Biological Chemistry, 1996, 271, 21629-21636.	1.6	206
22	New Horizons in Cardioprotection. Circulation, 2011, 124, 1172-1179.	1.6	200
23	Apoptosis in Myocardial Ischemia-Reperfusion. Annals of the New York Academy of Sciences, 1999, 874, 412-426.	1.8	188
24	Mesencephalic Astrocyte-derived Neurotrophic Factor Protects the Heart from Ischemic Damage and Is Selectively Secreted upon Sarco/endoplasmic Reticulum Calcium Depletion. Journal of Biological Chemistry, 2012, 287, 25893-25904.	1.6	178
25	Recycle or die: The role of autophagy in cardioprotection. Journal of Molecular and Cellular Cardiology, 2008, 44, 654-661.	0.9	177
26	Juvenile Exposure to Anthracyclines Impairs Cardiac Progenitor Cell Function and Vascularization Resulting in Greater Susceptibility to Stress-Induced Myocardial Injury in Adult Mice. Circulation, 2010, 121, 675-683.	1.6	176
27	Mitochondria: execution central. FEBS Letters, 2000, 482, 6-12.	1.3	170
28	Bcl-2 and the Outer Mitochondrial Membrane in the Inactivation of Cytochrome c during Fas-mediated Apoptosis. Journal of Biological Chemistry, 1997, 272, 21878-21882.	1.6	161
29	Reduction of ischemia and reperfusion-induced myocardial damage by cytochrome P450 inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1321-1326.	3.3	158
30	A Wave of Reactive Oxygen Species (ROS)-Induced ROS Release in a Sea of Excitable Mitochondria. Antioxidants and Redox Signaling, 2006, 8, 1651-1665.	2.5	158
31	Apoptosis Repressor with Caspase Recruitment Domain Protects against Cell Death by Interfering with Bax Activation. Journal of Biological Chemistry, 2004, 279, 21233-21238.	1.6	156
32	Mitophagy Is Required for Acute Cardioprotection by Simvastatin. Antioxidants and Redox Signaling, 2014, 21, 1960-1973.	2.5	153
33	Autophagy Induced by Ischemic Preconditioning is Essential for Cardioprotection. Journal of Cardiovascular Translational Research, 2010, 3, 365-373.	1.1	152
34	MitoTimer. Autophagy, 2013, 9, 1852-1861.	4.3	143
35	Inhibition of mitochondrial calcium-independent phospholipase A2 (iPLA2) attenuates mitochondrial phospholipid loss and is cardioprotective. Biochemical Journal, 2002, 362, 23-32.	1.7	136
36	Ogg1 -Dependent DNA Repair Regulates NLRP3 Inflammasome and Prevents Atherosclerosis. Circulation Research, 2016, 119, e76-90.	2.0	135

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37	Regulation of the activity of caspases byL-carnitine and palmitoylcarnitine. FEBS Letters, 2000, 478, 19-25.	1.3	133
38	Cell Death Pathways in Acute Ischemia/Reperfusion Injury. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 233-238.	1.0	133
39	Myocardial stress and autophagy: mechanisms and potential therapies. Nature Reviews Cardiology, 2017, 14, 412-425.	6.1	133
40	Profound Cardioprotection With Chloramphenicol Succinate in the Swine Model of Myocardial Ischemia-Reperfusion Injury. Circulation, 2010, 122, S179-84.	1.6	132
41	Untangling Autophagy Measurements. Circulation Research, 2015, 116, 504-514.	2.0	125
42	Mechanisms of Apoptosis in the Heart. Journal of Clinical Immunology, 2003, 23, 447-459.	2.0	123
43	The autophagic response to nutrient deprivation in the hl-1 cardiac myocyte is modulated by Bcl-2 and sarco/endoplasmic reticulum calcium stores. FEBS Journal, 2007, 274, 3184-3197.	2.2	121
44	TAT Protein Transduction Into Isolated Perfused Hearts. Circulation, 2002, 106, 735-739.	1.6	120
45	Cyclophilin D is required for mitochondrial removal by autophagy in cardiac cells. Autophagy, 2010, 6, 462-472.	4.3	114
46	Mitochondrial turnover in the heart. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1295-1301.	1.9	110
47	Exercise reestablishes autophagic flux and mitochondrial quality control in heart failure. Autophagy, 2017, 13, 1304-1317.	4.3	110
48	Cutting Edge: Mitochondrial Assembly of the NLRP3 Inflammasome Complex Is Initiated at Priming. Journal of Immunology, 2018, 200, 3047-3052.	0.4	109
49	Insulin receptor substrate signaling suppresses neonatal autophagy in the heart. Journal of Clinical Investigation, 2013, 123, 5319-5333.	3.9	106
50	Stromal epigenetic alterations drive metabolic and neuroendocrine prostate cancer reprogramming. Journal of Clinical Investigation, 2018, 128, 4472-4484.	3.9	105
51	Autophagy as a Protective Response to Bnip3-Mediated Apoptotic Signaling in the Heart. Autophagy, 2006, 2, 307-309.	4.3	101
52	Review: Autophagy: Definition, Molecular Machinery, and Potential Role in Myocardial Ischemia-Reperfusion Injury. Journal of Cardiovascular Pharmacology and Therapeutics, 2010, 15, 220-230.	1.0	101
53	Exosome-Mediated Benefits of Cell Therapy in Mouse and Human Models of Duchenne Muscular Dystrophy. Stem Cell Reports, 2018, 10, 942-955.	2.3	101
54	Pim-1 Kinase Protects Mitochondrial Integrity in Cardiomyocytes. Circulation Research, 2010, 106, 1265-1274.	2.0	100

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55	MitoTimer probe reveals the impact of autophagy, fusion, and motility on subcellular distribution of young and old mitochondrial protein and on relative mitochondrial protein age. Autophagy, 2013, 9, 1887-1896.	4.3	100
56	Events in Apoptosis. Journal of Biological Chemistry, 1996, 271, 16260-16262.	1.6	99
57	Ischemia/reperfusion injury at the intersection with cell death. Journal of Molecular and Cellular Cardiology, 2005, 38, 21-33.	0.9	99
58	Proapoptotic BCL-2 family members and mitochondrial dysfunction during ischemia/reperfusion injury, a study employing cardiac HL-1 cells and GFP biosensors. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 667-678.	0.5	98
59	Activation of the JNK pathway is important for cardiomyocyte death in response to simulated ischemia. Cell Death and Differentiation, 1999, 6, 987-991.	5.0	97
60	Cardioprotection requires taking out the trash. Basic Research in Cardiology, 2009, 104, 169-180.	2.5	91
61	Autophagy: an affair of the heart. Heart Failure Reviews, 2013, 18, 575-584.	1.7	91
62	This old heart: Cardiac aging and autophagy. Journal of Molecular and Cellular Cardiology, 2015, 83, 44-54.	0.9	91
63	Mitochondrial quality control: Easy come, easy go. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2802-2811.	1.9	91
64	Unlocking the Secrets of Mitochondria in the Cardiovascular System. Circulation, 2019, 140, 1205-1216.	1.6	91
65	Physiological Mitochondrial Fragmentation Is a Normal Cardiac Adaptation to Increased Energy Demand. Circulation Research, 2018, 122, 282-295.	2.0	90
66	Mitochondria and Apoptosis. NeuroSignals, 2001, 10, 147-161.	0.5	89
67	Bnip3 mediates permeabilization of mitochondria and release of cytochrome c via a novel mechanism. Journal of Molecular and Cellular Cardiology, 2010, 48, 1146-1156.	0.9	86
68	Autophagy is required for preconditioning by the adenosine A1 receptor-selective agonist CCPA. Basic Research in Cardiology, 2009, 104, 157-167.	2.5	84
69	Cytochrome P450: major player in reperfusion injury. Archives of Biochemistry and Biophysics, 2003, 420, 262-267.	1.4	83
70	Endoplasmic reticulum protein BI-1 regulates Ca²⁺-mediated bioenergetics to promote autophagy. Genes and Development, 2012, 26, 1041-1054.	2.7	83
71	Recent progress in understanding coxsackievirus replication, dissemination, and pathogenesis. Virology, 2015, 484, 288-304.	1.1	83
72	Effect of Vacuolar Proton ATPase on pH _i , Ca ²⁺ , and Apoptosis in Neonatal Cardiomyocytes During Metabolic Inhibition/Recovery. Circulation Research, 1998, 82, 1139-1144.	2.0	82

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73	Calcineurin transgenic mice have mitochondrial dysfunction and elevated superoxide production. American Journal of Physiology - Cell Physiology, 2003, 284, C562-C570.	2.1	81
74	The Personal Human Oral Microbiome Obscures the Effects of Treatment on Periodontal Disease. PLoS ONE, 2014, 9, e86708.	1.1	79
75	Nitrogen Cavitation for Cell Disruption to Obtain Mitochondria from Cultured Cells. Methods in Enzymology, 2000, 322, 213-221.	0.4	78
76	Eat your heart out: Role of autophagy in myocardial ischemia/reperfusion. Autophagy, 2008, 4, 416-421.	4.3	77
77	Autophagy and protein kinase C are required for cardioprotection by sulfaphenazole. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H570-H579.	1.5	77
78	Analyzing mitochondrial changes during apoptosis. Methods, 2002, 26, 341-347.	1.9	75
79	Clinical Implications of Apoptosis in Ischemic Myocardium. Current Problems in Cardiology, 2006, 31, 181-264.	1.1	71
80	Mitochondrial remodeling: Rearranging, recycling, and reprogramming. Cell Calcium, 2016, 60, 88-101.	1.1	71
81	Coxsackievirus B Escapes the Infected Cell in Ejected Mitophagosomes. Journal of Virology, 2017, 91, .	1.5	69
82	Molecular and cellular mechanisms involved in the Trypanosoma cruzi/host cell interplay. IUBMB Life, 2012, 64, 387-396.	1.5	62
83	A time to reap, a time to sow: Mitophagy and biogenesis in cardiac pathophysiology. Journal of Molecular and Cellular Cardiology, 2015, 78, 62-72.	0.9	62
84	Lack of Release of Cytochrome c from Mitochondria into Cytosol Early in the Course of Fas-mediated Apoptosis of Jurkat Cells. Journal of Biological Chemistry, 1998, 273, 19892-19894.	1.6	60
85	The Mitochondrial Voltage-dependent Anion Channel (VDAC) as a Therapeutic Target for Initiating Cell Death. Current Medicinal Chemistry, 2003, 10, 1527-1533.	1.2	57
86	Chapter 16 Novel Methods for Measuring Cardiac Autophagy In Vivo. Methods in Enzymology, 2009, 453, 325-342.	0.4	57
87	The Association of Statin Use after Cancer Diagnosis with Survival in Pancreatic Cancer Patients: A SEER-Medicare Analysis. PLoS ONE, 2015, 10, e0121783.	1.1	57
88	Myocardial autophagic energy stress responsesâ€"macroautophagy, mitophagy, and glycophagy. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1194-H1204.	1.5	57
89	Intercepting the Lipid-Induced Integrated Stress Response Reduces Atherosclerosis. Journal of the American College of Cardiology, 2019, 73, 1149-1169.	1.2	57
90	New and revisited approaches to preserving the reperfused myocardium. Nature Reviews Cardiology, 2017, 14, 679-693.	6.1	56

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91	Î±-MHC MitoTimer mouse: In vivo mitochondrial turnover model reveals remarkable mitochondrial heterogeneity in the heart. Journal of Molecular and Cellular Cardiology, 2016, 90, 53-58.	0.9	54
92	The Role of Autophagy during Group B Streptococcus Infection of Blood-Brain Barrier Endothelium. Journal of Biological Chemistry, 2014, 289, 35711-35723.	1.6	50
93	Chemotherapy and cardiotoxicity. Reviews in Cardiovascular Medicine, 2008, 9, 75-83.	0.5	50
94	Phosphorylation of Mitochondrial Elongation Factor Tu in Ischemic Myocardium. Circulation Research, 2001, 89, 461-467.	2.0	49
95	Acute induction of autophagy as a novel strategy for cardioprotection. Autophagy, 2011, 7, 432-433.	4.3	49
96	Mitochondrial function in engineered cardiac tissues is regulated by extracellular matrix elasticity and tissue alignment. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H757-H767.	1.5	48
97	Proliferation, not apoptosis, alters epithelial cell migration in small intestine of CFTR null mice. American Journal of Physiology - Renal Physiology, 2001, 281, G681-G687.	1.6	47
98	Mitochondria: Regulators of Cell Death and Survival. Scientific World Journal, The, 2002, 2, 1569-1578.	0.8	47
99	Mitophagy and mitochondrial biogenesis in atrial tissue of patients undergoing heart surgery with cardiopulmonary bypass. JCI Insight, 2017, 2, e89303.	2.3	46
100	Parkinâ€mediated mitophagy is downregulated in browning of white adipose tissue. Obesity, 2017, 25, 704-712.	1.5	45
101	MitoTimer: a novel protein for monitoring mitochondrial turnover in the heart. Journal of Molecular Medicine, 2015, 93, 271-278.	1.7	44
102	Oxidative muscles have better mitochondrial homeostasis than glycolytic muscles throughout life and maintain mitochondrial function during aging. Aging, 2018, 10, 3327-3352.	1.4	44
103	Mitochondrial signaling in apoptosis: Mitochondrial daggers to the breaking heart. Basic Research in Cardiology, 2003, 98, 242-249.	2.5	43
104	Mitochondrial Therapeutics for Cardioprotection. Current Pharmaceutical Design, 2011, 17, 2017-2035.	0.9	42
105	Contribution of Lethal Toxin and Edema Toxin to the Pathogenesis of Anthrax Meningitis. Infection and Immunity, 2011, 79, 2510-2518.	1.0	42
106	Autophagy, Myocardial Protection, and the Metabolic Syndrome. Journal of Cardiovascular Pharmacology, 2012, 60, 125-132.	0.8	42
107	Super-Obese Patient-Derived iPSC Hypothalamic Neurons Exhibit Obesogenic Signatures and Hormone Responses. Cell Stem Cell, 2018, 22, 698-712.e9.	5.2	42
108	CRYAB and HSPB2 deficiency alters cardiac metabolism and paradoxically confers protection against myocardial ischemia in aging mice. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3201-H3209.	1.5	40

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109	The role of autophagy during coxsackievirus infection of neural progenitor and stem cells. Autophagy, 2012, 8, 938-953.	4.3	37
110	Mitophagy and Mitochondrial Quality Control Mechanisms in the Heart. Current Pathobiology Reports, 2017, 5, 161-169.	1.6	37
111	Activation of the Homeostatic Intracellular Repair Response During Cardiac Surgery. Journal of the American College of Surgeons, 2013, 216, 719-726.	0.2	36
112	Sex differences in ischemic heart disease and heart failure biomarkers. Biology of Sex Differences, 2018, 9, 43.	1.8	35
113	S1P1-Selective Agonist SEW2871 Exacerbates Reperfusion Arrhythmias. Journal of Cardiovascular Pharmacology, 2007, 50, 660-669.	0.8	32
114	Polyamine depletion inhibits the autophagic response modulatingTrypanosoma cruziinfectivity. Autophagy, 2013, 9, 1080-1093.	4.3	32
115	At the heart of mitochondrial quality control: many roads to the top. Cellular and Molecular Life Sciences, 2021, 78, 3791-3801.	2.4	32
116	Cytochrome c dissociation and release from mitochondria by truncated Bid and ceramide. Mitochondrion, 2003, 2, 237-244.	1.6	31
117	Discordant signaling and autophagy response to fasting in hearts of obese mice: Implications for ischemia tolerance. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H219-H228.	1.5	30
118	Myocardial hypothermia increases autophagic flux, mitochondrial mass and myocardial function after ischemia-reperfusion injury. Scientific Reports, 2019, 9, 10001.	1.6	29
119	Impaired mitophagy at the heart of injury. Autophagy, 2011, 7, 1573-1574.	4.3	28
120	Mitochondria shape cardiac metabolism. Science, 2015, 350, 1162-1163.	6.0	28
121	Coxsackievirus B infection induces the extracellular release of miR-590-5p, a proviral microRNA. Virology, 2019, 529, 169-176.	1.1	28
122	Methionine Adenosyltransferase Î±1 Is Targeted to the Mitochondrial Matrix and Interacts with Cytochrome P450 2E1 to Lower Its Expression. Hepatology, 2019, 70, 2018-2034.	3.6	27
123	Role of Mitochondria in Apoptosis. Critical Reviews in Eukaryotic Gene Expression, 2000, 10, 231-9.	0.4	26
124	Lost in translation: miRNAs and mRNAs in ischemic preconditioning and ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2016, 95, 70-77.	0.9	25
125	Hypercholesterolemia downregulates autophagy in the rat heart. Lipids in Health and Disease, 2017, 16, 60.	1.2	25
126	Murine macrophage autophagy protects against alcohol-induced liver injury by degrading interferon regulatory factor 1 (IRF1) and removing damaged mitochondria. Journal of Biological Chemistry, 2019, 294, 12359-12369.	1.6	25

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127	Measuring Cardiac Autophagic Flux In Vitro and In Vivo. Methods in Molecular Biology, 2015, 1219, 187-197.	0.4	25
128	Recruitment of pro-IL-1Î± to mitochondrial cardiolipin, via shared LC3 binding domain, inhibits mitophagy and drives maximal NLRP3 activation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
129	Seeing death in the living. Nature Medicine, 2001, 7, 1277-1278.	15.2	24
130	Simvastatin induces autophagic flux to restore cerulein-impaired phagosome-lysosome fusion in acute pancreatitis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 165530.	1.8	24
131	Autophagy-mitophagy induction attenuates cardiovascular inflammation in a murine model of Kawasaki disease vasculitis. JCI Insight, 2021, 6, .	2.3	23
132	Xenotransplantation of Mitochondrial Electron Transfer Enzyme, Ndi1, in Myocardial Reperfusion Injury. PLoS ONE, 2011, 6, e16288.	1.1	23
133	Granulocyte Colony-Stimulating Factor Upregulates the Vacuolar Proton ATPase in Human Neutrophils. Blood, 1997, 90, 4598-4601.	0.6	22
134	Bicarbonate Increases Ischemia-Reperfusion Damage by Inhibiting Mitophagy. PLoS ONE, 2016, 11, e0167678.	1.1	22
135	Antagonizing CD105 enhances radiation sensitivity in prostate cancer. Oncogene, 2018, 37, 4385-4397.	2.6	21
136	Proteomics reveals Rictor as a noncanonical TGF-Î² signaling target during aneurysm progression in Marfan mice. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1112-H1126.	1.5	20
137	Autophagy plays a protective role against Trypanosoma cruzi infection in mice. Virulence, 2019, 10, 151-165.	1.8	18
138	Depletion of mitochondrial methionine adenosyltransferase Î±1 triggers mitochondrial dysfunction in alcohol-associated liver disease. Nature Communications, 2022, 13, 557.	5.8	18
139	Attenuation of Adverse Postinfarction Left Ventricular Remodeling with Empagliflozin Enhances Mitochondria-Linked Cellular Energetics and Mitochondrial Biogenesis. International Journal of Molecular Sciences, 2022, 23, 437.	1.8	18
140	Cardioprotection through autophagy. Autophagy, 2011, 7, 434-435.	4.3	17
141	Measurement of Mitochondrial Turnover and Life Cycle Using MitoTimer. Methods in Enzymology, 2014, 547, 21-38.	0.4	16
142	Periodontal disease and its connection to systemic biomarkers of cardiovascular disease in young American Indian/Alaskan natives. Journal of Periodontology, 2018, 89, 219-227.	1.7	16
143	Parkin, an E3 ubiquitin ligase, enhances airway mitochondrial DNA release and inflammation. Thorax, 2020, 75, 717-724.	2.7	16
144	Asporin, an extracellular matrix protein, is a beneficial regulator of cardiac remodeling. Matrix Biology, 2022, 110, 40-59.	1.5	16

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145	Mitochondria: Ignition Chamber for Apoptosis. Molecular Genetics and Metabolism, 1999, 68, 227-231.	0.5	15
146	The pattern of MAP-2 binding on microtubules: visual enhancement of MAP attachment sites by antibody labeling and electron microscopy. Journal of Ultrastructure Research, 1983, 85, 175-185.	1.4	13
147	Differential processing of cytosolic and mitochondrial caspases. Mitochondrion, 2001, 1, 61-69.	1.6	13
148	The Impact of Juvenile Coxsackievirus Infection on Cardiac Progenitor Cells and Postnatal Heart Development. PLoS Pathogens, 2014, 10, e1004249.	2.1	13
149	Myocardial fibrosis after adrenergic stimulation as a long-term sequela in a mouse model of Kawasaki disease vasculitis. JCI Insight, 2019, 4, .	2.3	13
150	Reduction of Infarct Size by the Therapeutic Protein TAT-Ndi1 In Vivo. Journal of Cardiovascular Pharmacology and Therapeutics, 2014, 19, 315-320.	1.0	12
151	Autophagosome formation is required for cardioprotection by chloramphenicol. Life Sciences, 2017, 186, 11-16.	2.0	11
152	Matrix-guided control of mitochondrial function in cardiac myocytes. Acta Biomaterialia, 2019, 97, 281-295.	4.1	11
153	Intermittent Use of a Short-Course Glucagon-like Peptide-1 Receptor Agonist Therapy Limits Adverse Cardiac Remodeling via Parkin-dependent Mitochondrial Turnover. Scientific Reports, 2020, 10, 8284.	1.6	11
154	TAT-mediated protein transduction: delivering biologically active proteins to the heart. Methods in Molecular Medicine, 2005, 112, 81-90.	0.8	10
155	Cell-permeable protein therapy for complex I dysfunction. Journal of Bioenergetics and Biomembranes, 2014, 46, 337-345.	1.0	9
156	Decrease of Cardiac Parkin Protein in Obese Mice. Frontiers in Cardiovascular Medicine, 2019, 6, 191.	1.1	9
157	Î² 2 â€adrenoceptor activation improves skeletal muscle autophagy in neurogenic myopathy. FASEB Journal, 2020, 34, 5628-5641.	0.2	9
158	Mechanisms and Consequences of Cardiac Ischemia-Reperfusion Injury: Insights and Evidence to Improve Outcomes. American Journal of Cardiology, 2010, 106, S2.	0.7	8
159	Suppression of Cardiac Autophagy by Hyperinsulinemia in Insulin Receptor-Deficient Hearts Is Mediated by Insulin-Like Growth Factor Receptor Signaling. Antioxidants and Redox Signaling, 2019, 31, 444-457.	2.5	8
160	Pharmacology of Caspase Inhibitors in Rabbit Cardiomyocytes Subjected to Metabolic Inhibition and Recovery. Antioxidants and Redox Signaling, 2001, 3, 113-123.	2.5	7
161	ICE-ing the Heart. Circulation Research, 2005, 96, 1036-1038.	2.0	7
162	Regulation of Fas-Mediated Apoptosis. Current Topics in Cellular Regulation, 1997, 35, 69-105.	9.6	6

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163	Identification of Targets of Phosphorylation in Heart Mitochondria. , 2007, 357, 127-138.		6
164	MitoPlex: A targeted multiple reaction monitoring assay for quantification of a curated set of mitochondrial proteins. Journal of Molecular and Cellular Cardiology, 2020, 142, 1-13.	0.9	6
165	Elevated Asparagine Biosynthesis Drives Brain Tumor Stem Cell Metabolic Plasticity and Resistance to Oxidative Stress. Molecular Cancer Research, 2021, 19, 1375-1388.	1.5	6
166	Autophagy deficiency abolishes liver mitochondrial DNA segregation. Autophagy, 2022, 18, 2397-2408.	4.3	6
167	Cytochromes P450 and ischemic heart injury: Potential role for inhibitors in the treatment of myocardial infarction. Drug Discovery Today Disease Mechanisms, 2005, 2, 123-127.	0.8	5
168	Proteomics of Mouse Heart Ventricles Reveals Mitochondria and Metabolism as Major Targets of a Post-Infarction Short-Acting GLP1Ra-Therapy. International Journal of Molecular Sciences, 2021, 22, 8711.	1.8	4
169	PACT establishes a posttranscriptional brake on mitochondrial biogenesis by promoting the maturation of miR-181c. Journal of Biological Chemistry, 2022, 298, 102050.	1.6	4
170	Dynamic Proteomic and miRNA Analysis of Polysomes from Isolated Mouse Heart After Langendorff Perfusion. Journal of Visualized Experiments, 2018, , .	0.2	3
171	Neurotropin Inhibits Lipid Accumulation by Maintaining Mitochondrial Function in Hepatocytes via AMPK Activation. Frontiers in Physiology, 2020, 11, 950.	1.3	3
172	Role of Mitochondria in Apoptosis. Critical Reviews in Eukaryotic Gene Expression, 2000, 10, 10.	0.4	3
173	Measuring Autophagy in Vivo. , 2013, , 181-189.		2
174	Exploring ribosome composition and newly synthesized proteins through proteomics and potential biomedical applications. Expert Review of Proteomics, 2017, 14, 529-543.	1.3	2
175	Sensing Protein Quality in Cardiac Myocytes p62 Triggers a Lysosomal Response. Circulation Research, 2020, 127, 519-521.	2.0	2
176	Myocardial ultrastructure can augment genetic testing for sporadic dilated cardiomyopathy with initial heart failure. ESC Heart Failure, 2021, 8, 5178-5191.	1.4	2
177	Hypothermia promotes mitochondrial elongation In cardiac cells via inhibition of Drp1. Cryobiology, 2021, 102, 42-55.	0.3	2
178	Acute renal failure in a female adolescent with leukemia in remission. Journal of Pediatrics, 1991, 119, 999-1006.	0.9	1
179	Differential Processing of Cytosolic and Mitochondrial Caspases. Scientific World Journal, The, 2001, 1, 42-42.	0.8	1
180	Debatable contribution of mitochondrial swelling to cell swelling in ischemia. Journal of Molecular and Cellular Cardiology, 2003, 35, 735-737.	0.9	1

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181	TAT-Mediated Protein Transduction. , 2005, , 81-90.		1
182	Indigestible mitochondria cause heartburn. Cell Research, 2012, 22, 1518-1520.	5.7	1
183	Mitochondria in Cardiac Disease. , 2012, , 63-82.		1
184	Tragic heart, magic art. Heart Failure Reviews, 2013, 18, 555-555.	1.7	1
185	Autophagy and the human heart. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 369-370.	0.4	1
186	Identification of Targets of Phosphorylation in Heart Mitochondria. , 0, , 279-291.		0
187	Modulation of Cardiac Function by Lipid Metabolites. Journal of Cardiovascular Pharmacology, 2009, 53, 187-188.	0.8	0
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