

Edward J Lesnefsky

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130
papers

8,951
citations

48
h-index

94
g-index

135
ext. papers

9,938
ext. citations

5.5
avg, IF

6
L-index

#	Paper	IF	Citations
130	Production of reactive oxygen species by mitochondria: central role of complex III. <i>Journal of Biological Chemistry</i> , 2003 , 278, 36027-31	5.4	1170
129	Function of mitochondrial Stat3 in cellular respiration. <i>Science</i> , 2009 , 323, 793-7	33.3	702
128	Mitochondrial dysfunction in cardiac disease: ischemia--reperfusion, aging, and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 1065-89	5.8	568
127	Intracoronary ultrasound imaging: correlation of plaque morphology with angiography, clinical syndrome and procedural results in patients undergoing coronary angioplasty. <i>Journal of the American College of Cardiology</i> , 1993 , 21, 35-44	15.1	304
126	Sphingosine-1-phosphate produced by sphingosine kinase 2 in mitochondria interacts with prohibitin 2 to regulate complex IV assembly and respiration. <i>FASEB Journal</i> , 2011 , 25, 600-12	0.9	256
125	Ischemic defects in the electron transport chain increase the production of reactive oxygen species from isolated rat heart mitochondria. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C460-6	5.4	243
124	Modulation of electron transport protects cardiac mitochondria and decreases myocardial injury during ischemia and reperfusion. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C137-47	5.4	212
123	Aging selectively decreases oxidative capacity in rat heart interfibrillar mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 372, 399-407	4.1	206
122	Mitochondrial Dysfunction and Myocardial Ischemia-Reperfusion: Implications for Novel Therapies. <i>Annual Review of Pharmacology and Toxicology</i> , 2017 , 57, 535-565	17.9	188
121	Blockade of electron transport during ischemia protects cardiac mitochondria. <i>Journal of Biological Chemistry</i> , 2004 , 279, 47961-7	5.4	178
120	Mitochondrial-targeted Signal transducer and activator of transcription 3 (STAT3) protects against ischemia-induced changes in the electron transport chain and the generation of reactive oxygen species. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29610-20	5.4	164
119	Reversible blockade of electron transport during ischemia protects mitochondria and decreases myocardial injury following reperfusion. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 319, 1405-12	4.7	164
118	Mitochondrial Metabolism in Aging Heart. <i>Circulation Research</i> , 2016 , 118, 1593-611	15.7	163
117	Myocardial ischemia selectively depletes cardiolipin in rabbit heart subsarcolemmal mitochondria. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H2770-8	5.2	143
116	Potential therapeutic benefits of strategies directed to mitochondria. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 279-347	8.4	139
115	Metabolic gene remodeling and mitochondrial dysfunction in failing right ventricular hypertrophy secondary to pulmonary arterial hypertension. <i>Circulation: Heart Failure</i> , 2013 , 6, 136-44	7.6	134
114	Ischemic injury to mitochondrial electron transport in the aging heart: damage to the iron-sulfur protein subunit of electron transport complex III. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 385, 117-23	4.1	134

113	Oxidative phosphorylation and aging. <i>Ageing Research Reviews</i> , 2006 , 5, 402-33	12	125
112	Aging decreases electron transport complex III activity in heart interfibrillar mitochondria by alteration of the cytochrome c binding site. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 37-47	5.8	124
111	Mitochondrial localized Stat3 promotes breast cancer growth via phosphorylation of serine 727. <i>Journal of Biological Chemistry</i> , 2013 , 288, 31280-8	5.4	120
110	Interleukin-1 Blockade in Recently Decompensated Systolic Heart Failure: Results From REDHART (Recently Decompensated Heart Failure Anakinra Response Trial). <i>Circulation: Heart Failure</i> , 2017 , 10,	7.6	114
109	Blockade of electron transport before cardiac ischemia with the reversible inhibitor amobarbital protects rat heart mitochondria. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 200-7	4.7	113
108	Cardiolipin remodeling in the heart. <i>Journal of Cardiovascular Pharmacology</i> , 2009 , 53, 290-301	3.1	105
107	Aging defect at the QO site of complex III augments oxyradical production in rat heart interfibrillar mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 2003 , 414, 59-66	4.1	103
106	Depletion of cardiolipin and cytochrome c during ischemia increases hydrogen peroxide production from the electron transport chain. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 976-82	7.8	102
105	Ischemia, rather than reperfusion, inhibits respiration through cytochrome oxidase in the isolated, perfused rabbit heart: role of cardiolipin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H258-67	5.2	98
104	Cytoprotection by the modulation of mitochondrial electron transport chain: the emerging role of mitochondrial STAT3. <i>Mitochondrion</i> , 2012 , 12, 180-9	4.9	95
103	Ischemia-reperfusion injury in the aged heart: role of mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 2003 , 420, 287-97	4.1	94
102	Left ventricular systolic dysfunction induced by ventricular ectopy: a novel model for premature ventricular contraction-induced cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011 , 4, 543-9	6.4	90
101	Separation and quantitation of phospholipids and lysophospholipids by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 2000 , 285, 246-54	3.1	83
100	Multi-tasking: nuclear transcription factors with novel roles in the mitochondria. <i>Trends in Cell Biology</i> , 2012 , 22, 429-37	18.3	82
99	Inhibited mitochondrial respiration by amobarbital during cardiac ischaemia improves redox state and reduces matrix Ca ²⁺ overload and ROS release. <i>Cardiovascular Research</i> , 2008 , 77, 406-15	9.9	81
98	What is the functional significance of the unique location of glutaredoxin 1 (GRx1) in the intermembrane space of mitochondria?. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 2027-33	8.4	77
97	Increased left ventricular dysfunction in elderly patients despite successful thrombolysis: the GUSTO-I angiographic experience. <i>Journal of the American College of Cardiology</i> , 1996 , 28, 331-7	15.1	77
96	Lidocaine reduces canine infarct size and decreases release of a lipid peroxidation product. <i>Journal of Cardiovascular Pharmacology</i> , 1989 , 13, 895-901	3.1	74

95	Sensitivity of protein sulfhydryl repair enzymes to oxidative stress. <i>Free Radical Biology and Medicine</i> , 1997 , 23, 373-84	7.8	73
94	Mitochondria-localized caveolin in adaptation to cellular stress and injury. <i>FASEB Journal</i> , 2012 , 26, 4637-49	6.9	72
93	Activation of mitochondrial calpain increases AIF cleavage in cardiac mitochondria during ischemia-reperfusion. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 415, 533-8	3.4	72
92	Dietary nitrate supplementation protects against Doxorubicin-induced cardiomyopathy by improving mitochondrial function. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 2181-9	15.1	71
91	Postconditioning inhibits mPTP opening independent of oxidative phosphorylation and membrane potential. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 902-9	5.8	69
90	Cardiolipin as an oxidative target in cardiac mitochondria in the aged rat. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 1020-7	4.6	62
89	Chronic inhibition of phosphodiesterase 5 with tadalafil attenuates mitochondrial dysfunction in type 2 diabetic hearts: potential role of NO/SIRT1/PGC-1 β signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1558-68	5.2	61
88	Glutaredoxin regulates apoptosis in cardiomyocytes via NFkappaB targets Bcl-2 and Bcl-xL: implications for cardiac aging. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 1339-53	8.4	58
87	A novel role for mitochondrial sphingosine-1-phosphate produced by sphingosine kinase-2 in PTP-mediated cell survival during cardioprotection. <i>Basic Research in Cardiology</i> , 2011 , 106, 1341-53	11.8	57
86	Enhanced modification of cardiolipin during ischemia in the aged heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 1008-15	5.8	53
85	Reversal of mitochondrial defects before ischemia protects the aged heart. <i>FASEB Journal</i> , 2006 , 20, 1543-5	0.9	52
84	Mitochondrial Complex I Inhibition by Metformin Limits Reperfusion Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 369, 282-290	4.7	49
83	Reversible blockade of electron transport with amobarbital at the onset of reperfusion attenuates cardiac injury. <i>Translational Research</i> , 2009 , 153, 224-31	11	49
82	Interfibrillar cardiac mitochondrial complex III defects in the aging rat heart. <i>Biogerontology</i> , 2002 , 3, 41-4	4.5	46
81	Activation of mitochondrial calpain and increased cardiac injury: beyond AIF release. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H376-84	5.2	46
80	Pivotal Importance of STAT3 in Protecting the Heart from Acute and Chronic Stress: New Advancement and Unresolved Issues. <i>Frontiers in Cardiovascular Medicine</i> , 2015 , 2, 36	5.4	45
79	Blockade of electron transport during ischemia preserves bcl-2 and inhibits opening of the mitochondrial permeability transition pore. <i>FEBS Letters</i> , 2011 , 585, 921-6	3.8	45
78	Metformin attenuates ER stress-induced mitochondrial dysfunction. <i>Translational Research</i> , 2017 , 190, 40-50	11	43

77	Inhibition of Bcl-2 sensitizes mitochondrial permeability transition pore (MPTP) opening in ischemia-damaged mitochondria. <i>PLoS ONE</i> , 2015 , 10, e0118834	3.7	36
76	Inhibition of apoptosis signal-regulating kinase 1 reduces myocardial ischemia-reperfusion injury in the mouse. <i>Journal of the American Heart Association</i> , 2012 , 1, e002360	6	35
75	Transient complex I inhibition at the onset of reperfusion by extracellular acidification decreases cardiac injury. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 306, C1142-53	5.4	34
74	Dietary inorganic nitrate alleviates doxorubicin cardiotoxicity: mechanisms and implications. <i>Nitric Oxide - Biology and Chemistry</i> , 2012 , 26, 274-84	5	34
73	Postconditioning modulates ischemia-damaged mitochondria during reperfusion. <i>Journal of Cardiovascular Pharmacology</i> , 2012 , 59, 101-8	3.1	34
72	The lazaroïd U74006F, a 21-aminosteroid inhibitor of lipid peroxidation, attenuates myocardial injury from ischemia and reperfusion. <i>Journal of Cardiovascular Pharmacology</i> , 1992 , 20, 230-5	3.1	34
71	Depression screening in patients with coronary heart disease: a critical evaluation of the AHA guidelines. <i>Journal of Psychosomatic Research</i> , 2011 , 71, 6-12	4.1	33
70	Structure of cristae in cardiac mitochondria of aged rat. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 917-21	5.6	33
69	Cell cycle re-entry and mitochondrial defects in myc-mediated hypertrophic cardiomyopathy and heart failure. <i>PLoS ONE</i> , 2009 , 4, e7172	3.7	32
68	Blockade of electron transport before ischemia protects mitochondria and decreases myocardial injury during reperfusion in aged rat hearts. <i>Translational Research</i> , 2012 , 160, 207-16	11	30
67	Blockade of electron transport at the onset of reperfusion decreases cardiac injury in aged hearts by protecting the inner mitochondrial membrane. <i>Journal of Aging Research</i> , 2012 , 2012, 753949	2.3	30
66	Dimethylthiourea, but not dimethylsulfoxide, reduces canine myocardial infarct size. <i>Free Radical Biology and Medicine</i> , 1989 , 7, 53-8	7.8	30
65	Effects of Testosterone and Evoked Resistance Exercise after Spinal Cord Injury (TEREX-SCI): study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2017 , 7, e014125	3	29
64	Electron flow into cytochrome c coupled with reactive oxygen species from the electron transport chain converts cytochrome c to a cardiolipin peroxidase: role during ischemia-reperfusion. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 3199-207	4	29
63	Reduction of infarct size by cell-permeable oxygen metabolite scavengers. <i>Free Radical Biology and Medicine</i> , 1992 , 12, 429-46	7.8	29
62	Mitochondrial health and muscle plasticity after spinal cord injury. <i>European Journal of Applied Physiology</i> , 2019 , 119, 315-331	3.4	29
61	Heart mitochondria and calpain 1: Location, function, and targets. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 2372-8	6.9	28
60	Isolating the segment of the mitochondrial electron transport chain responsible for mitochondrial damage during cardiac ischemia. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 397, 656-60	3.4	27

59	Cardioprotective function of mitochondrial-targeted and transcriptionally inactive STAT3 against ischemia and reperfusion injury. <i>Basic Research in Cardiology</i> , 2015 , 110, 53	11.8	26
58	Inhibition of the ubiquitous calpains protects complex I activity and enables improved mitophagy in the heart following ischemia-reperfusion. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C910-C921	5.4	26
57	Effects of acute left anterior descending occlusion on regional myocardial blood flow and wall thickening in the presence of a circumflex stenosis in dogs. <i>American Journal of Cardiology</i> , 1984 , 54, 399-406	3	26
56	Mitochondrial Dysfunction in Cardiovascular Aging. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 982, 451-464	3.6	25
55	Aging-dependent changes in rat heart mitochondrial glutaredoxins--Implications for redox regulation. <i>Redox Biology</i> , 2013 , 1, 586-98	11.3	25
54	Race and the decision to refer for coronary revascularization: the effect of physician awareness of patient ethnicity. <i>Journal of the American College of Cardiology</i> , 2001 , 38, 698-704	15.1	25
53	Reverse electron flow-mediated ROS generation in ischemia-damaged mitochondria: role of complex I inhibition vs. depolarization of inner mitochondrial membrane. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4537-42	4	24
52	Oxidation and release of glutathione from myocardium during early reperfusion. <i>Free Radical Biology and Medicine</i> , 1989 , 7, 31-5	7.8	24
51	Mitochondrial mass and activity as a function of body composition in individuals with spinal cord injury. <i>Physiological Reports</i> , 2017 , 5, e13080	2.6	22
50	Modulation of mitochondrial bioenergetics in the isolated Guinea pig beating heart by potassium and lidocaine cardioplegia: implications for cardioprotection. <i>Journal of Cardiovascular Pharmacology</i> , 2009 , 54, 298-309	3.1	21
49	Endoplasmic reticulum stress-induced complex I defect: Central role of calcium overload. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 683, 108299	4.1	20
48	The Signal Transducer and Activator of Transcription 1 (STAT1) Inhibits Mitochondrial Biogenesis in Liver and Fatty Acid Oxidation in Adipocytes. <i>PLoS ONE</i> , 2015 , 10, e0144444	3.7	19
47	Cardioprotection by modulation of mitochondrial respiration during ischemia-reperfusion: role of apoptosis-inducing factor. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 435, 627-33	3.4	18
46	Endoplasmic reticulum stress-mediated mitochondrial dysfunction in aged hearts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165899	6.9	18
45	Apolipoprotein A1 regulates coenzyme Q10 absorption, mitochondrial function, and infarct size in a mouse model of myocardial infarction. <i>Journal of Nutrition</i> , 2014 , 144, 1030-6	4.1	17
44	Skeletal muscle mitochondrial mass is linked to lipid and metabolic profile in individuals with spinal cord injury. <i>European Journal of Applied Physiology</i> , 2017 , 117, 2137-2147	3.4	17
43	Cardiac Specific Knockout of p53 Decreases ER Stress-Induced Mitochondrial Damage. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 10	5.4	16
42	Intermediary metabolism and fatty acid oxidation: novel targets of electron transport chain-driven injury during ischemia and reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H787-H795	5.2	16

41	Acquired deficiency of tafazzin in the adult heart: Impact on mitochondrial function and response to cardiac injury. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 294-300	5	13
40	Bivalent Compound 17MN Exerts Neuroprotection through Interaction at Multiple Sites in a Cellular Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 47, 1021-33	4.3	12
39	Plasma adiponectin levels are correlated with body composition, metabolic profiles, and mitochondrial markers in individuals with chronic spinal cord injury. <i>Spinal Cord</i> , 2018 , 56, 863-872	2.7	11
38	A deficiency of apoptosis inducing factor (AIF) in Harlequin mouse heart mitochondria paradoxically reduces ROS generation during ischemia-reperfusion. <i>Frontiers in Physiology</i> , 2014 , 5, 271	4.6	11
37	The IONA study: preparing the myocardium for ischaemia?. <i>Lancet, The</i> , 2002 , 359, 1262-3	4.0	11
36	mRNA Reprogramming of T8993G Leigh Syndrome Fibroblast Cells to Create Induced Pluripotent Stem Cell Models for Mitochondrial Disorders. <i>Stem Cells and Development</i> , 2019 , 28, 846-859	4.4	10
35	Leigh Syndrome: A Tale of Two Genomes. <i>Frontiers in Physiology</i> , 2021 , 12, 693734	4.6	8
34	Cardiomyocyte specific deletion of p53 decreases cell injury during ischemia-reperfusion: Role of Mitochondria. <i>Free Radical Biology and Medicine</i> , 2020 , 158, 162-170	7.8	7
33	The Commonalities and Differences in Mitochondrial Dysfunction Between and Myocardial Global Ischemia Rat Heart Models: Implications for Donation After Circulatory Death Research. <i>Frontiers in Physiology</i> , 2020 , 11, 681	4.6	6
32	Chronic metformin treatment decreases cardiac injury during ischemia-reperfusion by attenuating endoplasmic reticulum stress with improved mitochondrial function. <i>Aging</i> , 2021 , 13, 7828-7845	5.6	6
31	Remote Ischemic Pre-Conditioning Attenuates Adverse Cardiac Remodeling and Mortality Following Doxorubicin Administration in Mice. <i>JACC: CardioOncology</i> , 2019 , 1, 221-234	3.8	6
30	Safety of cardiac catheterization via peripheral vascular grafts. <i>Catheterization and Cardiovascular Diagnosis</i> , 1993 , 29, 113-6		5
29	Ischemia and reperfusion injury to mitochondria and cardiac function in donation after circulatory death hearts- an experimental study. <i>PLoS ONE</i> , 2020 , 15, e0243504	3.7	3
28	Increased Mitochondrial ROS Generation from Complex III Causes Mitochondrial Damage and Increases Endoplasmic Reticulum Stress. <i>FASEB Journal</i> , 2019 , 33, 543.13	0.9	3
27	Metformin and myocardial ischemia and reperfusion injury: Moving toward "prime time" human use?. <i>Translational Research</i> , 2021 , 229, 1-4	11	3
26	Preventing Myocardial Injury Following Non-Cardiac Surgery: A Potential Role for Preoperative Antioxidant Therapy with Ubiquinone. <i>Antioxidants</i> , 2021 , 10,	7.1	3
25	The Cardiac Dysfunction Caused by Metabolic Alterations in Alzheimer's Disease.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 850538	5.4	3
24	A New Strategy to Treat Mitochondrial Disease Without Improvement of Mitochondrial Function?. <i>EBioMedicine</i> , 2017 , 18, 19-20	8.8	2

23	Metformin as a modulator of myocardial fibrosis postmyocardial infarction via regulation of cardiomyocyte-fibroblast crosstalk. <i>Translational Research</i> , 2018 , 199, 1-3	11	2
22	Calpain-mediated protein targets in cardiac mitochondria following ischemia-reperfusion.. <i>Scientific Reports</i> , 2022 , 12, 138	4.9	2
21	Deficiency of Apoptosis Inducing Factor (AIF) decreases complex I activity and increases the ROS generation in isolated cardiac mitochondria. <i>FASEB Journal</i> , 2013 , 27, 1085.18	0.9	2
20	Neuromuscular electrical stimulation resistance training enhances oxygen uptake and ventilatory efficiency independent of mitochondrial complexes after spinal cord injury: a randomized clinical trial. <i>Journal of Applied Physiology</i> , 2021 , 131, 265-276	3.7	2
19	Cerebral and myocardial mitochondrial injury differ in a rat model of cardiac arrest and cardiopulmonary resuscitation. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 140, 111743	7.5	2
18	25-Hydroxycholesterol 3-Sulfate Recovers Acetaminophen Induced Acute Liver Injury via Stabilizing Mitochondria in Mouse Models. <i>Cells</i> , 2021 , 10,	7.9	1
17	Abstract 995: Blockade Of Electron Transport Preserves The Contents Of Bcl-2 And Cytochrome c In Subsarcolemmal Mitochondria During Ischemia. <i>Circulation</i> , 2007 , 116,	16.7	1
16	Prevention and Treatment of Duchenne Cardiomyopathy with Hydrogen Sulfide-Donor Therapy. <i>FASEB Journal</i> , 2019 , 33, 831.5	0.9	1
15	Activation of Mitochondrial Calpain 1 Leads to Degradation of PDH. <i>FASEB Journal</i> , 2018 , 32, 543.7	0.9	1
14	The mitochondrial electron transport chain contributes to calpain 1 activation during ischemia-reperfusion.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 613, 127-132	3.4	1
13	Mitochondrial Disruption in Cardiovascular Diseases 2018 , 241-267		
12	Blockade of the proximal, but not the distal, electron transport chain immediately before ischemia protects cardiac mitochondria. <i>FASEB Journal</i> , 2007 , 21, A1376	0.9	
11	Potential Consequences of Age-Dependent Changes in Glutaredoxin in Cardiomyocytes. <i>FASEB Journal</i> , 2007 , 21, A1150	0.9	
10	Ischemic damage to the mitochondrial electron transport chain favors opening of the permeability transition pore. <i>FASEB Journal</i> , 2008 , 22, 750.6	0.9	
9	Reduction of Reperfusion Cardiac Injury in Donation After Circulatory Death Hearts Through Modulation of Electron Transport. <i>FASEB Journal</i> , 2018 , 32, 580.4	0.9	
8	Activation of Mitochondrial Calpains Contributes to the Selective Degradation of Specific Mitochondrial Proteins. <i>FASEB Journal</i> , 2019 , 33, 802.15	0.9	
7	Activation of mitochondrial-u-calpain sensitizes opening of the mitochondrial permeability transition pore during ischemia-reperfusion (648.11). <i>FASEB Journal</i> , 2014 , 28, 648.11	0.9	
6	Postconditioning during reperfusion attenuates myocardial injury without improved mitochondrial oxidative phosphorylation. <i>FASEB Journal</i> , 2009 , 23, 763.5	0.9	

- 5 Acidification inhibits complex I: potential mechanism of cardiac protection at the onset of reperfusion. *FASEB Journal*, **2011**, 25, 1097.22 0.9
- 4 Reversible, brief blockade of mitochondrial respiration at the onset of reperfusion decreases myocardial injury in aging hearts. *FASEB Journal*, **2011**, 25, 1033.4 0.9
- 3 Reactive Oxygen Species and Electron Flow Are Needed to Oxidize Cytochrome c at the Methionine Residues. *FASEB Journal*, **2013**, 27, 1085.20 0.9
- 2 Time to Target Mitochondrial Reactive Oxygen Species Generation from Complex I.. *Function*, **2022**, 3, zqac010 6.1
- 1 Assessment of mitochondrial respiratory capacity using minimally invasive and noninvasive techniques in persons with spinal cord injury.. *PLoS ONE*, **2022**, 17, e0265141 3.7