

David A Brown

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10830148/publications.pdf>

Version: 2024-02-01

65
papers

3,306
citations

147801

31
h-index

149698

56
g-index

66
all docs

66
docs citations

66
times ranked

5465
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial function as a therapeutic target in heart failure. <i>Nature Reviews Cardiology</i> , 2017, 14, 238-250.	13.7	525
2	Cardiac mitochondria and arrhythmias. <i>Cardiovascular Research</i> , 2010, 88, 241-249.	3.8	183
3	Exercise training preserves coronary flow and reduces infarct size after ischemia-reperfusion in rat heart. <i>Journal of Applied Physiology</i> , 2003, 95, 2510-2518.	2.5	134
4	Reduction of Ischemia/Reperfusion Injury With Bendavia, a Mitochondria-Targeting Cytoprotective Peptide. <i>Journal of the American Heart Association</i> , 2012, 1, e001644.	3.7	130
5	Susceptibility of the heart to ischaemia-reperfusion injury and exercise-induced cardioprotection are sex-dependent in the rat. <i>Journal of Physiology</i> , 2005, 564, 619-630.	2.9	123
6	Cardioprotection afforded by chronic exercise is mediated by the sarcolemmal, and not the mitochondrial, isoform of the KATP channel in the rat. <i>Journal of Physiology</i> , 2005, 569, 913-924.	2.9	104
7	Short-term treadmill running in the rat: what kind of stressor is it?. <i>Journal of Applied Physiology</i> , 2007, 103, 1979-1985.	2.5	103
8	Cardiac arrhythmias induced by glutathione oxidation can be inhibited by preventing mitochondrial depolarization. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 673-679.	1.9	96
9	Exercise-induced cardiac preconditioning: how exercise protects your achy-breaky heart. <i>Journal of Applied Physiology</i> , 2011, 111, 905-915.	2.5	96
10	Mitochondrial permeability transition in the diabetic heart: Contributions of thiol redox state and mitochondrial calcium to augmented reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 1009-1018.	1.9	92
11	Reduction of Early Reperfusion Injury With the Mitochondria-Targeting Peptide Bendavia. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2014, 19, 121-132.	2.0	88
12	Effects of 4'-chlorodiazepam on cellular excitation-contraction coupling and ischaemia-reperfusion injury in rabbit heart. <i>Cardiovascular Research</i> , 2008, 79, 141-149.	3.8	79
13	Role of mitochondrial dysfunction in cardiac glycoside toxicity. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 728-736.	1.9	77
14	Sex differences in myocardial infarct size are abolished by sarcolemmal KATP channel blockade in rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H2644-H2647.	3.2	75
15	Restoration of CREB function is linked to completion and stabilization of adaptive cardiac hypertrophy in response to exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H246-H259.	3.2	75
16	Rationale and design of the EMBRACE STEMI Study: A phase 2a, randomized, double-blind, placebo-controlled trial to evaluate the safety, tolerability and efficacy of intravenous Bendavia on reperfusion injury in patients treated with standard therapy including primary percutaneous coronary intervention and stenting for ST-segment elevation myocardial infarction. <i>American Heart Journal</i> , 2013, 165, 509-514.e7.	2.7	72
17	The "Goldilocks Zone" from a redox perspective—Adaptive vs. deleterious responses to oxidative stress in striated muscle. <i>Frontiers in Physiology</i> , 2014, 5, 358.	2.8	68
18	Redox-dependent increases in glutathione reductase and exercise preconditioning: role of NADPH oxidase and mitochondria. <i>Cardiovascular Research</i> , 2013, 98, 47-55.	3.8	67

#	ARTICLE	IF	CITATIONS
19	Mechanisms by Which Dietary Fatty Acids Regulate Mitochondrial Structure-Function in Health and Disease. <i>Advances in Nutrition</i> , 2018, 9, 247-262.	6.4	59
20	New and revisited approaches to preserving the reperfused myocardium. <i>Nature Reviews Cardiology</i> , 2017, 14, 679-693.	13.7	56
21	Exercise increases SOCS-3 expression in rat skeletal muscle: potential relationship to IL-6 expression. <i>Journal of Physiology</i> , 2006, 572, 839-848.	2.9	55
22	The role of cardiolipin concentration and acyl chain composition on mitochondrial inner membrane molecular organization and function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1039-1052.	2.4	55
23	Bendavia restores mitochondrial energy metabolism gene expression and suppresses cardiac fibrosis in the border zone of the infarcted heart. <i>Life Sciences</i> , 2015, 141, 170-178.	4.3	50
24	Common gut microbial metabolites of dietary flavonoids exert potent protective activities in $\hat{1}^2$ -cells and skeletal muscle cells. <i>Journal of Nutritional Biochemistry</i> , 2018, 62, 95-107.	4.2	45
25	Docosahexaenoic acid lowers cardiac mitochondrial enzyme activity by replacing linoleic acid in the phospholipidome. <i>Journal of Biological Chemistry</i> , 2018, 293, 466-483.	3.4	44
26	Mitochondrial inner membrane lipids and proteins as targets for decreasing cardiac ischemia/reperfusion injury. , 2013, 140, 258-266.		43
27	The cardiolipin-binding peptide elamipretide mitigates fragmentation of cristae networks following cardiac ischemia reperfusion in rats. <i>Communications Biology</i> , 2020, 3, 389.	4.4	43
28	Perspectives in innate and acquired cardioprotection: cardioprotection acquired through exercise. <i>Journal of Applied Physiology</i> , 2007, 103, 1894-1899.	2.5	42
29	Safety of drug use in patients with a primary mitochondrial disease: An international Delphiâ€based consensus. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 800-818.	3.6	42
30	Energetic mitochondrial failing in vitiligo and possible rescue by cardiolipin. <i>Scientific Reports</i> , 2017, 7, 13663.	3.3	38
31	Exercise-induced protection against reperfusion arrhythmia involves stabilization of mitochondrial energetics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1360-H1370.	3.2	34
32	Short-term exercise preserves myocardial glutathione and decreases arrhythmias after thiol oxidation and ischemia in isolated rat hearts. <i>Journal of Applied Physiology</i> , 2011, 111, 1751-1759.	2.5	33
33	Pulmonary instillation of multi-walled carbon nanotubes promotes coronary vasoconstriction and exacerbates injury in isolated hearts. <i>Nanotoxicology</i> , 2014, 8, 38-49.	3.0	33
34	Alterations in peroxisome proliferator-activated receptor mRNA expression in skeletal muscle after acute and repeated bouts of exercise. <i>Molecular and Cellular Biochemistry</i> , 2009, 332, 225-231.	3.1	32
35	Murine diet-induced obesity remodels cardiac and liver mitochondrial phospholipid acyl chains with differential effects on respiratory enzyme activity. <i>Journal of Nutritional Biochemistry</i> , 2017, 45, 94-103.	4.2	31
36	Increasing levels of cardiolipin differentially influence packing of phospholipids found in the mitochondrial inner membrane. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 366-371.	2.1	30

#	ARTICLE	IF	CITATIONS
37	Progression-Mediated Changes in Mitochondrial Morphology Promotes Adaptation to Hypoxic Peritoneal Conditions in Serous Ovarian Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 600113.	2.8	27
38	Mitochondrial Regulation of the Muscle Microenvironment in Critical Limb Ischemia. <i>Frontiers in Physiology</i> , 2015, 6, 336.	2.8	26
39	Mitochondrial therapy improves limb perfusion and myopathy following hindlimb ischemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 191-196.	1.9	26
40	Ultrafine Particulate Matter Increases Cardiac Ischemia/Reperfusion Injury via Mitochondrial Permeability Transition Pore. <i>Cardiovascular Toxicology</i> , 2017, 17, 441-450.	2.7	26
41	Distinct membrane properties are differentially influenced by cardiolipin content and acyl chain composition in biomimetic membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 257-267.	2.6	25
42	N-3 Polyunsaturated Fatty Acids, Lipid Microclusters, and Vitamin E. <i>Current Topics in Membranes</i> , 2015, 75, 209-231.	0.9	22
43	Bioenergetics underlying single-cell migration on aligned nanofiber scaffolds. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C476-C485.	4.6	21
44	Cardioprotective Effects of Mitochondria-Targeted Peptide SBT-20 in two Different Models of Rat Ischemia/Reperfusion. <i>Cardiovascular Drugs and Therapy</i> , 2016, 30, 559-566.	2.6	19
45	Influence of Pulsed Electric Fields and Mitochondria-Cytoskeleton Interactions on Cell Respiration. <i>Biophysical Journal</i> , 2018, 114, 2951-2964.	0.5	19
46	High doses of ketamine-xylazine anesthesia reduce cardiac ischemia-reperfusion injury in guinea pigs. <i>Journal of the American Association for Laboratory Animal Science</i> , 2011, 50, 349-54.	1.2	19
47	Why Does Exercise "Trigger" Adaptive Protective Responses in the Heart?. <i>Dose-Response</i> , 2015, 1, 1-19.	1.6	15
48	Complex I protein NDUFS2 is vital for growth, ROS generation, membrane integrity, apoptosis, and mitochondrial energetics. <i>Mitochondrion</i> , 2021, 58, 160-168.	3.4	14
49	Cardioprotective effects of idebenone do not involve ROS scavenging: Evidence for mitochondrial complex I bypass in ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 135, 160-171.	1.9	13
50	Proteolipid domains form in biomimetic and cardiac mitochondrial vesicles and are regulated by cardiolipin concentration but not monolysocardiolipin. <i>Journal of Biological Chemistry</i> , 2018, 293, 15933-15946.	3.4	12
51	Pulmonary Exposure to Magnéli Phase Titanium Suboxides Results in Significant Macrophage Abnormalities and Decreased Lung Function. <i>Frontiers in Immunology</i> , 2019, 10, 2714.	4.8	12
52	Stage of the estrous cycle does not influence myocardial ischemia-reperfusion injury in rats (<i>Rattus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	9.0	12
53	Voluntary wheel running complements microdystrophin gene therapy to improve muscle function in mdx mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 144-160.	4.1	11
54	Elevated perfusate [Na ⁺] increases contractile dysfunction during ischemia and reperfusion. <i>Scientific Reports</i> , 2020, 10, 17289.	3.3	10

#	ARTICLE	IF	CITATIONS
55	Enhanced Electrical Field Stimulated Nitrgic and Purinergic Vasoreactivity in Distal vs Proximal Internal Pudendal Arteries. <i>Journal of Sexual Medicine</i> , 2017, 14, 1285-1296.	0.6	6
56	Effects of OP2113 on Myocardial Infarct Size and No Reflow in a Rat Myocardial Ischemia/Reperfusion Model. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 217-227.	2.6	6
57	A ligand to the mitochondrial benzodiazepine receptor prevents ventricular arrhythmias and LV dysfunction after ischemia or glutathione depletion. <i>FASEB Journal</i> , 2008, 22, 747.7.	0.5	4
58	Are Post-Operative Arrhythmias in Patients With Metabolic Syndrome a Sign of Dysfunctional Mitochondria?. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1474-1475.	2.8	3
59	'Leaky' ryanodine receptors and sudden cardiac death. <i>Cardiovascular Research</i> , 2009, 84, 343-344.	3.8	2
60	Comment on "A severe linezolid-induced rhabdomyolysis and lactic acidosis in Leigh syndrome". <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 6-7.	3.6	2
61	"Roid-Rage" at the Cellular Level: Abolition of Endogenous Cardioprotection by Anabolic Steroids Reveals New Links Between the RAAS and Cardiac KATP Channels. <i>Cardiovascular Drugs and Therapy</i> , 2014, 28, 113-114.	2.6	0
62	Inhibiting mitochondrial uncoupling protein 2 exacerbates myocardial ischemia/reperfusion injury. <i>FASEB Journal</i> , 2011, 25, 1033.21.	0.5	0
63	Exercise-induced cardioprotection is dependent on enhanced glutathione reductase activity. <i>FASEB Journal</i> , 2012, 26, 1142.34.	0.5	0
64	Estrous cycle phase does not influence myocardial infarction but may alter arrhythmogenicity in isolated rat hearts. <i>FASEB Journal</i> , 2012, 26, 1136.17.	0.5	0
65	The mitochondria-targeting peptide Bendavia protects the heart against ischemia-reperfusion injury without abolishing ischemic preconditioning. <i>FASEB Journal</i> , 2013, 27, 1191.4.	0.5	0