

John M Hollander

List of Publications by Year in Descending Order

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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.

79
papers

1,958
citations

25
h-index

44
g-index

86
ext. papers

2,301
ext. citations

3.5
avg. IF

4.75
L-index

#	Paper	IF	Citations
79	Enhanced antioxidant capacity prevents epitranscriptomic and cardiac alterations in adult offspring gestationally-exposed to ENM. <i>Nanotoxicology</i> , 2021 , 15, 812-831	5.3	0
78	The Mitochondrial mitoNEET Ligand NL-1 Is Protective in a Murine Model of Transient Cerebral Ischemic Stroke. <i>Pharmaceutical Research</i> , 2021 , 38, 803-817	4.5	1
77	Mild traumatic brain injury increases vulnerability to cerebral ischemia in mice. <i>Experimental Neurology</i> , 2021 , 342, 113765	5.7	0
76	Mitochondrial membranes modify mutant huntingtin aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183663	3.8	2
75	Loss of the redox mitochondrial protein mitoNEET leads to mitochondrial dysfunction in B-cell acute lymphoblastic leukemia. <i>Free Radical Biology and Medicine</i> , 2021 , 175, 226-235	7.8	2
74	Transcriptomics of single dose and repeated carbon black and ozone inhalation co-exposure highlight progressive pulmonary mitochondrial dysfunction.. <i>Particle and Fibre Toxicology</i> , 2021 , 18, 44	8.4	0
73	Cardiovascular adaptations to particle inhalation exposure: molecular mechanisms of the toxicology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H282-H305	5.2	6
72	MiR-34a Interacts with Cytochrome c and Shapes Stroke Outcomes. <i>Scientific Reports</i> , 2020 , 10, 3233	4.9	8
71	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
70	Pyruvium Pamoate Use in a B cell Acute Lymphoblastic Leukemia Model of the Bone Tumor Microenvironment. <i>Pharmaceutical Research</i> , 2020 , 37, 43	4.5	7
69	miRNA-378a as a key regulator of cardiovascular health following engineered nanomaterial inhalation exposure. <i>Nanotoxicology</i> , 2019 , 13, 644-663	5.3	15
68	ROS promote epigenetic remodeling and cardiac dysfunction in offspring following maternal engineered nanomaterial (ENM) exposure. <i>Particle and Fibre Toxicology</i> , 2019 , 16, 24	8.4	19
67	Machine-learning to stratify diabetic patients using novel cardiac biomarkers and integrative genomics. <i>Cardiovascular Diabetology</i> , 2019 , 18, 78	8.7	25
66	The role of SIRT1 in skeletal muscle function and repair of older mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 929-949	10.3	26
65	Crystal structure of the mitochondrial protein mitoNEET bound to a benze-sulfonide ligand. <i>Communications Chemistry</i> , 2019 , 2,	6.3	10
64	Using Machine Learning to Predict the Development of Diabetes and Potential Biomarkers Linked to Cardiac Risk. <i>FASEB Journal</i> , 2019 , 33, 515.16	0.9	
63	Activation of Mitochondrial Calpains Contributes to the Selective Degradation of Specific Mitochondrial Proteins. <i>FASEB Journal</i> , 2019 , 33, 802.15	0.9	

62	microRNA Changes in Diabetic Cardiac Mitochondria: What are they doing there?. <i>FASEB Journal</i> , 2019 , 33, 713.3	0.9	
61	Elevated ROS and Epigenetic Remodeling Disrupt Cardiac Function in Offspring Following Maternal Engineered Nanomaterial (ENM) Exposure. <i>FASEB Journal</i> , 2019 , 33, 802.76	0.9	
60	Mitochondrial dysfunction in type 2 diabetes mellitus: an organ-based analysis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 316, E268-E285	6	105
59	Reactive oxygen species damage drives cardiac and mitochondrial dysfunction following acute nano-titanium dioxide inhalation exposure. <i>Nanotoxicology</i> , 2018 , 12, 32-48	5.3	29
58	Regulating microRNA expression: at the heart of diabetes mellitus and the mitochondrion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H293-H310	5.2	26
57	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
56	Mitochondrial proteome disruption in the diabetic heart through targeted epigenetic regulation at the mitochondrial heat shock protein 70 (mtHsp70) nuclear locus. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 119, 104-115	5.8	11
55	Activation of Mitochondrial Calpain 1 Leads to Degradation of PDH. <i>FASEB Journal</i> , 2018 , 32, 543.7	0.9	1
54	Role of microRNA in metabolic shift during heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H33-H45	5.2	37
53	Maternal-engineered nanomaterial exposure disrupts progeny cardiac function and bioenergetics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H446-H458	5.2	36
52	Excess coenzyme A reduces skeletal muscle performance and strength in mice overexpressing human PANK2. <i>Molecular Genetics and Metabolism</i> , 2017 , 120, 350-362	3.7	6
51	Mitochondrial miRNAs in diabetes: just the tip of the iceberg. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017 , 95, 1156-1162	2.4	27
50	Exploring the mitochondrial microRNA import pathway through Polynucleotide Phosphorylase (PNPase). <i>Journal of Molecular and Cellular Cardiology</i> , 2017 , 110, 15-25	5.8	48
49	Early detection of cardiac dysfunction in the type 1 diabetic heart using speckle-tracking based strain imaging. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 90, 74-83	5.8	24
48	Translational Regulation of the Mitochondrial Genome Following Redistribution of Mitochondrial MicroRNA in the Diabetic Heart. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 785-802		71
47	Transgenic overexpression of mitofilin attenuates diabetes mellitus-associated cardiac and mitochondria dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 212-23	5.8	46
46	Cardiac and mitochondrial dysfunction following acute pulmonary exposure to mountaintop removal mining particulate matter. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H2017-30	5.2	33
45	Microvascular and mitochondrial dysfunction in the female F1 generation after gestational TiO2 nanoparticle exposure. <i>Nanotoxicology</i> , 2015 , 9, 941-51	5.3	47

44	Aging alters contractile properties and fiber morphology in pigeon skeletal muscle. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014 , 184, 1031-9	2.2	7
43	Functional deficiencies of subsarcolemmal mitochondria in the type 2 diabetic human heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H54-65	5.2	53
42	Physiological and structural differences in spatially distinct subpopulations of cardiac mitochondria: influence of cardiac pathologies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H1-14	5.2	95
41	Diabetes mellitus reduces the function and expression of ATP-dependent K ⁺ channels in cardiac mitochondria. <i>Life Sciences</i> , 2013 , 92, 664-8	6.8	20
40	Evaluation of the cardiolipin biosynthetic pathway and its interactions in the diabetic heart. <i>Life Sciences</i> , 2013 , 93, 313-22	6.8	24
39	Reversal of mitochondrial proteomic loss in Type 1 diabetic heart with overexpression of phospholipid hydroperoxide glutathione peroxidase. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R553-65	3.2	48
38	Translational regulation of the mitochondrial genome following redistribution of mitochondrial microRNA (MitomiR) in the diabetic heart.. <i>FASEB Journal</i> , 2013 , 27, 701.10	0.9	
37	Interaction of mitofilin with respiratory complexes in mitochondrial subpopulations. <i>FASEB Journal</i> , 2013 , 27, 1126.6	0.9	
36	Heat Shock Protein 27 (hsp27) Translocation to the Mitochondria is Associated with Protection Against Diabetic Cardiomyopathy.. <i>FASEB Journal</i> , 2013 , 27, 1209.3	0.9	
35	Impact of mitochondria phospholipid hydroperoxide glutathione peroxidase (mPHGPx) overexpression on the type 1 diabetic heart. <i>FASEB Journal</i> , 2013 , 27, 1209.2	0.9	
34	miR-141 as a regulator of the mitochondrial phosphate carrier (Slc25a3) in the type 1 diabetic heart. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C1244-51	5.4	85
33	Examination of cardiolipin biosynthesis in the diabetic heart. <i>FASEB Journal</i> , 2012 , 26, lb746	0.9	
32	HDAC6 regulates mitochondrial oxidative phosphorylation by ATP synthase beta subunit acetylation in diabetic cardiomyopathy. <i>FASEB Journal</i> , 2012 , 26, 869.13	0.9	
31	Mountain-top mining particulate matter exposure increases markers of mitochondrially-driven apoptosis in rat cardiac tissue. <i>FASEB Journal</i> , 2012 , 26, 1036.15	0.9	1
30	miRNA-141 is a potential regulator of the mitochondrial phosphate carrier (slc25a3) in the type 1 diabetic heart. <i>FASEB Journal</i> , 2012 , 26, 869.11	0.9	
29	Overexpression of phospholipid hydroperoxide glutathione peroxidase (MPHGPx) attenuates cardiac mitochondrial proteomic loss and reverses protein import detriments observed with type 1 diabetes mellitus. <i>FASEB Journal</i> , 2012 , 26, 1127.4	0.9	
28	Longitudinal assessment of type I diabetes mellitus using conventional echocardiography and speckle-tracking based strain imaging. <i>FASEB Journal</i> , 2012 , 26, 1054.11	0.9	
27	Glutathione Dependent and Independent Salutary Effects of NAC on HIV Tat Proteinopathy. <i>FASEB Journal</i> , 2012 , 26, 1117.2	0.9	

26	Type 1 diabetes mellitus differentially regulates mitochondrially-encoded proteins in cardiac mitochondrial subpopulations. <i>FASEB Journal</i> , 2012 , 26, lb748	0.9	
25	Proteomic remodeling of mitochondria in heart failure. <i>Congestive Heart Failure</i> , 2011 , 17, 262-8		22
24	Proteomic alterations of distinct mitochondrial subpopulations in the type 1 diabetic heart: contribution of protein import dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R186-200	3.2	95
23	Mitochondrial phospholipid hydroperoxide glutathione peroxidase (mPHGPx) overexpression preserves the inner mitochondrial membrane in the diabetic heart. <i>FASEB Journal</i> , 2011 , 25, 1095.5	0.9	
22	Examination of microRNA (miRNA) dysregulation in the type 1 diabetic heart and its functional implications. <i>FASEB Journal</i> , 2011 , 25, lb464	0.9	
21	Enhanced apoptotic propensity in diabetic cardiac mitochondria: influence of subcellular spatial location. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H633-42	5.2	78
20	Mitochondrial dysfunction in the type 2 diabetic heart is associated with alterations in spatially distinct mitochondrial proteomes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H529-40	5.2	125
19	Mitochondria-specific overexpression of phospholipid hydroperoxide glutathione peroxidase (GPx4) attenuates ischemia/reperfusion (I/R) associated apoptosis. <i>FASEB Journal</i> , 2010 , 24, lb560	0.9	
18	Mitochondrial subpopulation-specific proteomic alterations in the type 2 diabetic heart. <i>FASEB Journal</i> , 2010 , 24, lb573	0.9	
17	Mitochondrial Overexpression of Phospholipid Hydroperoxide Glutathione Peroxidase 4 (mPHGPx) Provides Cardioprotection From Type 1 Diabetes Mellitus Insult. <i>FASEB Journal</i> , 2010 , 24, 789.2	0.9	
16	Characterization of regression of exercise-induced cardiac hypertrophy. <i>FASEB Journal</i> , 2010 , 24, lb593	0.9	
15	Diabetic cardiomyopathy-associated dysfunction in spatially distinct mitochondrial subpopulations. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H359-69	5.2	107
14	Integration of dilator and constrictor pathways for arteriolar reactivity in the metabolic syndrome. <i>FASEB Journal</i> , 2009 , 23, 948.10	0.9	
13	Hyperglycemia-induced mitochondrial dysfunction and oxidant generation in mouse renal microvascular endothelial cells is reversed by C-peptide. <i>FASEB Journal</i> , 2009 , 23, 594.15	0.9	
12	Carbon monoxide provides antioxidant protection in hepatic sinusoids during a remote inflammatory stress by reducing carbonylated MnSOD. <i>FASEB Journal</i> , 2009 , 23, 982.3	0.9	
11	Vascular thromboxane generation restrains arteriolar hypoxic dilation in skeletal muscle of obese zucker rats. <i>FASEB Journal</i> , 2009 , 23, 767.9	0.9	
10	C-peptide confers protection in renal cortical endothelial cells during Type I diabetes by preventing the phosphorylation of glucose-6-phosphate dehydrogenase. <i>FASEB Journal</i> , 2009 , 23, 971.12	0.9	
9	Mitochondria-specific transgenic overexpression of phospholipid hydroperoxide glutathione peroxidase (GPx4) attenuates ischemia/reperfusion-associated cardiac dysfunction. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 855-65	7.8	99

8	Mitochondria protection from hypoxia/reoxygenation injury with mitochondria heat shock protein 70 overexpression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H249-56	5.2	64
7	Quantitative proteomic analysis of distinct mitochondrial subpopulations in diabetic myocardium. <i>FASEB Journal</i> , 2008 , 22, 1226.36	0.9	1
6	Enhanced apoptotic propensity in diabetic cardiac interfibrillar mitochondria. <i>FASEB Journal</i> , 2008 , 22, 1238.19	0.9	1
5	Contractile dysfunction in the diabetic heart is associated with enhanced apoptosis and decreased Hsp25 phosphorylation. <i>FASEB Journal</i> , 2007 , 21, A1343	0.9	2
4	Overexpression of wild-type heat shock protein 27 and a nonphosphorylatable heat shock protein 27 mutant protects against ischemia/reperfusion injury in a transgenic mouse model. <i>Circulation</i> , 2004 , 110, 3544-52	16.7	133
3	Overexpression of PHGPx and HSP60/10 protects against ischemia/reoxygenation injury. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 742-51	7.8	61
2	Exercise down-regulates hepatic fatty acid synthase in streptozotocin-treated rats. <i>Journal of Nutrition</i> , 2001 , 131, 2252-9	4.1	8
1	Oxidative stress and aging. Role of exercise and its influences on antioxidant systems. <i>Annals of the New York Academy of Sciences</i> , 1998 , 854, 102-17	6.5	125