

# Lee Ann MacMillan-Crow

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

5,277  
citations

623734

14  
h-index

642732

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

14000  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Inactivation of renal mitochondrial respiratory complexes and manganese superoxide dismutase during sepsis: mitochondria-targeted antioxidant mitigates injury. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F734-F743.	2.7	149
3	The Mitochondria-Targeted Antioxidant Mitoquinone Protects against Cold Storage Injury of Renal Tubular Cells and Rat Kidneys. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 682-692.	2.5	66
4	Role of mitochondrial-derived oxidants in renal tubular cell cold-storage injury. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1273-1282.	2.9	40
5	Role of reduced manganese superoxide dismutase in ischemia-reperfusion injury: a possible trigger for autophagy and mitochondrial biogenesis?. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F257-F267.	2.7	37
6	MitoQ Blunts Mitochondrial and Renal Damage during Cold Preservation of Porcine Kidneys. <i>PLoS ONE</i> , 2012, 7, e48590.	2.5	36
7	Generation and characterization of a novel kidney-specific manganese superoxide dismutase knockout mouse. <i>Free Radical Biology and Medicine</i> , 2011, 51, 406-416.	2.9	32
8	Overexpression of manganese superoxide dismutase protects against ATP depletion-mediated cell death of proximal tubule cells. <i>Archives of Biochemistry and Biophysics</i> , 2005, 437, 96-105.	3.0	31
9	Cold Preservation Mediated Renal Injury: Involvement of Mitochondrial Oxidative Stress. <i>Renal Failure</i> , 2008, 30, 125-133.	2.1	29
10	Peroxynitrite induced mitochondrial biogenesis following MnSOD knockdown in normal rat kidney (NRK) cells. <i>Redox Biology</i> , 2014, 2, 348-357.	9.0	27
11	Renal cold storage followed by transplantation impairs expression of key mitochondrial fission and fusion proteins. <i>PLoS ONE</i> , 2017, 12, e0185542.	2.5	24
12	1,3-Butadiene-induced mitochondrial dysfunction is correlated with mitochondrial CYP2E1 activity in Collaborative Cross mice. <i>Toxicology</i> , 2017, 378, 114-124.	4.2	18
13	Does More MnSOD Mean More Hydrogen Peroxide?. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 178-180.	1.7	17
14	Association Between L-OPA1 Cleavage and Cardiac Dysfunction During Ischemia-Reperfusion Injury in Rats. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 1101-1114.	1.6	16
15	Renal cold storage followed by transplantation impairs proteasome function and mitochondrial protein homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F42-F53.	2.7	15
16	The first direct activity assay for the mitochondrial protease OMA1. <i>Mitochondrion</i> , 2019, 46, 1-5.	3.4	14
17	Specific BK Channel Activator NS11021 Protects Rat Renal Proximal Tubular Cells from Cold Storage-Induced Mitochondrial Injury In Vitro. <i>Biomolecules</i> , 2019, 9, 825.	4.0	13
18	The BK activator NS11021 partially protects rat kidneys from cold storage and transplantation-induced mitochondrial and renal injury. <i>Archives of Biochemistry and Biophysics</i> , 2020, 688, 108410.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Female mice exhibit less renal mitochondrial injury but greater mortality using a comorbid model of experimental sepsis. <i>Internal Medicine Review (Washington, D C: Online)</i> , 2018, 4, .	0.3	4
20	Fluorescence-Based Assay For Measuring OMA1 Activity. <i>Methods in Molecular Biology</i> , 2021, 2276, 325-332.	0.9	1
21	Overexpression of MnSOD Protects against Cold Storage-Induced Mitochondrial Injury but Not against OMA1-Dependent OPA1 Proteolytic Processing in Rat Renal Proximal Tubular Cells. <i>Antioxidants</i> , 2021, 10, 1272.	5.1	1
22	Role of manganese superoxide dismutase inactivation in the early stages of diabetic nephropathy. <i>FASEB Journal</i> , 2006, 20, A1139.	0.5	1
23	Non-Canonical Cannabinoid Receptors with Distinct Binding and Signaling Properties in Prostate and Other Cancer Cell Types Mediate Cell Death. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3049.	4.1	1
24	NAD(P)H oxidase inhibition by gp91ds $\alpha$ -tat protects against compromised parenchymal and endothelial integrity, but not flow deficits during remote liver injury. <i>FASEB Journal</i> , 2006, 20, A1149.	0.5	0
25	Role of superoxide $\alpha$ -mediated disruption of renal mitochondria in hyperglycemia $\alpha$ -induced renal injury in vitro and in vivo. <i>FASEB Journal</i> , 2007, 21, A439.	0.5	0
26	Exposure to H <sub>2</sub> O <sub>2</sub> rapidly down $\alpha$ -regulates L $\alpha$ -type calcium channels in A7r5 cells. <i>FASEB Journal</i> , 2008, 22, 912.36.	0.5	0
27	Acetaminophen $\alpha$ -induced Alterations in Hepatic Mitochondrial Manganese Superoxide Dismutase (MnSOD; SOD2) Activity in Mice. <i>FASEB Journal</i> , 2010, 24, 759.10.	0.5	0
28	MitoQ protects against cold ischemic injury in renal cells and rat kidneys. <i>FASEB Journal</i> , 2010, 24, 1059.8.	0.5	0
29	Characterization of novel kidney specific manganese superoxide dismutase knockout mice. <i>FASEB Journal</i> , 2010, 24, 1059.10.	0.5	0
30	Preclinical evaluation of the mitochondria $\alpha$ -targeted antioxidant mitoquinone to treat sepsis $\alpha$ -induced acute kidney injury. <i>FASEB Journal</i> , 2013, 27, 889.8.	0.5	0
31	MitoBK Channels as a Therapeutic Target in Renal Cold Storage and Transplantation. <i>FASEB Journal</i> , 2018, 32, 831.4.	0.5	0