

# Kira M Holmström

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11477254/publications.pdf>

Version: 2024-02-01

16  
papers

6,743  
citations

516215

16  
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940134

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docs citations

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times ranked

13719  
citing authors

#	ARTICLE	IF	CITATIONS
1	PINK1/Parkin-mediated mitophagy is dependent on VDAC1 and p62/SQSTM1. <i>Nature Cell Biology</i> , 2010, 12, 119-131.	4.6	2,360
2	Cellular mechanisms and physiological consequences of redox-dependent signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 411-421.	16.1	1,597
3	Measuring In Vivo Mitophagy. <i>Molecular Cell</i> , 2015, 60, 685-696.	4.5	512
4	Nrf2 regulates ROS production by mitochondria and NADPH oxidase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 794-801.	1.1	444
5	Nrf2 impacts cellular bioenergetics by controlling substrate availability for mitochondrial respiration. <i>Biology Open</i> , 2013, 2, 761-770.	0.6	346
6	The multifaceted role of Nrf2 in mitochondrial function. <i>Current Opinion in Toxicology</i> , 2016, 1, 80-91.	2.6	275
7	The PINK1/Parkin-mediated mitophagy is compromised by PD-associated mutations. <i>Autophagy</i> , 2010, 6, 871-878.	4.3	267
8	The Ins and Outs of Mitochondrial Calcium. <i>Circulation Research</i> , 2015, 116, 1810-1819.	2.0	214
9	MICU1 Serves as a Molecular Gatekeeper to Prevent In Vivo Mitochondrial Calcium Overload. <i>Cell Reports</i> , 2016, 16, 1561-1573.	2.9	175
10	Signalling properties of inorganic polyphosphate in the mammalian brain. <i>Nature Communications</i> , 2013, 4, 1362.	5.8	132
11	Assessment of cardiac function in mice lacking the mitochondrial calcium uniporter. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 178-182.	0.9	106
12	Unresolved questions from the analysis of mice lacking MCU expression. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 384-385.	1.0	93
13	The spatiotemporal regulation of the Keap1-Nrf2 pathway and its importance in cellular bioenergetics. <i>Biochemical Society Transactions</i> , 2015, 43, 602-610.	1.6	69
14	Cyclophilin D-mediated regulation of the permeability transition pore is altered in mice lacking the mitochondrial calcium uniporter. <i>Cardiovascular Research</i> , 2019, 115, 385-394.	1.8	63
15	Broad AOX expression in a genetically tractable mouse model does not disturb normal physiology. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 163-171.	1.2	46
16	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. <i>JCI Insight</i> , 2020, 5, .	2.3	44