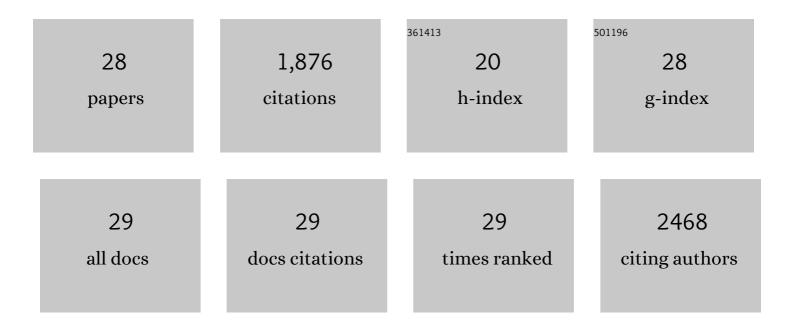
Margaret M Sedensky

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	mTOR Inhibition Alleviates Mitochondrial Disease in a Mouse Model of Leigh Syndrome. Science, 2013, 342, 1524-1528.	12.6	437
2	Cell Biology of the Mitochondrion. Genetics, 2017, 207, 843-871.	2.9	265
3	Mitochondrial Expression and Function of GAS-1 in Caenorhabditis elegans. Journal of Biological Chemistry, 2001, 276, 20551-20558.	3.4	147
4	Mitochondrial Defects and Anesthetic Sensitivity. Anesthesiology, 2002, 96, 1268-1270.	2.5	130
5	Mitochondrial mutations differentially affect aging, mutability and anesthetic sensitivity in Caenorhabditis elegans. Mechanisms of Ageing and Development, 2001, 122, 1187-1201.	4.6	108
6	Mitochondrial Oxidative Phosphorylation Is Defective in the Long-lived Mutant clk-1. Journal of Biological Chemistry, 2004, 279, 54479-54486.	3.4	99
7	Complex I Function Is Defective in Complex IV-deficient Caenorhabditis elegans. Journal of Biological Chemistry, 2009, 284, 6425-6435.	3.4	71
8	Mitochondrial Complex I Function Modulates Volatile Anesthetic Sensitivity in C. elegans. Current Biology, 2006, 16, 1641-1645.	3.9	63
9	Altered Anesthetic Sensitivity of Mice Lacking Ndufs4, a Subunit of Mitochondrial Complex I. PLoS ONE, 2012, 7, e42904.	2.5	61
10	Novel interactions between mitochondrial superoxide dismutases and the electron transport chain. Aging Cell, 2013, 12, 1132-1140.	6.7	53
11	Mutations in Mitochondrial Complex III Uniquely Affect Complex I in Caenorhabditis elegans. Journal of Biological Chemistry, 2010, 285, 40724-40731.	3.4	47
12	mTOR inhibitors may benefit kidney transplant recipients with mitochondrial diseases. Kidney International, 2019, 95, 455-466.	5.2	44
13	Isoflurane Selectively Inhibits Distal Mitochondrial Complex I in Caenorhabditis Elegans. Anesthesia and Analgesia, 2011, 112, 1321-1329.	2.2	37
14	The effect of different ubiquinones on lifespan in Caenorhabditis elegans. Mechanisms of Ageing and Development, 2009, 130, 370-376.	4.6	36
15	Regional metabolic signatures in the Ndufs4(KO) mouse brain implicate defective glutamate/α-ketoglutarate metabolism in mitochondrial disease. Molecular Genetics and Metabolism, 2020, 130, 118-132.	1.1	33
16	Region-Specific Defects of Respiratory Capacities in the Ndufs4(KO) Mouse Brain. PLoS ONE, 2016, 11, e0148219.	2.5	32
17	Neurotoxicity of anesthetics: Mechanisms and meaning from mouse intervention studies. Neurotoxicology and Teratology, 2019, 71, 22-31.	2.4	27
18	The role of DMQ9 in the long-lived mutant clk-1. Mechanisms of Ageing and Development, 2011, 132, 331-339.	4.6	26

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#	Article	IF	CITATIONS
19	Glutamatergic Neurotransmission Links Sensitivity to Volatile Anesthetics with Mitochondrial Function. Current Biology, 2016, 26, 2194-2201.	3.9	25
20	Tether mutations that restore function and suppress pleiotropic phenotypes of the <i>C. elegans isp-1(qm150)</i> Rieske iron–sulfur protein. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6148-57.	7.1	24
21	Mitochondrial Function in Astrocytes Is Essential for Normal Emergence from Anesthesia in Mice. Anesthesiology, 2019, 130, 423-434.	2.5	23
22	The genetics of isoflurane-induced developmental neurotoxicity. Neurotoxicology and Teratology, 2017, 60, 40-49.	2.4	19
23	Quality improvement of mitochondrial respiratory chain complex enzyme assays using Caenorhabditis elegans. Genetics in Medicine, 2011, 13, 794-799.	2.4	16
24	Mitochondrial bioenergetics and disease in Caenorhabditis elegans. Frontiers in Bioscience - Landmark, 2015, 20, 198-228.	3.0	16
25	Regional knockdown of NDUFS4 implicates a thalamocortical circuit mediating anesthetic sensitivity. PLoS ONE, 2017, 12, e0188087.	2.5	15
26	Glutathione S-transferase mediates an ageing response to mitochondrial dysfunction. Mechanisms of Ageing and Development, 2016, 153, 14-21.	4.6	14
27	Tetraethylammonium chloride reduces anaesthetic-induced neurotoxicity in Caenorhabditis elegans and mice. British Journal of Anaesthesia, 2022, 128, 77-88.	3.4	4
28	Mitochondrial Function and Anesthetic Sensitivity in the Mouse Spinal Cord. Anesthesiology, 2021, 134, 901-914.	2.5	3