

Margaret M Sedensky

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,876
citations

361413

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501196

28
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docs citations

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times ranked

2468
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetraethylammonium chloride reduces anaesthetic-induced neurotoxicity in <i>Caenorhabditis elegans</i> and mice. <i>British Journal of Anaesthesia</i> , 2022, 128, 77-88.	3.4	4
2	Mitochondrial Function and Anesthetic Sensitivity in the Mouse Spinal Cord. <i>Anesthesiology</i> , 2021, 134, 901-914.	2.5	3
3	Regional metabolic signatures in the <i>Ndufs4</i> (KO) mouse brain implicate defective glutamate/±-ketoglutarate metabolism in mitochondrial disease. <i>Molecular Genetics and Metabolism</i> , 2020, 130, 118-132.	1.1	33
4	Mitochondrial Function in Astrocytes Is Essential for Normal Emergence from Anesthesia in Mice. <i>Anesthesiology</i> , 2019, 130, 423-434.	2.5	23
5	Neurotoxicity of anesthetics: Mechanisms and meaning from mouse intervention studies. <i>Neurotoxicology and Teratology</i> , 2019, 71, 22-31.	2.4	27
6	mTOR inhibitors may benefit kidney transplant recipients with mitochondrial diseases. <i>Kidney International</i> , 2019, 95, 455-466.	5.2	44
7	The genetics of isoflurane-induced developmental neurotoxicity. <i>Neurotoxicology and Teratology</i> , 2017, 60, 40-49.	2.4	19
8	Cell Biology of the Mitochondrion. <i>Genetics</i> , 2017, 207, 843-871.	2.9	265
9	Regional knockdown of <i>NDUFS4</i> implicates a thalamocortical circuit mediating anesthetic sensitivity. <i>PLoS ONE</i> , 2017, 12, e0188087.	2.5	15
10	Glutamatergic Neurotransmission Links Sensitivity to Volatile Anesthetics with Mitochondrial Function. <i>Current Biology</i> , 2016, 26, 2194-2201.	3.9	25
11	Glutathione S-transferase mediates an ageing response to mitochondrial dysfunction. <i>Mechanisms of Ageing and Development</i> , 2016, 153, 14-21.	4.6	14
12	Region-Specific Defects of Respiratory Capacities in the <i>Ndufs4</i> (KO) Mouse Brain. <i>PLoS ONE</i> , 2016, 11, e0148219.	2.5	32
13	Mitochondrial bioenergetics and disease in <i>Caenorhabditis elegans</i> . <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 198-228.	3.0	16
14	Tether mutations that restore function and suppress pleiotropic phenotypes of the <i>C. elegans isp-1(qm150)</i> Rieske iron-sulfur protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6148-57.	7.1	24
15	Novel interactions between mitochondrial superoxide dismutases and the electron transport chain. <i>Aging Cell</i> , 2013, 12, 1132-1140.	6.7	53
16	mTOR Inhibition Alleviates Mitochondrial Disease in a Mouse Model of Leigh Syndrome. <i>Science</i> , 2013, 342, 1524-1528.	12.6	437
17	Altered Anesthetic Sensitivity of Mice Lacking <i>Ndufs4</i> , a Subunit of Mitochondrial Complex I. <i>PLoS ONE</i> , 2012, 7, e42904.	2.5	61
18	Isoflurane Selectively Inhibits Distal Mitochondrial Complex I in <i>Caenorhabditis Elegans</i> . <i>Anesthesia and Analgesia</i> , 2011, 112, 1321-1329.	2.2	37

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19	Quality improvement of mitochondrial respiratory chain complex enzyme assays using <i>Caenorhabditis elegans</i> . <i>Genetics in Medicine</i> , 2011, 13, 794-799.	2.4	16
20	The role of DMQ9 in the long-lived mutant <i>clk-1</i> . <i>Mechanisms of Ageing and Development</i> , 2011, 132, 331-339.	4.6	26
21	Mutations in Mitochondrial Complex III Uniquely Affect Complex I in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 40724-40731.	3.4	47
22	Complex I Function Is Defective in Complex IV-deficient <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 6425-6435.	3.4	71
23	The effect of different ubiquinones on lifespan in <i>Caenorhabditis elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2009, 130, 370-376.	4.6	36
24	Mitochondrial Complex I Function Modulates Volatile Anesthetic Sensitivity in <i>C. elegans</i> . <i>Current Biology</i> , 2006, 16, 1641-1645.	3.9	63
25	Mitochondrial Oxidative Phosphorylation Is Defective in the Long-lived Mutant <i>clk-1</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 54479-54486.	3.4	99
26	Mitochondrial Defects and Anesthetic Sensitivity. <i>Anesthesiology</i> , 2002, 96, 1268-1270.	2.5	130
27	Mitochondrial mutations differentially affect aging, mutability and anesthetic sensitivity in <i>Caenorhabditis elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2001, 122, 1187-1201.	4.6	108
28	Mitochondrial Expression and Function of GAS-1 in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 20551-20558.	3.4	147