

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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h-index

501196

28
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29
all docs

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docs citations

29
times ranked

2468
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | mTOR Inhibition Alleviates Mitochondrial Disease in a Mouse Model of Leigh Syndrome. <i>Science</i> , 2013, 342, 1524-1528. | 12.6 | 437 |
| 2 | Cell Biology of the Mitochondrion. <i>Genetics</i> , 2017, 207, 843-871. | 2.9 | 265 |
| 3 | 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 |
| 4 | Mitochondrial Defects and Anesthetic Sensitivity. <i>Anesthesiology</i> , 2002, 96, 1268-1270. | 2.5 | 130 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Mitochondrial Complex I Function Modulates Volatile Anesthetic Sensitivity in <i>C. elegans</i> . <i>Current Biology</i> , 2006, 16, 1641-1645. | 3.9 | 63 |
| 9 | 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 |
| 10 | Novel interactions between mitochondrial superoxide dismutases and the electron transport chain. <i>Aging Cell</i> , 2013, 12, 1132-1140. | 6.7 | 53 |
| 11 | 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 |
| 12 | mTOR inhibitors may benefit kidney transplant recipients with mitochondrial diseases. <i>Kidney International</i> , 2019, 95, 455-466. | 5.2 | 44 |
| 13 | Isoflurane Selectively Inhibits Distal Mitochondrial Complex I in <i>Caenorhabditis Elegans</i> . <i>Anesthesia and Analgesia</i> , 2011, 112, 1321-1329. | 2.2 | 37 |
| 14 | 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 |
| 15 | 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 |
| 16 | Region-Specific Defects of Respiratory Capacities in the <i>Ndufs4</i> (KO) Mouse Brain. <i>PLoS ONE</i> , 2016, 11, e0148219. | 2.5 | 32 |
| 17 | Neurotoxicity of anesthetics: Mechanisms and meaning from mouse intervention studies. <i>Neurotoxicology and Teratology</i> , 2019, 71, 22-31. | 2.4 | 27 |
| 18 | The role of <i>DMQ9</i> in the long-lived mutant <i>clk-1</i> . <i>Mechanisms of Ageing and Development</i> , 2011, 132, 331-339. | 4.6 | 26 |

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|----|---|-----|-----------|
| 19 | Glutamatergic Neurotransmission Links Sensitivity to Volatile Anesthetics with Mitochondrial Function. <i>Current Biology</i> , 2016, 26, 2194-2201. | 3.9 | 25 |
| 20 | Tether mutations that restore function and suppress pleiotropic phenotypes of the <i>C. elegans</i> <i>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 |
| 21 | Mitochondrial Function in Astrocytes Is Essential for Normal Emergence from Anesthesia in Mice. <i>Anesthesiology</i> , 2019, 130, 423-434. | 2.5 | 23 |
| 22 | The genetics of isoflurane-induced developmental neurotoxicity. <i>Neurotoxicology and Teratology</i> , 2017, 60, 40-49. | 2.4 | 19 |
| 23 | 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 |
| 24 | Mitochondrial bioenergetics and disease in <i>Caenorhabditis elegans</i> . <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 198-228. | 3.0 | 16 |
| 25 | Regional knockdown of <i>NDUFS4</i> implicates a thalamocortical circuit mediating anesthetic sensitivity. <i>PLoS ONE</i> , 2017, 12, e0188087. | 2.5 | 15 |
| 26 | Glutathione S-transferase mediates an ageing response to mitochondrial dysfunction. <i>Mechanisms of Ageing and Development</i> , 2016, 153, 14-21. | 4.6 | 14 |
| 27 | 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 |
| 28 | Mitochondrial Function and Anesthetic Sensitivity in the Mouse Spinal Cord. <i>Anesthesiology</i> , 2021, 134, 901-914. | 2.5 | 3 |