Elena I Rugarli

List of Publications by Year
in descending order

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43 papers	4,461 citations	172457 29 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	5540 citing authors

#	Article	IF	Citations
1	Metabolic control of adult neural stem cell self-renewal by the mitochondrial protease YME1L. Cell Reports, 2022, 38, 110370.	6.4	24
2	CLUH controls astrin-1 expression to couple mitochondrial metabolism to cell cycle progression. ELife, 2022, 11, .	6.0	7
3	Plant mitochondrial FMT and its mammalian homolog CLUH controls development and behavior in Arabidopsis and locomotion in mice. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	2
4	Phosphoproteomics of the developing heart identifies PERM1 - An outer mitochondrial membrane protein. Journal of Molecular and Cellular Cardiology, 2021, 154, 41-59.	1.9	9
5	Lipid Droplets in the Pathogenesis of Hereditary Spastic Paraplegia. Frontiers in Molecular Biosciences, 2021, 8, 673977.	3.5	13
6	CLUH granules coordinate translation of mitochondrial proteins with mTORC1 signaling and mitophagy. EMBO Journal, 2020, 39, e102731.	7.8	41
7	Microtubule-dependent and independent roles of spastin in lipid droplet dispersion and biogenesis. Life Science Alliance, 2020, 3, e202000715.	2.8	6
8	Astrocyteâ€specific deletion of the mitochondrial mâ€AAA protease reveals glial contribution to neurodegeneration. Glia, 2019, 67, 1526-1541.	4.9	36
9	The class 3 PI3K coordinates autophagy and mitochondrial lipid catabolism by controlling nuclear receptor PPARÎ±. Nature Communications, 2019, 10, 1566.	12.8	72
10	Loss of the mitochondrial i â€•<scp>AAA</scp> protease <scp>YME</scp> 1L leads to ocular dysfunction and spinal axonopathy. EMBO Molecular Medicine, 2019, 11, .	6.9	38
11	Post-transcriptional regulation of mitochondrial function. Current Opinion in Physiology, 2018, 3, 6-15.	1.8	2
12	A concert of RNA-binding proteins coordinates mitochondrial function. Critical Reviews in Biochemistry and Molecular Biology, 2018, 53, 652-666.	5.2	25
13	CLUH regulates mitochondrial metabolism by controlling translation and decay of target mRNAs. Journal of Cell Biology, 2017, 216, 675-693.	5.2	73
14	DARS2 protects against neuroinflammation and apoptotic neuronal loss, but is dispensable for myelin producing cells. Human Molecular Genetics, 2017, 26, 4181-4189.	2.9	23
15	The Mitochondrial m-AAA Protease Prevents Demyelination and Hair Greying. PLoS Genetics, 2016, 12, e1006463.	3.5	23
16	The m -AAA Protease Associated with Neurodegeneration Limits MCU Activity in Mitochondria. Molecular Cell, 2016, 64, 148-162.	9.7	153
17	Loss of OMA1 delays neurodegeneration by preventing stress-induced OPA1 processing in mitochondria. Journal of Cell Biology, 2016, 212, 157-166.	5.2	115
18	Spastin Binds to Lipid Droplets and Affects Lipid Metabolism. PLoS Genetics, 2015, 11, e1005149.	3.5	84

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19	Is mitochondrial free radical theory of aging getting old?. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1345-1346.	1.0	9
20	Partial deletion of AFG3L2 causing spinocerebellar ataxia type 28. Neurology, 2014, 82, 2092-2100.	1.1	24
21	CLUH regulates mitochondrial biogenesis by binding mRNAs of nuclear-encoded mitochondrial proteins. Journal of Cell Biology, 2014, 207, 213-223.	5.2	111
22	<scp>BID</scp> â€dependent release of mitochondrial <scp>SMAC</scp> dampens <scp>XIAP</scp> â€mediated immunity against Shigella. EMBO Journal, 2014, 33, 2171-2187.	7.8	52
23	Loss of the m-AAA protease subunit AFG3L2 causes mitochondrial transport defects and tau hyperphosphorylation. EMBO Journal, 2014, 33, 1011-1026.	7.8	62
24	Tissue-Specific Loss of DARS2 Activates Stress Responses Independently of Respiratory Chain Deficiency in the Heart. Cell Metabolism, 2014, 19, 458-469.	16.2	185
25	DNAJC19, a Mitochondrial Cochaperone Associated with Cardiomyopathy, Forms a Complex with Prohibitins to Regulate Cardiolipin Remodeling. Cell Metabolism, 2014, 20, 158-171.	16.2	157
26	Loss of Prohibitin Membrane Scaffolds Impairs Mitochondrial Architecture and Leads to Tau Hyperphosphorylation and Neurodegeneration. PLoS Genetics, 2012, 8, e1003021.	3.5	154
27	Mitochondrial quality control: a matter of life and death for neurons. EMBO Journal, 2012, 31, 1336-1349.	7.8	335
28	AFG3L2 supports mitochondrial protein synthesis and Purkinje cell survival. Journal of Clinical Investigation, 2012, 122, 4048-4058.	8.2	90
29	Alternative Splicing of Spg7, a Gene Involved in Hereditary Spastic Paraplegia, Encodes a Variant of Paraplegin Targeted to the Endoplasmic Reticulum. PLoS ONE, 2012, 7, e36337.	2.5	10
30	Whole-Exome Sequencing Identifies Homozygous AFG3L2 Mutations in a Spastic Ataxia-Neuropathy Syndrome Linked to Mitochondrial m-AAA Proteases. PLoS Genetics, 2011, 7, e1002325.	3.5	200
31	Regulation of OPA1 processing and mitochondrial fusion by m-AAA protease isoenzymes and OMA1. Journal of Cell Biology, 2009, 187, 1023-1036.	5.2	500
32	Genetic interaction between the m -AAA protease isoenzymes reveals novel roles in cerebellar degeneration. Human Molecular Genetics, 2009, 18, 2001-2013.	2.9	55
33	Pleiotropic effects of spastin on neurite growth depending on expression levels. Journal of Neurochemistry, 2009, 108, 1277-1288.	3.9	84
34	A cryptic promoter in the first exon of the SPG4gene directs the synthesis of the 60-kDa spastin isoform. BMC Biology, 2008, 6, 31.	3.8	40
35	Variable and Tissue-Specific Subunit Composition of Mitochondrial m -AAA Protease Complexes Linked to Hereditary Spastic Paraplegia. Molecular and Cellular Biology, 2007, 27, 758-767.	2.3	172
36	OPA1 Processing Reconstituted in Yeast Depends on the Subunit Composition of the m-AAA Protease in Mitochondria. Molecular Biology of the Cell, 2007, 18, 3582-3590.	2.1	162

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37	Spastin subcellular localization is regulated through usage of different translation start sites and active export from the nucleus. Experimental Cell Research, 2005, 309, 358-369.	2.6	111
38	The m-AAA Protease Defective in Hereditary Spastic Paraplegia Controls Ribosome Assembly in Mitochondria. Cell, 2005, 123, 277-289.	28.9	344
39	Intramuscular viral delivery of paraplegin rescues peripheral axonopathy in a model of hereditary spastic paraplegia. Journal of Clinical Investigation, 2005, 116, 202-208.	8.2	48
40	Spastin interacts with the centrosomal protein NA14, and is enriched in the spindle pole, the midbody and the distal axon. Human Molecular Genetics, 2004, 13, 2121-2132.	2.9	118
41	Axonal degeneration in paraplegin-deficient mice is associated with abnormal mitochondria and impairment of axonal transport. Journal of Clinical Investigation, 2004, 113, 231-242.	8.2	241
42	Axonal degeneration in paraplegin-deficient mice is associated with abnormal mitochondria and impairment of axonal transport. Journal of Clinical Investigation, 2004, 113, 231-242.	8.2	144
43	Spastin, the protein mutated in autosomal dominant hereditary spastic paraplegia, is involved in microtubule dynamics. Human Molecular Genetics, 2002, 11, 153-163.	2.9	307