Andrea Daga

List of Publications by Year
in descending order

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30	2,773	257450 24	454955 30
papers	citations	h-index	g-index

33	33	33	3312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MELAS mutation in mtDNA binding site for transcription termination factor causes defects in protein synthesis and in respiration but no change in levels of upstream and downstream mature transcripts.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 4221-4225.	7.1	499
2	Homotypic fusion of ER membranes requires the dynamin-like GTPase Atlastin. Nature, 2009, 460, 978-983.	27.8	419
3	Natural Selection Favors a Newly Derived timeless Allele in Drosophila melanogaster. Science, 2007, 316, 1895-1898.	12.6	297
4	The Hereditary Spastic Paraplegia Gene, spastin, Regulates Microtubule Stability to Modulate Synaptic Structure and Function. Current Biology, 2004, 14, 1135-1147.	3.9	217
5	Patterning of cells in the Drosophila eye by Lozenge, which shares homologous domains with AML1.. Genes and Development, 1996, 10, 1194-1205.	5.9	172
6	Interactions of Drosophila Cbl with Epidermal Growth Factor Receptors and Role of Cbl in R7 Photoreceptor Cell Development. Molecular and Cellular Biology, 1997, 17, 2217-2225.	2.3	121
7	Disease-related phenotypes in a Drosophila model of hereditary spastic paraplegia are ameliorated by treatment with vinblastine. Journal of Clinical Investigation, 2005, 115, 3026-3034.	8.2	99
8	The first ALS2 missense mutation associated with JPLS reveals new aspects of alsin biological function. Brain, 2006, 129, 1710-1719.	7.6	87
9	The effects of ER morphology on synaptic structure and function in Drosophila melanogaster. Journal of Cell Science, 2016, 129, 1635-48.	2.0	85
10	Spastin Binds to Lipid Droplets and Affects Lipid Metabolism. PLoS Genetics, 2015, 11, e1005149.	3.5	84
11	In vivo functional analysis of the Ras exchange factor son of sevenless. Science, 1995, 268, 576-579.	12.6	80
12	Membrane fusion by the GTPase atlastin requires a conserved C-terminal cytoplasmic tail and dimerization through the middle domain. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11133-11138.	7.1	73
13	Manipulation of Mitochondria Dynamics Reveals Separate Roles for Form and Function in Mitochondria Distribution. Cell Reports, 2018, 23, 1742-1753.	6.4	71
14	Reduction of endoplasmic reticulum stress attenuates the defects caused by Drosophila mitofusin depletion. Journal of Cell Biology, 2014, 204, 303-312.	5.2	60
15	Balancing ER dynamics: shaping, bending, severing, and mending membranes. Current Opinion in Cell Biology, 2011, 23, 435-442.	5.4	55
16	Dynamic constriction and fission of endoplasmic reticulum membranes by reticulon. Nature Communications, 2019, 10, 5327.	12.8	46
17	Eight Novel Mutations in SPG4 in a Large Sample of Patients With Hereditary Spastic Paraplegia. Archives of Neurology, 2006, 63, 750.	4.5	39
18	Transgenic fruit-flies expressing a FRET-based sensor for in vivo imaging of cAMP dynamics. Cellular Signalling, 2007, 19, 2296-2303.	3.6	34

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19	GTP-dependent packing of a three-helix bundle is required for atlastin-mediated fusion. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16283-16288.	7.1	34
20	EFHC1 variants in juvenile myoclonic epilepsy: reanalysis according to NHGRI and ACMG guidelines for assigning disease causality. Genetics in Medicine, 2017, 19, 144-156.	2.4	34
21	Infancy onset hereditary spastic paraplegia associated with a novel atlastin mutation. Neurology, 2003, 61, 580-581.	1.1	30
22	Point mutations and a large intragenic deletion in SPG11 in complicated spastic paraplegia without thin corpus callosum. Journal of Medical Genetics, 2009, 46, 345-351.	3.2	30
23	Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. Autophagy, 2019, 15, 1757-1773.	9.1	29
24	Fusing a lasting relationship between ER tubules. Trends in Cell Biology, 2011, 21, 416-423.	7.9	26
25	Microtubules Stabilization by Mutant Spastin Affects ER Morphology and Ca2+ Handling. Frontiers in Physiology, 2019, 10, 1544.	2.8	19
26	Defhc1.1, a homologue of the juvenile myoclonic gene EFHC1, modulates architecture and basal activity of the neuromuscular junction in Drosophila. Human Molecular Genetics, 2011, 20, 4248-4257.	2.9	15
27	In vivo Analysis of CRISPR/Cas9 Induced Atlastin Pathological Mutations in Drosophila. Frontiers in Neuroscience, 2020, 14, 547746.	2.8	6
28	ER Morphology in the Pathogenesis of Hereditary Spastic Paraplegia. Cells, 2021, 10, 2870.	4.1	6
29	Myoclonin1/EFHC1 disease mechanisms in JME. Epilepsia, 2010, 51, 74-74.	5.1	2
30	Rome University. Nature, 1990, 347, 325-325.	27.8	0