Susan L Cotman

List of Publications by Year
in descending order

27 papers	2,144 citations	331670 21 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	4343 citing authors

#	Article	IF	Citations
1	Genetics of the neuronal ceroid lipofuscinoses (Batten disease). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2237-2241.	3.8	253
2	Autophagy Is Disrupted in a Knock-in Mouse Model of Juvenile Neuronal Ceroid Lipofuscinosis. Journal of Biological Chemistry, 2006, 281, 20483-20493.	3.4	222
3	Mutations in a Novel CLN6-Encoded Transmembrane Protein Cause Variant Neuronal Ceroid Lipofuscinosis in Man and Mouse. American Journal of Human Genetics, 2002, 70, 324-335.	6.2	199
4	Cln3 Deltaex7/8 knock-in mice with the common JNCL mutation exhibit progressive neurologic disease that begins before birth. Human Molecular Genetics, 2002, 11, 2709-2721.	2.9	163
5	Individuals with progranulin haploinsufficiency exhibit features of neuronal ceroid lipofuscinosis. Science Translational Medicine, 2017, 9, .	12.4	147
6	Membrane trafficking and mitochondrial abnormalities precede subunit c deposition in a cerebellar cell model of juvenile neuronal ceroid lipofuscinosis. BMC Neuroscience, 2004, 5, 57.	1.9	122
7	Human iPSC models of neuronal ceroid lipofuscinosis capture distinct effects of TPP1 and CLN3 mutations on the endocytic pathway. Human Molecular Genetics, 2014, 23, 2005-2022.	2.9	121
8	Thalamocortical neuron loss and localized astrocytosis in the Cln3Î”ex7/8 knock-in mouse model of Batten disease. Neurobiology of Disease, 2005, 20, 823-836.	4.4	99
9	A Homozygous Mutation in KCTD7 Links Neuronal Ceroid Lipofuscinosis to the Ubiquitin-Proteasome System. American Journal of Human Genetics, 2012, 91, 202-208.	6.2	97
10	Lysosomal Activity Associated with Developmental Axon Pruning. Journal of Neuroscience, 2008, 28, 8993-9001.	3.6	93
11	Unbiased Cell-based Screening in a Neuronal Cell Model of Batten Disease Highlights an Interaction between Ca2+ Homeostasis, Autophagy, and CLN3 Protein Function. Journal of Biological Chemistry, 2015, 290, 14361-14380.	3.4	75
12	The juvenile Batten disease protein, CLN3, and its role in regulating anterograde and retrograde post-Golgi trafficking. Clinical Lipidology, 2012, 7, 79-91.	0.4	74
13	Neuronal Ceroid Lipofuscinosis: Impact of Recent Genetic Advances and Expansion of the Clinicopathologic Spectrum. Current Neurology and Neuroscience Reports, 2013, 13, 366.	4.2	65
14	Large-Scale Phenotyping of an Accurate Genetic Mouse Model of JNCL Identifies Novel Early Pathology Outside the Central Nervous System. PLoS ONE, 2012, 7, e38310.	2.5	56
15	Differential accumulation of storage bodies with aging defines discrete subsets of microglia in the healthy brain. ELife, 2020, 9, .	6.0	49
16	Loss of Cln3 Function in the Social Amoeba Dictyostelium discoideum Causes Pleiotropic Effects That Are Rescued by Human CLN3. PLoS ONE, 2014, 9, e110544.	2.5	44
17	Lysosomal proteome analysis reveals that CLN3-defective cells have multiple enzyme deficiencies associated with changes in intracellular trafficking. Journal of Biological Chemistry, 2019, 294, 9592-9604.	3.4	44
18	Moving towards a new era of genomics in the neuronal ceroid lipofuscinoses. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165571.	3.8	43

#	Article	IF	Citations
19	Lithium rescues the impaired autophagy process in CbCln3Î”ex7/8/Î”ex7/8 cerebellar cells and reduces neuronal vulnerability to cell death via IMPase inhibition. Journal of Neurochemistry, 2011, 116, 659-668.	3.9	33
20	Diagnosis and misdiagnosis of adult neuronal ceroid lipofuscinosis (Kufs disease). Neurology, 2016, 87, 579-584.	1.1	28
21	Aberrant adhesion impacts early development in aDictyosteliummodel for juvenile neuronal ceroid lipofuscinosis. Cell Adhesion and Migration, 2017, 11, 399-418.	2.7	27
22	Novel DNA Aptamers that Bind to Mutant Huntingtin and Modify Its Activity. Molecular Therapy - Nucleic Acids, 2018, 11, 416-428.	5.1	16
23	CLN3, at the crossroads of endocytic trafficking. Neuroscience Letters, 2021, 762, 136117.	2.1	15
24	An Autophagy Modifier Screen Identifies Small Molecules Capable of Reducing Autophagosome Accumulation in a Model of CLN3-Mediated Neurodegeneration. Cells, 2019, 8, 1531.	4.1	14
25	Autophagy in the Neuronal Ceroid Lipofuscinoses (Batten Disease). Frontiers in Cell and Developmental Biology, 2022, 10, 812728.	3.7	13
26	Altered Expression of Ganglioside Metabolizing Enzymes Results in GM3 Ganglioside Accumulation in Cerebellar Cells of a Mouse Model of Juvenile Neuronal Ceroid Lipofuscinosis. International Journal of Molecular Sciences, 2018, 19, 625.	4.1	12
27	Future perspectives: Moving towards NCL treatments. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2336-2338.	3.8	7