Susan L Ackerman

List of Publications by Year
in descending order

23 papers	2,553 citations	430754 18 h-index	610775 24 g-index
32 all docs	32 docs citations	32 times ranked	4043 citing authors

#	Article	IF	Citations
1	Editing-defective tRNA synthetase causes protein misfolding and neurodegeneration. Nature, 2006, 443, 50-55.	13.7	527
2	Endoplasmic reticulum stress in health and disease. Current Opinion in Cell Biology, 2006, 18, 444-452.	2.6	387
3	Ribosome stalling induced by mutation of a CNS-specific tRNA causes neurodegeneration. Science, 2014, 345, 455-459.	6.0	378
4	Protein accumulation and neurodegeneration in the woozy mutant mouse is caused by disruption of SIL1, a cochaperone of BiP. Nature Genetics, 2005, 37, 974-979.	9.4	206
5	Regulation of mRNA Translation in Neuronsâ€"A Matter of Life and Death. Neuron, 2017, 96, 616-637.	3.8	188
6	Activation of GCN2 kinase by ribosome stalling links translation elongation with translation initiation. ELife, 2016, 5, .	2.8	139
7	A Deficiency of Ceramide Biosynthesis Causes Cerebellar Purkinje Cell Neurodegeneration and Lipofuscin Accumulation. PLoS Genetics, 2011, 7, e1002063.	1.5	137
8	Alteration of the unfolded protein response modifies neurodegeneration in a mouse model of Marinescoâ€"SjÃ¶gren syndrome. Human Molecular Genetics, 2010, 19, 25-35.	1.4	83
9	mRNA Translation Gone Awry: Translation Fidelity and Neurological Disease. Trends in Genetics, 2018, 34, 218-231.	2.9	78
10	Deficiencies in tRNA synthetase editing activity cause cardioproteinopathy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17570-17575.	3.3	76
11	An assessment of mechanisms underlying peripheral axonal degeneration caused by aminoacyl-tRNA synthetase mutations. Molecular and Cellular Neurosciences, 2011, 46, 432-443.	1.0	65
12	Expression of the Neuronal tRNA n-Tr20 Regulates Synaptic Transmission and Seizure Susceptibility. Neuron, 2020, 108, 193-208.e9.	3.8	38
13	ANKRD16 prevents neuron loss caused by an editing-defective tRNA synthetase. Nature, 2018, 557, 510-515.	13.7	37
14	Mutations in the Microtubule-Associated Protein 1A (Map1a) Gene Cause Purkinje Cell Degeneration. Journal of Neuroscience, 2015, 35, 4587-4598.	1.7	36
15	Loss ofClcc1Results in ER Stress, Misfolded Protein Accumulation, and Neurodegeneration. Journal of Neuroscience, 2015, 35, 3001-3009.	1.7	33
16	CHP1-Mediated NHE1 Biosynthetic Maturation Is Required for Purkinje Cell Axon Homeostasis. Journal of Neuroscience, 2013, 33, 12656-12669.	1.7	28
17	GTPBP1 resolves paused ribosomes to maintain neuronal homeostasis. ELife, 2020, 9, .	2.8	28
18	Regulation of ex-translational activities is the primary function of the multi-tRNA synthetase complex. Nucleic Acids Research, 2021, 49, 3603-3616.	6.5	25

#	Article	IF	Citations
19	The Clp1 R140H mutation alters tRNA metabolism and mRNA 3â€² processing in mouse models of pontocerebellar hypoplasia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	23
20	Defects in translation-dependent quality control pathways lead to convergent molecular and neurodevelopmental pathology. ELife, 2021, 10, .	2.8	15
21	Lipid Metabolism and Axon Degeneration: An ACOX1 Balancing Act. Neuron, 2020, 106, 551-553.	3.8	12
22	From ER to Eph Receptors: New Roles for VAP Fragments. Cell, 2008, 133, 949-951.	13.5	5
23	Structural basis for impaired 5â€² processing of a mutant tRNA associated with defects in neuronal homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119529119.	3.3	5