Luke McAlary

List of Publications by Year
in descending order

23 papers	896 citations	471371 17 h-index	642610 23 g-index
33 all docs	33 docs citations	33 times ranked	1370 citing authors

#	Article	IF	Citations
1	The microglial NLRP3 inflammasome is activated by amyotrophic lateral sclerosis proteins. Glia, 2020, 68, 407-421.	2.5	133
2	Prion-Like Propagation of Protein Misfolding and Aggregation in Amyotrophic Lateral Sclerosis. Frontiers in Molecular Neuroscience, 2019, 12, 262.	1.4	101
3	CNS-derived extracellular vesicles from superoxide dismutase 1 (SOD1)G93A ALS mice originate from astrocytes and neurons and carry misfolded SOD1. Journal of Biological Chemistry, 2019, 294, 3744-3759.	1.6	97
4	Susceptibility of Mutant SOD1 to Form a Destabilized Monomer Predicts Cellular Aggregation and Toxicity but Not In vitro Aggregation Propensity. Frontiers in Neuroscience, 2016, 10, 499.	1.4	75
5	The cysteine-reactive small molecule ebselen facilitates effective SOD1 maturation. Nature Communications, 2018, 9, 1693.	5.8	71
6	Proteome Homeostasis Dysfunction: A Unifying Principle in ALS Pathogenesis. Trends in Neurosciences, 2020, 43, 274-284.	4.2	47
7	Glutathionylation potentiates benign superoxide dismutase 1 variants to the toxic forms associated with amyotrophic lateral sclerosis. Scientific Reports, 2013, 3, 3275.	1.6	41
8	SOD1A4V aggregation alters ubiquitin homeostasis in a cell model of ALS. Journal of Cell Science, 2018, 131, .	1.2	39
9	Flow cytometric measurement of the cellular propagation of TDP-43 aggregation. Prion, 2017, 11, 195-204.	0.9	32
10	TryptophanÂ32-mediated SOD1 aggregation is attenuated by pyrimidine-like compounds in living cells. Scientific Reports, 2018, 8, 15590.	1.6	32
11	Rapid flow cytometric measurement of protein inclusions and nuclear trafficking. Scientific Reports, 2016, 6, 31138.	1.6	31
12	Ubiquitin Homeostasis Is Disrupted in TDP-43 and FUS Cell Models of ALS. IScience, 2020, 23, 101700.	1.9	28
13	Amyotrophic Lateral Sclerosis: Proteins, Proteostasis, Prions, and Promises. Frontiers in Cellular Neuroscience, 2020, 14, 581907.	1.8	25
14	Emerging Developments in Targeting Proteotoxicity in Neurodegenerative Diseases. CNS Drugs, 2019, 33, 883-904.	2.7	23
15	Tryptophan residue 32 in human Cu-Zn superoxide dismutase modulates prion-like propagation and strain selection. PLoS ONE, 2020, 15, e0227655.	1.1	22
16	CuATSM Protects Against the In Vitro Cytotoxicity of Wild-Type-Like Copperâ€“Zinc Superoxide Dismutase Mutants but not Mutants That Disrupt Metal Binding. ACS Chemical Neuroscience, 2019, 10, 1555-1564.	1.7	21
17	Cerebrovascular amyloid Angiopathy in bioengineered vessels is reduced by high-density lipoprotein particles enriched in Apolipoprotein E. Molecular Neurodegeneration, 2020, 15, 23.	4.4	19
18	The prion-like nature of amyotrophic lateral sclerosis. Progress in Molecular Biology and Translational Science, 2020, 175, 261-296.	0.9	14

#	Article	IF	Citations
19	Trajectory Taken by Dimeric Cu/Zn Superoxide Dismutase through the Protein Unfolding and Dissociation Landscape Is Modulated by Salt Bridge Formation. Analytical Chemistry, 2020, 92, 1702-1711.	3.2	9
20	CuATSM improves motor function and extends survival but is not tolerated at a high dose in SOD1G93A mice with a C57BL/6 background. Scientific Reports, 2021, 11, 19392.	1.6	9
21	Strategies to promote the maturation of ALS-associated SOD1 mutants: small molecules return to the fold. Neural Regeneration Research, 2019, 14, 1511.	1.6	9
22	Neurodegenerative disease-associated protein aggregates are poor inducers of the heat shock response in neuronal cells. Journal of Cell Science, 2020, 133, .	1.2	6
23	Thulium oxide nanoparticles as radioenhancers for the treatment of metastatic cutaneous squamous cell carcinoma. Physics in Medicine and Biology, 2020, 65, 215018.	1.6	6