Walker S Jackson

List of Publications by Year
in descending order

31	1,433	516710 16	454955 30
papers	citations	h-index	g-index

36	36	36	2356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intraflagellar transport is essential for endochondral bone formation. Development (Cambridge), 2007, 134, 307-316.	2.5	343
2	The power of automated high-resolution behavior analysis revealed by its application to mouse models of Huntington's and prion diseases. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1983-1988.	7.1	160
3	Spontaneous Generation of Prion Infectivity in Fatal Familial Insomnia Knockin Mice. Neuron, 2009, 63, 438-450.	8.1	131
4	Epigenetic alterations in longevity regulators, reduced life span, and exacerbated aging-related pathology in old father offspring mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2348-E2357.	7.1	102
5	Stroke target identification guided by astrocyte transcriptome analysis. Glia, 2019, 67, 619-633.	4.9	77
6	Selective vulnerability to neurodegenerative disease: the curious case of Prion Protein. DMM Disease Models and Mechanisms, 2014, 7, 21-29.	2.4	74
7	Heat shock factor 1 regulates lifespan as distinct from disease onset in prion disease. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13626-13631.	7.1	62
8	Lymphotoxin-Dependent Prion Replication in Inflammatory Stromal Cells of Granulomas. Immunity, 2008, 29, 998-1008.	14.3	51
9	Profoundly different prion diseases in knock-in mice carrying single PrP codon substitutions associated with human diseases. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14759-14764.	7.1	47
10	Structural and mechanistic aspects influencing the ADAM10-mediated shedding of the prion protein. Molecular Neurodegeneration, 2018, 13, 18.	10.8	45
11	Prion Pathogenesis is Independent of Caspase-12. Prion, 2007, 1, 243-247.	1.8	44
12	Memory trace interference impairs recall in a mouse model of Alzheimerâ€™s disease. Nature Neuroscience, 2020, 23, 952-958.	14.8	43
13	Diminishing Apoptosis by Deletion of Bax or Overexpression of Bcl-2 Does Not Protect against Infectious Prion ToxicityIn Vivo. Journal of Neuroscience, 2007, 27, 13022-13027.	3.6	34
14	Context dependent neuroprotective properties of prion protein (PrP). Prion, 2009, 3, 240-249.	1.8	32
15	Nucleocytoplasmic transport signals affect the age at onset of abnormalities in knock-in mice expressing polyglutamine within an ectopic protein context. Human Molecular Genetics, 2003, 12, 1621-1629.	2.9	26
16	Requirements for Mutant and Wild-Type Prion Protein Misfolding In Vitro. Biochemistry, 2015, 54, 1180-1187.	2.5	20
17	Manipulating the Prion Protein Gene Sequence and Expression Levels with CRISPR/Cas9. PLoS ONE, 2016, 11, e0154604.	2.5	20
18	Astonishing advances in mouse genetic tools for biomedical research. Swiss Medical Weekly, 2015, 145, w14186.	1.6	15

#	Article	IF	Citations
19	The natural Disc1-deletion present in several inbred mouse strains does not affect sleep. Scientific Reports, 2017, 7, 5665.	3.3	14
20	Translation of the Prion Protein mRNA Is Robust in Astrocytes but Does Not Amplify during Reactive Astrocytosis in the Mouse Brain. PLoS ONE, 2014, 9, e95958.	2.5	12
21	Taggerâ€"A Swiss army knife for multiomics to dissect cell typeâ€"specific mechanisms of gene expression in mice. PLoS Biology, 2019, 17, e3000374.	5.6	12
22	Context-dependent perturbation of neural systems in transgenic mice expressing a cytosolic prion protein. NeuroImage, 2010, 49, 2607-2617.	4.2	11
23	Slc1a3-2A-CreERT2 mice reveal unique features of Bergmann glia and augment a growing collection of Cre drivers and effectors in the 129S4 genetic background. Scientific Reports, 2021, 11, 5412.	3.3	10
24	Peculiarities of Prion Diseases. PLoS Pathogens, 2014, 10, e1004451.	4.7	9
25	CalDAG-GEFI mediates striatal cholinergic modulation of dendritic excitability, synaptic plasticity and psychomotor behaviors. Neurobiology of Disease, 2021, 158, 105473.	4.4	8
26	Genetic human prion disease modelled in PrP transgenic Drosophila. Biochemical Journal, 2017, 474, 3253-3267.	3.7	6
27	Prion-induced neurotoxicity: Possible role for cell cycle activity and DNA damage response. World Journal of Virology, 2015, 4, 188.	2.9	6
28	Clearance of variant Creutzfeldtâ€"Jakob disease prions in vivo by the Hsp70 disaggregase system. Brain, 2022, 145, 3236-3249.	7.6	6
29	Application of a RiboTagâ€based approach to generate and analyze mRNA from enteric neural cells. Neurogastroenterology and Motility, 2022, 34, e14309.	3.0	5
30	Illuminating aggregate heterogeneity in neurodegenerative disease. Nature Methods, 2007, 4, 1000-1001.	19.0	4
31	Memory trace superimposition impairs recall in a mouse model of AD. SSRN Electronic Journal, 0, , .	0.4	0