Adam Keith Walker

List of Publications by Year
in descending order

51 papers	2,305 citations	279778 23 h-index	223791 46 g-index
58 all docs	58 docs citations	58 times ranked	3149 citing authors

#	Article	IF	Citations
1	Functional recovery in new mouse models of ALS/FTLD after clearance of pathological cytoplasmic TDP-43. Acta Neuropathologica, 2015, 130, 643-660.	7.7	215
2	Protein disulphide isomerase protects against protein aggregation and is S-nitrosylated in amyotrophic lateral sclerosis. Brain, 2010, 133, 105-116.	7.6	156
3	ALS-Associated TDP-43 Induces Endoplasmic Reticulum Stress, Which Drives Cytoplasmic TDP-43 Accumulation and Stress Granule Formation. PLoS ONE, 2013, 8, e81170.	2.5	141
4	The Pathobiology of TDP-43 C-Terminal Fragments in ALS and FTLD. Frontiers in Neuroscience, 2019, 13, 335.	2.8	135
5	Redefining the Role of Metallothionein within the Injured Brain. Journal of Biological Chemistry, 2008, 283, 15349-15358.	3.4	130
6	Mutant FUS induces endoplasmic reticulum stress in amyotrophic lateral sclerosis and interacts with protein disulfide-isomerase. Neurobiology of Aging, 2012, 33, 2855-2868.	3.1	88
7	Defects in optineurin- and myosin VI-mediated cellular trafficking in amyotrophic lateral sclerosis. Human Molecular Genetics, 2015, 24, 3830-3846.	2.9	71
8	Astrocytic TDP-43 Pathology in Alexander Disease. Journal of Neuroscience, 2014, 34, 6448-6458.	3.6	64
9	Mutant <scp>SOD</scp>1 inhibits <scp>ER</scp>â€Golgi transport in amyotrophic lateral sclerosis. Journal of Neurochemistry, 2014, 129, 190-204.	3.9	61
10	Extracellular wildtype and mutant SOD1 induces ERâ€“Golgi pathology characteristic of amyotrophic lateral sclerosis in neuronal cells. Cellular and Molecular Life Sciences, 2013, 70, 4181-4195.	5.4	59
11	Stress signaling from the endoplasmic reticulum: A central player in the pathogenesis of amyotrophic lateral sclerosis. IUBMB Life, 2011, 63, n/a-n/a.	3.4	58
12	Protein Quality Control and the Amyotrophic Lateral Sclerosis/Frontotemporal Dementia Continuum. Frontiers in Molecular Neuroscience, 2017, 10, 119.	2.9	58
13	Proteomics Approaches for Biomarker and Drug Target Discovery in ALS and FTD. Frontiers in Neuroscience, 2019, 13, 548.	2.8	57
14	Impaired NHEJ repair in amyotrophic lateral sclerosis is associated with TDP-43 mutations. Molecular Neurodegeneration, 2020, 15, 51.	10.8	54
15	Neuroinflammation in schizophrenia: the role of nuclear factor kappa B. Translational Psychiatry, 2021, 11, 528.	4.8	54
16	Pathogenic mutation in the ALS/FTD gene, CCNF, causes elevated Lys48-linked ubiquitylation and defective autophagy. Cellular and Molecular Life Sciences, 2018, 75, 335-354.	5.4	44
17	An insoluble frontotemporal lobar degeneration-associated TDP-43 C-terminal fragment causes neurodegeneration and hippocampus pathology in transgenic mice. Human Molecular Genetics, 2015, 24, 7241-7254.	2.9	39
18	Mislocalisation of TDPâ€43 to the cytoplasm causes cortical hyperexcitability and reduced excitatory neurotransmission in the motor cortex. Journal of Neurochemistry, 2021, 157, 1300-1315.	3.9	36

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19	Nuclear factor kappa B activation appears weaker in schizophrenia patients with high brain cytokines than in non-schizophrenic controls with high brain cytokines. Journal of Neuroinflammation, 2020, 17, 215.	7.2	33
20	Bim Links ER Stress and Apoptosis in Cells Expressing Mutant SOD1 Associated with Amyotrophic Lateral Sclerosis. PLoS ONE, 2012, 7, e35413.	2.5	31
21	TDP-43 pathology: From noxious assembly to therapeutic removal. Progress in Neurobiology, 2022, 211, 102229.	5.7	30
22	Casein kinase II phosphorylation of cyclin F at serine 621 regulates the Lys48-ubiquitylation E3 ligase activity of the SCF (cyclin F) complex. Open Biology, 2017, 7, 170058.	3.6	29
23	Circulating epinephrine is not required for chronic stress to enhance metastasis. Psychoneuroendocrinology, 2019, 99, 191-195.	2.7	26
24	Impaired glymphatic function in the early stages of disease in a TDP-43 mouse model of amyotrophic lateral sclerosis. Translational Neurodegeneration, 2022, 11, 17.	8.0	26
25	Novel monoclonal antibodies to normal and pathologically altered human TDP-43 proteins. Acta Neuropathologica Communications, 2014, 2, 33.	5.2	25
26	ERp57 is protective against mutant SOD1-induced cellular pathology in amyotrophic lateral sclerosis. Human Molecular Genetics, 2018, 27, 1311-1331.	2.9	24
27	Regional, cellular and species difference of two key neuroinflammatory genes implicated in schizophrenia. Brain, Behavior, and Immunity, 2020, 88, 826-839.	4.1	23
28	Label-Free Fluorescent Poly(amidoamine) Dendrimer for Traceable and Controlled Drug Delivery. Biomacromolecules, 2019, 20, 2148-2158.	5.4	19
29	<scp>Nâ€“</scp>linked glycosylation modulates dimerization of protein disulfide isomerase familyÂ<scp>A</scp> memberÂ2 (<scp>PDIA</scp>2). FEBS Journal, 2013, 280, 233-243.	4.7	18
30	Protein Disulfide Isomerase and the Endoplasmic Reticulum in Amyotrophic Lateral Sclerosis. Journal of Neuroscience, 2010, 30, 3865-3867.	3.6	15
31	Mechanisms of Neuroprotection by Protein Disulphide Isomerase in Amyotrophic Lateral Sclerosis. Neurology Research International, 2011, 2011, 1-7.	1.3	15
32	Riluzole does not ameliorate disease caused by cytoplasmic TDPâ€43 in a mouse model of amyotrophic lateral sclerosis. European Journal of Neuroscience, 2021, 54, 6237-6255.	2.6	15
33	Stilbenes from Veratrum maackii Regel Protect against Ethanol-Induced DNA Damage in Mouse Cerebellum and Cerebral Cortex. ACS Chemical Neuroscience, 2018, 9, 1616-1624.	3.5	14
34	Workflow for Rapidly Extracting Biological Insights from Complex, Multicondition Proteomics Experiments with WGCNA and PloGO2. Journal of Proteome Research, 2020, 19, 2898-2906.	3.7	13
35	Trajectory of change in brain complement factors from neonatal to young adult humans. Journal of Neurochemistry, 2021, 157, 479-493.	3.9	12
36	Unbiased Label-Free Quantitative Proteomics of Cells Expressing Amyotrophic Lateral Sclerosis (ALS) Mutations in CCNF Reveals Activation of the Apoptosis Pathway: A Workflow to Screen Pathogenic Gene Mutations. Frontiers in Molecular Neuroscience, 2021, 14, 627740.	2.9	12

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37	Peripheral NF-ÎºB dysregulation in people with schizophrenia drives inflammation: putative anti-inflammatory functions of NF-ÎºB kinases. Translational Psychiatry, 2022, 12, 21.	4.8	12
38	Metallothionein expression by NG2 glial cells following CNS injury. Cellular and Molecular Life Sciences, 2007, 64, 2716-2722.	5.4	11
39	Disrupting circadian rhythms promotes cancer-induced inflammation in mice. Brain, Behavior, & Immunity - Health, 2022, 21, 100428.	2.5	9
40	Genetic and immunopathological analysis of CHCHD10 in Australian amyotrophic lateral sclerosis and frontotemporal dementia and transgenic TDP-43 mice. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 162-171.	1.9	8
41	The Cysteine (Cys) Residues Cys-6 and Cys-111 in Mutant Superoxide Dismutase 1 (SOD1) A4V Are Required for Induction of Endoplasmic Reticulum Stress in Amyotrophic Lateral Sclerosis. Journal of Molecular Neuroscience, 2020, 70, 1357-1368.	2.3	8
42	Longitudinal exploration of cancer-related cognitive impairment in patients with newly diagnosed aggressive lymphoma: protocol for a feasibility study. BMJ Open, 2020, 10, e038312.	1.9	6
43	Neurodegenerative disease-associated protein aggregates are poor inducers of the heat shock response in neuronal cells. Journal of Cell Science, 2020, 133, .	2.0	6
44	Cancer-related cognitive impairment in patients with newly diagnosed aggressive lymphoma undergoing standard chemotherapy: a longitudinal feasibility study. Supportive Care in Cancer, 0, , .	2.2	6
45	Cryptic inclusions UNCover losses driving neurodegeneration. Trends in Genetics, 2022, 38, 889-891.	6.7	4
46	Where Thereâ€™s Smoke, Thereâ€™s Fireâ€”But Who Is Lighting the Match? Bolstering Transcriptional Evidence for the Role of Nuclear Factor-ÎºB in Neuroimmune Activation in Schizophrenia. Biological Psychiatry, 2019, 85, 5-7.	1.3	2
47	miR-23a suppression accelerates functional decline in the rNLS8 mouse model of TDP-43 proteinopathy. Neurobiology of Disease, 2022, 162, 105559.	4.4	2
48	Clocking onto chemotherapy to enhance cancer treatment. Brain, Behavior, and Immunity, 2022, 100, 172-173.	4.1	1
49	Early and progressive dysfunction revealed by in vivo neurite imaging in the rNLS8 TDP-43 mouse model of ALS. NeuroImage: Clinical, 2022, 34, 103016.	2.7	1
50	Note in reference to â€œMutant FUS induces endoplasmic reticulum stress in amyotrophic lateral sclerosis and interacts with protein disulfide-isomeraseâ€•[Neurobiol. Aging 33(12) (2012) 2855-2868]. Neurobiology of Aging, 2017, 60, 205.	3.1	0
51	Involvement of endoplasmic reticulum stress in TDP-43-linked neurodegenerative disease. Postdoc Journal, 2014, 2, .	0.4	0