Andrew Grierson

List of Publications by Year
in descending order

45 papers	4,812 citations	159525 30 h-index	233338 45 g-index
47 all docs	47 docs citations	47 times ranked	7157 citing authors

#	Article	IF	Citations
1	Role of Axonal Transport in Neurodegenerative Diseases. Annual Review of Neuroscience, 2008, 31, 151-173.	5.0	638
2	Molecular pathways of motor neuron injury in amyotrophic lateral sclerosis. Nature Reviews Neurology, 2011, 7, 616-630.	4.9	512
3	Familial amyotrophic lateral sclerosis-linked SOD1 mutants perturb fast axonal transport to reduce axonal mitochondria content. Human Molecular Genetics, 2007, 16, 2720-2728.	1.4	365
4	The C9orf72 protein interacts with Rab1a and the <scp>ULK</scp>1 complex to regulate initiation of autophagy. EMBO Journal, 2016, 35, 1656-1676.	3.5	327
5	Mitochondrial Function and Actin Regulate Dynamin-Related Protein 1-Dependent Mitochondrial Fission. Current Biology, 2005, 15, 678-683.	1.8	320
6	Systemic Delivery of scAAV9 Expressing SMN Prolongs Survival in a Model of Spinal Muscular Atrophy. Science Translational Medicine, 2010, 2, 35ra42.	5.8	246
7	Mutations in CHMP2B in Lower Motor Neuron Predominant Amyotrophic Lateral Sclerosis (ALS). PLoS ONE, 2010, 5, e9872.	1.1	204
8	Neurofilament heavy chain side arm phosphorylation regulates axonal transport of neurofilaments. Journal of Cell Biology, 2003, 161, 489-495.	2.3	185
9	Charcot-Marie-Tooth disease neurofilament mutations disrupt neurofilament assembly and axonal transport. Human Molecular Genetics, 2002, 11, 2837-2844.	1.4	183
10	Parkinson's disease Î±-synuclein mutations exhibit defective axonal transport in cultured neurons. Journal of Cell Science, 2004, 117, 1017-1024.	1.2	163
11	Glutamate Slows Axonal Transport of Neurofilaments in Transfected Neurons. Journal of Cell Biology, 2000, 150, 165-176.	2.3	149
12	Direct evidence for axonal transport defects in a novel mouse model of mutant spastinâ€induced hereditary spastic paraplegia (HSP) and human HSP patients. Journal of Neurochemistry, 2009, 110, 34-44.	2.1	135
13	Hereditary spastic paraparesis: Disrupted intracellular transport associated with spastin mutation. Annals of Neurology, 2003, 54, 748-759.	2.8	114
14	Phosphorylation of thr668 in the cytoplasmic domain of the Alzheimer's disease amyloid precursor protein by stress-activated protein kinase 1b (Jun N-terminal kinase-3). Journal of Neurochemistry, 2009, 76, 316-320.	2.1	113
15	p38Î± stress-activated protein kinase phosphorylates neurofilaments and is associated with neurofilament pathology in amyotrophic lateral sclerosis. Molecular and Cellular Neurosciences, 2004, 26, 354-364.	1.0	104
16	Axonal transport of neurofilaments in normal and disease states. Cellular and Molecular Life Sciences, 2002, 59, 323-330.	2.4	84
17	Optimised and Rapid Pre-clinical Screening in the SOD1G93A Transgenic Mouse Model of Amyotrophic Lateral Sclerosis (ALS). PLoS ONE, 2011, 6, e23244.	1.1	80
18	Superoxide dismutase 1 mutation in a cellular model of amyotrophic lateral sclerosis shifts energy generation from oxidative phosphorylation to glycolysis. Neurobiology of Aging, 2014, 35, 1499-1509.	1.5	77

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19	Review: The role of mitochondria in the pathogenesis of amyotrophic lateral sclerosis. Neuropathology and Applied Neurobiology, 2011, 37, 336-352.	1.8	72
20	Selective loss of neurofilament expression in Cu/Zn superoxide dismutase (SOD1) linked amyotrophic lateral sclerosis. Journal of Neurochemistry, 2004, 82, 1118-1128.	2.1	70
21	Impairment of the tRNA-splicing endonuclease subunit 54 (tsen54) gene causes neurological abnormalities and larval death in zebrafish models of pontocerebellar hypoplasia. Human Molecular Genetics, 2011, 20, 1574-1584.	1.4	55
22	Axonal Transport Defects in a Mitofusin 2 Loss of Function Model of Charcot-Marie-Tooth Disease in Zebrafish. PLoS ONE, 2013, 8, e67276.	1.1	55
23	S[+] Apomorphine is a CNS penetrating activator of the Nrf2-ARE pathway with activity in mouse and patient fibroblast models of amyotrophic lateral sclerosis. Free Radical Biology and Medicine, 2013, 61, 438-452.	1.3	54
24	New pedigrees and novel mutation expand the phenotype of REEP1-associated hereditary spastic paraplegia (HSP). Neurogenetics, 2009, 10, 105-110.	0.7	42
25	Use of zebrafish models to investigate rare human disease. Journal of Medical Genetics, 2018, 55, 641-649.	1.5	42
26	The Effect of SOD1 Mutation on Cellular Bioenergetic Profile and Viability in Response to Oxidative Stress and Influence of Mutation-Type. PLoS ONE, 2013, 8, e68256.	1.1	42
27	Altered age-related changes in bioenergetic properties and mitochondrial morphology in fibroblasts from sporadic amyotrophic lateral sclerosis patients. Neurobiology of Aging, 2015, 36, 2893-2903.	1.5	38
28	Three different human tau isoforms and rat neurofilament light, middle and heavy chain proteins are cellular substrates for transglutaminase. Neuroscience Letters, 2001, 298, 9-12.	1.0	37
29	AAV9-mediated central nervous systemâ€“targeted gene delivery via cisterna magna route in mice. Molecular Therapy - Methods and Clinical Development, 2016, 3, 15055.	1.8	37
30	Discovery of Western European R1b1a2 Y Chromosome Variants in 1000 Genomes Project Data: An Online Community Approach. PLoS ONE, 2012, 7, e41634.	1.1	36
31	Tardbpl splicing rescues motor neuron and axonal development in a mutant tardbp zebrafish. Human Molecular Genetics, 2013, 22, 2376-2386.	1.4	32
32	Characterization of the caspase cascade in a cell culture model of SOD1-related familial amyotrophic lateral sclerosis: expression, activation and therapeutic effects of inhibition. Neuropathology and Applied Neurobiology, 2005, 31, 467-485.	1.8	29
33	Abnormalities in whisking behaviour are associated with lesions in brain stem nuclei in a mouse model of amyotrophic lateral sclerosis. Behavioural Brain Research, 2014, 259, 274-283.	1.2	24
34	Gestational choriocarcinoma of the ovary diagnosed by analysis of tumour DNA. Cancer Letters, 1996, 104, 27-30.	3.2	21
35	Polyglutamine repeat length influences human androgen receptor/c-Jun mediated transcription. Neuroscience Letters, 1999, 277, 9-12.	1.0	19
36	ALG-2 interacting protein AIP1: a novel link between D1 and D3 signalling. European Journal of Neuroscience, 2008, 27, 1626-1633.	1.2	19

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37	The gene for the human Src-like adaptor protein (hSLAP) is located within the 64-kb intron of the thyroglobulin gene. FEBS Journal, 1998, 254, 297-303.	0.2	17
38	Early Detection of Motor Dysfunction in the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis (ALS) Using Home Cage Running Wheels. PLoS ONE, 2014, 9, e107918.	1.1	16
39	Adipose-derived stem cells protect motor neurons and reduce glial activation in both inÂvitro and inÂvivo models of ALS. Molecular Therapy - Methods and Clinical Development, 2021, 21, 413-433.	1.8	11
40	Investigation of the RB-1 Tumour Suppressor Gene in a United Kingdom Series of Non-Hodgkin's Lymphomas. Leukemia and Lymphoma, 1996, 23, 353-363.	0.6	10
41	Androgen induced cell death in SHSY5Y neuroblastoma cells expressing wild-type and spinal bulbar muscular atrophy mutant androgen receptors. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2001, 1536, 13-20.	1.8	9
42	No Evidence for Cardiac Dysfunction in Kif6 Mutant Mice. PLoS ONE, 2013, 8, e54636.	1.1	9
43	An integrated map of chromosome 18 CAG trinucleotide repeat loci. European Journal of Human Genetics, 1999, 7, 12-19.	1.4	5
44	The GLP-1 receptor agonist, liraglutide, fails to slow disease progression in SOD1G93A and TDP-43Q331K transgenic mouse models of ALS. Scientific Reports, 2021, 11, 17027.	1.6	5
45	Lamb1a regulates atrial growth by limiting second heart field addition during zebrafish heart development. Development (Cambridge), 2021, 148, .	1.2	5