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	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
2	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
3	Lamb1a regulates atrial growth by limiting second heart field addition during zebrafish heart development. Development (Cambridge), 2021, 148, .	1.2	5
4	Use of zebrafish models to investigate rare human disease. Journal of Medical Genetics, 2018, 55, 641-649.	1.5	42
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Tardbpl splicing rescues motor neuron and axonal development in a mutant tardbp zebrafish. Human Molecular Genetics, 2013, 22, 2376-2386.	1.4	32
13	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
14	No Evidence for Cardiac Dysfunction in Kif6 Mutant Mice. PLoS ONE, 2013, 8, e54636.	1.1	9
15	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
16	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
17	Molecular pathways of motor neuron injury in amyotrophic lateral sclerosis. Nature Reviews Neurology, 2011, 7, 616-630.	4.9	512
18	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

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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	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
21	Systemic Delivery of scAAV9 Expressing SMN Prolongs Survival in a Model of Spinal Muscular Atrophy. Science Translational Medicine, 2010, 2, 35ra42.	5.8	246
22	Mutations in CHMP2B in Lower Motor Neuron Predominant Amyotrophic Lateral Sclerosis (ALS). PLoS ONE, 2010, 5, e9872.	1.1	204
23	New pedigrees and novel mutation expand the phenotype of REEP1-associated hereditary spastic paraplegia (HSP). Neurogenetics, 2009, 10, 105-110.	0.7	42
24	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
25	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
26	ALG-2 interacting protein AIP1: a novel link between D1 and D3 signalling. European Journal of Neuroscience, 2008, 27, 1626-1633.	1.2	19
27	Role of Axonal Transport in Neurodegenerative Diseases. Annual Review of Neuroscience, 2008, 31, 151-173.	5.0	638
28	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
29	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
30	Mitochondrial Function and Actin Regulate Dynamin-Related Protein 1-Dependent Mitochondrial Fission. Current Biology, 2005, 15, 678-683.	1.8	320
31	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
32	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
33	Parkinson's disease Î±-synuclein mutations exhibit defective axonal transport in cultured neurons. Journal of Cell Science, 2004, 117, 1017-1024.	1.2	163
34	Hereditary spastic paraparesis: Disrupted intracellular transport associated with spastin mutation. Annals of Neurology, 2003, 54, 748-759.	2.8	114
35	Neurofilament heavy chain side arm phosphorylation regulates axonal transport of neurofilaments. Journal of Cell Biology, 2003, 161, 489-495.	2.3	185
36	Charcot-Marie-Tooth disease neurofilament mutations disrupt neurofilament assembly and axonal transport. Human Molecular Genetics, 2002, 11, 2837-2844.	1.4	183

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37	Axonal transport of neurofilaments in normal and disease states. Cellular and Molecular Life Sciences, 2002, 59, 323-330.	2.4	84
38	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
39	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
40	Glutamate Slows Axonal Transport of Neurofilaments in Transfected Neurons. Journal of Cell Biology, 2000, 150, 165-176.	2.3	149
41	An integrated map of chromosome 18 CAG trinucleotide repeat loci. European Journal of Human Genetics, 1999, 7, 12-19.	1.4	5
42	Polyglutamine repeat length influences human androgen receptor/c-Jun mediated transcription. Neuroscience Letters, 1999, 277, 9-12.	1.0	19
43	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
44	Gestational choriocarcinoma of the ovary diagnosed by analysis of tumour DNA. Cancer Letters, 1996, 104, 27-30.	3.2	21
45	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