

Siddharthan Chandran

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170
papers

8,314
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88
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197
ext. papers

10,155
ext. citations

8.8
avg, IF

5.65
L-index

#	Paper	IF	Citations
170	Characterizing the RNA targets and position-dependent splicing regulation by TDP-43. <i>Nature Neuroscience</i> , 2011 , 14, 452-8	25.5	745
169	Autologous mesenchymal stem cells for the treatment of secondary progressive multiple sclerosis: an open-label phase 2a proof-of-concept study. <i>Lancet Neurology</i> , 2012 , 11, 150-6	24.1	460
168	Axonal transport of TDP-43 mRNA granules is impaired by ALS-causing mutations. <i>Neuron</i> , 2014 , 81, 536-543	34.3	408
167	Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis. <i>Nature Genetics</i> , 2016 , 48, 1043-8	36.3	328
166	Autophagy induction enhances TDP43 turnover and survival in neuronal ALS models. <i>Nature Chemical Biology</i> , 2014 , 10, 677-85	11.7	298
165	Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell-specific vulnerability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5803-8	11.5	254
164	Oligodendrocytes promote neuronal survival and axonal length by distinct intracellular mechanisms: a novel role for oligodendrocyte-derived glial cell line-derived neurotrophic factor. <i>Journal of Neuroscience</i> , 2003 , 23, 4967-74	6.6	239
163	Astrocyte pathology and the absence of non-cell autonomy in an induced pluripotent stem cell model of TDP-43 proteinopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4697-702	11.5	238
162	Human iPSC-derived motoneurons harbouring TARDBP or C9ORF72 ALS mutations are dysfunctional despite maintaining viability. <i>Nature Communications</i> , 2015 , 6, 5999	17.4	186
161	A highly enriched niche of precursor cells with neuronal and glial potential within the hair follicle dermal papilla of adult skin. <i>Stem Cells</i> , 2008 , 26, 163-72	5.8	176
160	Modeling ALS with motor neurons derived from human induced pluripotent stem cells. <i>Nature Neuroscience</i> , 2016 , 19, 542-53	25.5	174
159	Efficient generation of neural precursors from adult human skin: astrocytes promote neurogenesis from skin-derived stem cells. <i>Lancet</i> , 2004 , 364, 172-8	40	170
158	Lineage-specific distribution of high levels of genomic 5-hydroxymethylcytosine in mammalian development. <i>Cell Research</i> , 2011 , 21, 1332-42	24.7	161
157	A role for oligodendrocyte-derived IGF-1 in trophic support of cortical neurons. <i>Glia</i> , 2001 , 36, 48-57	9	152
156	Robust, persistent transgene expression in human embryonic stem cells is achieved with AAVS1-targeted integration. <i>Stem Cells</i> , 2008 , 26, 496-504	5.8	149
155	Neurons and neuronal activity control gene expression in astrocytes to regulate their development and metabolism. <i>Nature Communications</i> , 2017 , 8, 15132	17.4	136
154	Signaling pathways controlling pluripotency and early cell fate decisions of human induced pluripotent stem cells. <i>Stem Cells</i> , 2009 , 27, 2655-66	5.8	135

153	Improving the translational hit of experimental treatments in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 1044-55	5	121
152	Integrin activation promotes axon growth on inhibitory chondroitin sulfate proteoglycans by enhancing integrin signaling. <i>Journal of Neuroscience</i> , 2011 , 31, 6289-95	6.6	120
151	Mild oxidative stress activates Nrf2 in astrocytes, which contributes to neuroprotective ischemic preconditioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1-2; author reply E3-4	11.5	112
150	What wires together dies together: verbs, actions and neurodegeneration in motor neuron disease. <i>Cortex</i> , 2012 , 48, 936-44	3.8	105
149	ALS-specific cognitive and behavior changes associated with advancing disease stage in ALS. <i>Neurology</i> , 2018 , 91, e1370-e1380	6.5	105
148	C9ORF72 repeat expansion causes vulnerability of motor neurons to Ca-permeable AMPA receptor-mediated excitotoxicity. <i>Nature Communications</i> , 2018 , 9, 347	17.4	104
147	Validation of the Edinburgh Cognitive and Behavioural Amyotrophic Lateral Sclerosis Screen (ECAS): A cognitive tool for motor disorders. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2015 , 16, 172-9	3.6	102
146	Neuronal development is promoted by weakened intrinsic antioxidant defences due to epigenetic repression of Nrf2. <i>Nature Communications</i> , 2015 , 6, 7066	17.4	101
145	Influence of intracerebral hemorrhage location on incidence, characteristics, and outcome: population-based study. <i>Stroke</i> , 2015 , 46, 361-8	6.7	98
144	A scaleable and defined system for generating neural stem cells from human embryonic stem cells. <i>Stem Cells</i> , 2007 , 25, 731-7	5.8	95
143	The mesenchymal stem cells in multiple sclerosis (MSCIMS) trial protocol and baseline cohort characteristics: an open-label pre-test: post-test study with blinded outcome assessments. <i>Trials</i> , 2011 , 12, 62	2.8	93
142	Dopamine from the brain promotes spinal motor neuron generation during development and adult regeneration. <i>Developmental Cell</i> , 2013 , 25, 478-91	10.2	84
141	Cell-mediated neuroprotection in a mouse model of human tauopathy. <i>Journal of Neuroscience</i> , 2010 , 30, 9973-83	6.6	76
140	Multidimensional apathy in ALS: validation of the Dimensional Apathy Scale. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 663-9	5.5	73
139	A novel role for Semaphorin 3A in neuroprotection from injury mediated by activated microglia. <i>Journal of Neuroscience</i> , 2006 , 26, 1730-8	6.6	72
138	High yields of oligodendrocyte lineage cells from human embryonic stem cells at physiological oxygen tensions for evaluation of translational biology. <i>Stem Cell Reports</i> , 2013 , 1, 437-50	8	70
137	Activin/Nodal inhibition alone accelerates highly efficient neural conversion from human embryonic stem cells and imposes a caudal positional identity. <i>PLoS ONE</i> , 2009 , 4, e7327	3.7	70
136	Different pathways for iNOS-mediated toxicity in vitro dependent on neuronal maturation and NMDA receptor expression. <i>Journal of Neurochemistry</i> , 2002 , 82, 269-82	6	67

135	Thrombotic microangiopathy associated with interferon beta. <i>New England Journal of Medicine</i> , 2014 , 370, 1270-1	59.2	66
134	Automated mechanical passaging: a novel and efficient method for human embryonic stem cell expansion. <i>Stem Cells</i> , 2006 , 24, 230-5	5.8	64
133	Differential generation of oligodendrocytes from human and rodent embryonic spinal cord neural precursors. <i>Glia</i> , 2004 , 47, 314-24	9	54
132	NMDA receptor-dependent glutamate excitotoxicity in human embryonic stem cell-derived neurons. <i>Neuroscience Letters</i> , 2013 , 543, 95-100	3.3	53
131	Multipotent skin-derived precursors: from biology to clinical translation. <i>Current Opinion in Biotechnology</i> , 2009 , 20, 522-30	11.4	53
130	Environmental signals regulate lineage choice and temporal maturation of neural stem cells from human embryonic stem cells. <i>Brain</i> , 2007 , 130, 1263-75	11.2	53
129	An experimental model of secondary progressive multiple sclerosis that shows regional variation in gliosis, remyelination, axonal and neuronal loss. <i>Journal of Neuroimmunology</i> , 2008 , 201-202, 200-11	3.5	52
128	Human stem cell-derived astrocytes replicate human prions in a genotype-dependent manner. <i>Journal of Experimental Medicine</i> , 2017 , 214, 3481-3495	16.6	51
127	Maturation and electrophysiological properties of human pluripotent stem cell-derived oligodendrocytes. <i>Stem Cells</i> , 2016 , 34, 1040-53	5.8	50
126	Induction of Olig2 precursors by FGF involves BMP signalling blockade at the Smad level. <i>PLoS ONE</i> , 2008 , 3, e2863	3.7	49
125	Mutant C9orf72 human iPSC-derived astrocytes cause non-cell autonomous motor neuron pathophysiology. <i>Glia</i> , 2020 , 68, 1046-1064	9	49
124	Efficacy of three neuroprotective drugs in secondary progressive multiple sclerosis (MS-SMART): a phase 2b, multiarm, double-blind, randomised placebo-controlled trial. <i>Lancet Neurology</i> , 2020 , 19, 214-225	24.1	48
123	Embryonic stem cell-derived neural progenitors display temporal restriction to neural patterning. <i>Stem Cells</i> , 2006 , 24, 1908-13	5.8	47
122	Synapse loss in the prefrontal cortex is associated with cognitive decline in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2018 , 135, 213-226	14.3	45
121	The clinico-radiological paradox of cognitive function and MRI burden of white matter lesions in people with multiple sclerosis: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2017 , 12, e0177727	3.7	44
120	Investigating the utility of human embryonic stem cell-derived neurons to model ageing and neurodegenerative disease using whole-genome gene expression and splicing analysis. <i>Journal of Neurochemistry</i> , 2012 , 122, 738-51	6	41
119	Drug repurposing: a systematic approach to evaluate candidate oral neuroprotective interventions for secondary progressive multiple sclerosis. <i>PLoS ONE</i> , 2015 , 10, e0117705	3.7	40
118	Multidimensional apathy and executive dysfunction in amyotrophic lateral sclerosis. <i>Cortex</i> , 2017 , 94, 142-151	3.8	39

117	Physiological normoxia and absence of EGF is required for the long-term propagation of anterior neural precursors from human pluripotent cells. <i>PLoS ONE</i> , 2014 , 9, e85932	3.7	39
116	Chorioretinal thinning in chronic kidney disease links to inflammation and endothelial dysfunction. <i>JCI Insight</i> , 2016 , 1, e89173	9.9	37
115	Myelin repair: the role of stem and precursor cells in multiple sclerosis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 171-83	5.8	34
114	Postnatal astrocytes promote neural induction from adult human bone marrow-derived stem cells. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2003 , 12, 681-8		34
113	Allele-specific knockdown of ALS-associated mutant TDP-43 in neural stem cells derived from induced pluripotent stem cells. <i>PLoS ONE</i> , 2014 , 9, e91269	3.7	33
112	Using induced pluripotent stem cells (iPSC) to model human neuromuscular connectivity: promise or reality?. <i>Journal of Anatomy</i> , 2012 , 220, 122-30	2.9	32
111	July 2017 ENCALS statement on edaravone. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2017 , 18, 471-474	3.6	31
110	Lateral thinking - Interocular symmetry and asymmetry in neurovascular patterning, in health and disease. <i>Progress in Retinal and Eye Research</i> , 2017 , 59, 131-157	20.5	30
109	Evidence for abnormal tau phosphorylation in early aggressive multiple sclerosis. <i>Acta Neuropathologica</i> , 2009 , 117, 583-9	14.3	29
108	Human stem cell-derived astrocytes and their application to studying Nrf2-mediated neuroprotective pathways and therapeutics in neurodegeneration. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 907-18	3.8	28
107	Neuroprotective effect of oligodendrocyte precursor cell transplantation in a long-term model of periventricular leukomalacia. <i>American Journal of Pathology</i> , 2009 , 175, 2332-42	5.8	28
106	Mitochondrial bioenergetic deficits in C9orf72 amyotrophic lateral sclerosis motor neurons cause dysfunctional axonal homeostasis. <i>Acta Neuropathologica</i> , 2021 , 141, 257-279	14.3	27
105	Maturation of AMPAR composition and the GABAAR reversal potential in hPSC-derived cortical neurons. <i>Journal of Neuroscience</i> , 2014 , 34, 4070-5	6.6	26
104	Focal immune-mediated white matter demyelination reveals an age-associated increase in axonal vulnerability and decreased remyelination efficiency. <i>American Journal of Pathology</i> , 2012 , 180, 1897-905	5.8	26
103	Executive, language and fluency dysfunction are markers of localised TDP-43 cerebral pathology in non-demented ALS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 149-157	5.5	26
102	Multiple Sclerosis-Secondary Progressive Multi-Arm Randomisation Trial (MS-SMART): a multiarm phase IIb randomised, double-blind, placebo-controlled clinical trial comparing the efficacy of three neuroprotective drugs in secondary progressive multiple sclerosis. <i>BMJ Open</i> , 2018 , 8, e021944	3	26
101	Improved PCR based methods for detecting C9orf72 hexanucleotide repeat expansions. <i>Molecular and Cellular Probes</i> , 2016 , 30, 218-224	3.3	25
100	Reversal of proliferation deficits caused by chromosome 16p13.11 microduplication through targeting NFB signaling: an integrated study of patient-derived neuronal precursor cells, cerebral organoids and in vivo brain imaging. <i>Molecular Psychiatry</i> , 2019 , 24, 294-311	15.1	25

99	Hypothermic Preconditioning of Human Cortical Neurons Requires Proteostatic Priming. <i>EBioMedicine</i> , 2015 , 2, 528-35	8.8	24
98	Elucidating Pro-Inflammatory Cytokine Responses after Traumatic Brain Injury in a Human Stem Cell Model. <i>Journal of Neurotrauma</i> , 2018 , 35, 341-352	5.4	24
97	Abnormal tau phosphorylation in primary progressive multiple sclerosis. <i>Acta Neuropathologica</i> , 2010 , 119, 591-600	14.3	24
96	The Dementias Platform UK (DPUK) Data Portal. <i>European Journal of Epidemiology</i> , 2020 , 35, 601-611	12.1	23
95	Human stem cell-derived neurons: a system to study human tau function and dysfunction. <i>PLoS ONE</i> , 2010 , 5, e13947	3.7	23
94	Management of sialorrhoea in motor neuron disease: a survey of current UK practice. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2013 , 14, 521-7	3.6	22
93	Neural stem cells as a potential source of oligodendrocytes for myelin repair. <i>Journal of the Neurological Sciences</i> , 2005 , 233, 179-81	3.2	22
92	Genetic epidemiology of motor neuron disease-associated variants in the Scottish population. <i>Neurobiology of Aging</i> , 2017 , 51, 178.e11-178.e20	5.6	21
91	Regional potential for oligodendrocyte generation in the rodent embryonic spinal cord following exposure to EGF and FGF-2. <i>Glia</i> , 1998 , 24, 382-9	9	21
90	Changing epidemiology of motor neurone disease in Scotland. <i>Journal of Neurology</i> , 2019 , 266, 817-825	5.5	21
89	Functional properties of in vitro excitatory cortical neurons derived from human pluripotent stem cells. <i>Journal of Physiology</i> , 2016 , 594, 6573-6582	3.9	20
88	Evidence for evolutionary divergence of activity-dependent gene expression in developing neurons. <i>ELife</i> , 2016 , 5,	8.9	20
87	iPSC-derived myelinoids to study myelin biology of humans. <i>Developmental Cell</i> , 2021 , 56, 1346-1358.e6	10.2	20
86	Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology. <i>Nature Genetics</i> , 2021 , 53, 1636-1648	36.3	19
85	Dysregulation of AMPA receptor subunit expression in sporadic ALS post-mortem brain. <i>Journal of Pathology</i> , 2020 , 250, 67-78	9.4	19
84	Human embryonic stem cell-derived neurons as a tool for studying neuroprotection and neurodegeneration. <i>Molecular Neurobiology</i> , 2010 , 42, 97-102	6.2	18
83	Mesenchymal stem cells lack efficacy in the treatment of experimental autoimmune neuritis despite in vitro inhibition of T-cell proliferation. <i>PLoS ONE</i> , 2012 , 7, e30708	3.7	17
82	Neural precursor cells cultured at physiologically relevant oxygen tensions have a survival advantage following transplantation. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 464-72	6.9	17

81	-derived arginine-containing dipeptide repeats associate with axonal transport machinery and impede microtubule-based motility. <i>Science Advances</i> , 2021 , 7,	14.3	17
80	The relationships between symptoms, disability, perceived health and quality of life in amyotrophic lateral sclerosis/motor neuron disease. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2019 , 20, 317-327	3.6	16
79	Enhanced axonal response of mitochondria to demyelination offers neuroprotection: implications for multiple sclerosis. <i>Acta Neuropathologica</i> , 2020 , 140, 143-167	14.3	15
78	Systematic review of prediction models in relapsing remitting multiple sclerosis. <i>PLoS ONE</i> , 2020 , 15, e0233575	3.7	14
77	A multicentre evaluation of oropharyngeal secretion management practices in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2017 , 18, 1-9	3.6	14
76	Impact of preterm birth on brain development and long-term outcome: protocol for a cohort study in Scotland. <i>BMJ Open</i> , 2020 , 10, e035854	3	14
75	FMRP Interacts with C/D Box snoRNA in the Nucleus and Regulates Ribosomal RNA Methylation. <i>IScience</i> , 2018 , 9, 399-411	6.1	14
74	Ionotropic GABA and glycine receptor subunit composition in human pluripotent stem cell-derived excitatory cortical neurones. <i>Journal of Physiology</i> , 2014 , 592, 4353-63	3.9	13
73	Integrated Flexible Hybrid Silicone-Textile Dual-Resonant Sensors and Switching Circuit for Wearable Neurodegeneration Monitoring Systems. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019 , 13, 1304-1312	5.1	13
72	Familial t(1;11) translocation is associated with disruption of white matter structural integrity and oligodendrocyte-myelin dysfunction. <i>Molecular Psychiatry</i> , 2019 , 24, 1641-1654	15.1	12
71	Regional variation in the incidence rate and sex ratio of multiple sclerosis in Scotland 2010-2017: findings from the Scottish Multiple Sclerosis Register. <i>Journal of Neurology</i> , 2019 , 266, 2376-2386	5.5	11
70	A single systemic inflammatory insult causes acute motor deficits and accelerates disease progression in a mouse model of human tauopathy. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019 , 5, 579-591	6	11
69	Generation of pure monocultures of human microglia-like cells from induced pluripotent stem cells. <i>Stem Cell Research</i> , 2020 , 49, 102046	1.6	11
68	CNS macrophages differentially rely on an intronic enhancer for their development. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	11
67	DISC1 regulates N-methyl-D-aspartate receptor dynamics: abnormalities induced by a Disc1 mutation modelling a translocation linked to major mental illness. <i>Translational Psychiatry</i> , 2018 , 8, 184	8.6	11
66	Could an Impairment in Local Translation of mRNAs in Glia be Contributing to Pathogenesis in ALS?. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 124	6.1	9
65	Altered network properties in C9ORF72 repeat expansion cortical neurons are due to synaptic dysfunction. <i>Molecular Neurodegeneration</i> , 2021 , 16, 13	19	9
64	Modeling the C9ORF72 repeat expansion mutation using human induced pluripotent stem cells. <i>Brain Pathology</i> , 2017 , 27, 518-524	6	8

63	Clinical audit research and evaluation of motor neuron disease (CARE-MND): a national electronic platform for prospective, longitudinal monitoring of MND in Scotland. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2019 , 20, 242-250	3.6	8
62	Targeting mitochondrial dysfunction in amyotrophic lateral sclerosis: a systematic review and meta-analysis. <i>Brain Communications</i> , 2019 , 1, fcz009	4.5	8
61	Interleukin-8 dysregulation is implicated in brain dysmaturation following preterm birth. <i>Brain, Behavior, and Immunity</i> , 2020 , 90, 311-318	16.6	7
60	C9orf72-derived arginine-containing dipeptide repeats associate with axonal transport machinery and impede microtubule-based motility		7
59	Non-Invasive RF Technique for Detecting Different Stages of Alzheimer's Disease and Imaging Beta-Amyloid Plaques and Tau Tangles in the Brain. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 4060-4070	11.7	7
58	A systematic review of neuropsychiatric and cognitive assessments used in clinical trials for amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2021 , 268, 4510-4521	5.5	7
57	Defining novel functions for cerebrospinal fluid in ALS pathophysiology. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 140	7.3	7
56	Hypothermic Preconditioning Reverses Tau Ontogenesis in Human Cortical Neurons and is Mimicked by Protein Phosphatase 2A Inhibition. <i>EBioMedicine</i> , 2016 , 3, 141-154	8.8	7
55	Characterisation of tissue-type metabolic content in secondary progressive multiple sclerosis: a magnetic resonance spectroscopic imaging study. <i>Journal of Neurology</i> , 2018 , 265, 1795-1802	5.5	7
54	Generation of twenty four induced pluripotent stem cell lines from twenty four members of the Lothian Birth Cohort 1936. <i>Stem Cell Research</i> , 2020 , 46, 101851	1.6	6
53	Reliability and validity of the brief dimensional apathy scale. <i>Archives of Clinical Neuropsychology</i> , 2020 , 35, 539-544	2.7	6
52	Amiloride, fluoxetine or riluzole to reduce brain volume loss in secondary progressive multiple sclerosis: the MS-SMART four-arm RCT. <i>Efficacy and Mechanism Evaluation</i> , 2020 , 7, 1-72	1.7	6
51	Safety and efficacy of bexarotene in patients with relapsing-remitting multiple sclerosis (CCMR One): a randomised, double-blind, placebo-controlled, parallel-group, phase 2a study. <i>Lancet Neurology</i> , 2021 , 20, 709-720	24.1	6
50	Cortical neurons derived from human pluripotent stem cells lacking FMRP display altered spontaneous firing patterns. <i>Molecular Autism</i> , 2020 , 11, 52	6.5	5
49	Improved detection of RNA foci in amyotrophic lateral sclerosis post-mortem tissue using BaseScope shows a lack of association with cognitive dysfunction. <i>Brain Communications</i> , 2020 , 2, fcaa009	4.5	5
48	Relationship between neuropsychiatric disorders and cognitive and behavioural change in MND. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 245-253	5.5	5
47	Comment on "Drug screening for ALS using patient-specific induced pluripotent stem cells". <i>Science Translational Medicine</i> , 2013 , 5, 188le2	17.5	5
46	Experimental and therapeutic opportunities for stem cells in multiple sclerosis. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 14470-91	6.3	5

45	Minimally manipulated oligodendrocyte precursor cells retain exclusive commitment to the oligodendrocyte lineage following transplantation into intact and injured hippocampus. <i>European Journal of Neuroscience</i> , 2007 , 26, 1791-800	3.5	5
44	An integrated multi-omic analysis of iPSC-derived motor neurons from C9ORF72 ALS patients. <i>iScience</i> , 2021 , 24, 103221	6.1	5
43	40 Years of CSF Toxicity Studies in ALS: What Have We Learnt About ALS Pathophysiology?. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 647895	6.1	5
42	The prevalence of paramagnetic rim lesions in multiple sclerosis: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2021 , 16, e0256845	3.7	5
41	Neuronal Activity and Its Role in Controlling Antioxidant Genes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
40	Using human pluripotent stem cells to study post-transcriptional mechanisms of neurodegenerative diseases. <i>Brain Research</i> , 2012 , 1462, 129-38	3.7	4
39	Reactive astrocytes acquire neuroprotective as well as deleterious signatures in response to Tau and A β pathology.. <i>Nature Communications</i> , 2022 , 13, 135	17.4	4
38	Cerebrospinal fluid cytotoxicity in amyotrophic lateral sclerosis: a systematic review of studies. <i>Brain Communications</i> , 2020 , 2, fcaa121	4.5	4
37	The immediate impact of the COVID-19 pandemic on motor neuron disease services and mortality in Scotland. <i>Journal of Neurology</i> , 2021 , 268, 2038-2040	5.5	4
36	Excellent reliability of the ALSFRS-R administered via videoconferencing: A study of people with motor neuron disease in Scotland. <i>Journal of the Neurological Sciences</i> , 2020 , 416, 116991	3.2	3
35	Therapeutic Targeting of Proteostasis in Amyotrophic Lateral Sclerosis-a Systematic Review and Meta-Analysis of Preclinical Research. <i>Frontiers in Neuroscience</i> , 2020 , 14, 511	5.1	3
34	Mesenchymal stromal cell transplantation modulates neuroinflammatory milieu in amyotrophic lateral sclerosis. <i>Cytotherapy</i> , 2014 , 16, 1031-2	4.8	3
33	Data-driven analysis shows robust links between fatigue and depression in early multiple sclerosis		3
32	Patterns of cognitive dysfunction in progressive MS. <i>Behavioural Neurology</i> , 2013 , 27, 259-65	3	3
31	Riluzole prescribing, uptake and treatment discontinuation in people with amyotrophic lateral sclerosis in Scotland. <i>Journal of Neurology</i> , 2020 , 267, 2459-2461	5.5	3
30	Continuous Immune-Modulatory Effects of Human Olig2+ Precursor Cells Attenuating a Chronic-Active Model of Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2020 , 57, 1021-1034	6.2	3
29	An epidemiological profile of dysarthria incidence and assistive technology use in the living population of people with MND in Scotland. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2020 , 21, 116-122	3.6	3
28	The Prevalence and Management of Saliva Problems in Motor Neuron Disease: A 4-Year Analysis of the Scottish Motor Neuron Disease Register. <i>Neurodegenerative Diseases</i> , 2020 , 20, 147-152	2.3	2

27	Rationale and design of the brain magnetic resonance imaging protocol for FutureMS: a longitudinal multi-centre study of newly diagnosed patients with relapsing-remitting multiple sclerosis in Scotland		2
26	Classification of Alzheimers Disease using RF Signals and Machine Learning. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2021 , 1-1	2.8	2
25	Efficacy of Fluoxetine, Riluzole and Amiloride in treating neuropathic pain associated with secondary progressive multiple sclerosis. Pre-specified analysis of the MS-SMART double-blind randomised placebo-controlled trial. <i>Multiple Sclerosis and Related Disorders</i> , 2022 , 63, 103925	4	2
24	Improved survival and 30-day mortality after gastrostomy in Scottish motor neurone disease patients: evidence from a national retrospective cohort study using STROBE criteria. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2019 , 20, 165-171	3.6	1
23	In Vitro Generation and Electrophysiological Characterization of OPCs and Oligodendrocytes from Human Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2019 , 1936, 65-77	1.4	1
22	National audit of cognitive assessment in people with pWMND A national audit of cognitive assessment in people with motor neurone disease (pWMND) in Scotland. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2020 , 21, 459-462	3.6	1
21	MRI-derived g-ratio and lesion severity in newly diagnosed multiple sclerosis. <i>Brain Communications</i> , 2021 , 3, fcb249	4.5	1
20	Patterns of brain neurodegeneration in early-stage relapsing-remitting multiple sclerosis		1
19	Trials for neurodegenerative diseases: time to innovate. <i>Lancet Neurology, The</i> , 2021 , 20, 984	24.1	1
18	Prospective observational cohort study of factors influencing trial participation in people with motor neuron disease (FIT-participation-MND): a protocol. <i>BMJ Open</i> , 2021 , 11, e044996	3	1
17	Renewed assessment of the risk of emergent advanced cell therapies to transmit neuroproteinopathies. <i>Acta Neuropathologica</i> , 2019 , 137, 363-377	14.3	1
16	The ciliary gene INPP5E confers dorsal telencephalic identity to human cortical organoids by negatively regulating Sonic hedgehog signaling.. <i>Cell Reports</i> , 2022 , 39, 110811	10.6	1
15	Clinical trials in amyotrophic lateral sclerosis: a systematic review and perspective.. <i>Brain Communications</i> , 2021 , 3, fcb242	4.5	0
14	Transactive response DNA-binding protein-43 proteinopathy in oligodendrocytes revealed using an induced pluripotent stem cell model.. <i>Brain Communications</i> , 2021 , 3, fcb255	4.5	0
13	Remote testing of vitamin D levels across the UK MS population-A case control study. <i>PLoS ONE</i> , 2020 , 15, e0241459	3.7	0
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