Andreas Hermann

List of Publications by Year in Descending Order

193 papers	4,758 citations	35 h-index	63 g-index
221 ext. papers	5,900 ext. citations	5.7 avg, IF	5.31 L-index

#	Paper	IF	Citations
193	Functional Gene Intron 13 Polymorphism Predicts Dyskinesia in Parkinson's Disease.. *Parkinson's Disease*, **2022**, 2022, 5597503	2.6	
192	XK-Associated McLeod Syndrome: Nonhematological Manifestations and Relation to VPS13A Disease.. *Transfusion Medicine and Hemotherapy*, **2022**, 49, 4-12	4.2	1
191	Correlative all-optical quantification of mass density and mechanics of sub-cellular compartments with fluorescence specificity.. *ELife*, **2022**, 11,	8.9	1
190	Safety and Effectiveness of Long-term Intravenous Administration of Edaravone for Treatment of Patients With Amyotrophic Lateral Sclerosis.. *JAMA Neurology*, **2022**,	17.2	5
189	Co-condensation of proteins with single- and double-stranded DNA.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2107871119	11.5	2
188	Applied Bayesian Approaches for Research in Motor Neuron Disease.. *Frontiers in Neurology*, **2022**, 13, 796777	4.1	0
187	Changes in Blood Cell Deformability in Chorea-Acanthocytosis and Effects of Treatment With Dasatinib or Lithium.. *Frontiers in Physiology*, **2022**, 13, 852946	4.6	0
186	Erysense, a Lab-on-a-Chip-Based Point-of-Care Device to Evaluate Red Blood Cell Flow Properties With Multiple Clinical Applications.. *Frontiers in Physiology*, **2022**, 13, 884690	4.6	1
185	Methylation and Expression of Mutant in Motor Neurons Differentiated From Induced Pluripotent Stem Cells From ALS Patients. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 774751	5.7	
184	A selectable all-in-one CRISPR prime editing piggyBac transposon allows for highly efficient gene editing in human cell lines. *Scientific Reports*, **2021**, 11, 22154	4.9	1
183	Loss of "insight" into behavioral changes in ALS: Differences across cognitive profiles. *Brain and Behavior*, **2021**, 12, e2439	3.4	2
182	One nerve suffices: A clinically guided nerve ultrasound protocol for the differentiation of multifocal motor neuropathy (MMN) and amyotrophic lateral sclerosis (ALS). *Journal of Neurology*, **2021**, 268, 1495-1507	5.5	5
181	Serum creatine kinase and creatinine in adult spinal muscular atrophy under nusinersen treatment. *Annals of Clinical and Translational Neurology*, **2021**, 8, 1049-1063	5.3	8
180	Functional and Molecular Properties of DYT-SGCE Myoclonus-Dystonia Patient-Derived Striatal Medium Spiny Neurons. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
179	Cerebellar atrophy on top of motor neuron compromise as indicator of late-onset GM2 gangliosidosis. *Journal of Neurology*, **2021**, 268, 2259-2262	5.5	2
178	Chronic-Progressive Dopaminergic Deficiency Does Not Induce Midbrain Neurogenesis. *Cells*, **2021**, 10,	7.9	1
177	The palmomental reflex in amyotrophic lateral sclerosis - a clinical sign of executive or motor dysfunction?. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2021**, 22, 588-591	3.6	1

176	Reconditioning the Neurogenic Niche of Adult Non-human Primates by Antisense Oligonucleotide-Mediated Attenuation of TGFβ Signaling. *Neurotherapeutics*, **2021**, 18, 1963-1979	6.4	2
175	A serum microRNA sequence reveals fragile X protein pathology in amyotrophic lateral sclerosis. *Brain*, **2021**, 144, 1214-1229	11.2	2
174	Pathophysiological In Vitro Profile of Neuronal Differentiated Cells Derived from Niemann-Pick Disease Type C2 Patient-Specific iPSCs Carrying the Mutations c.58G>T/c.140G>T. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
173	Acanthocyte Sedimentation Rate as a Diagnostic Biomarker for Neuroacanthocytosis Syndromes: Experimental Evidence and Physical Justification. *Cells*, **2021**, 10,	7.9	6
172	Therapeutic targeting of Lyn kinase to treat chorea-acanthocytosis. *Acta Neuropathologica Communications*, **2021**, 9, 81	7.3	4
171	Impairment of mitochondrial oxidative phosphorylation in skin fibroblasts of SALS and FALS patients is rescued by in vitro treatment with ROS scavengers. *Experimental Neurology*, **2021**, 339, 113620	5.7	6
170	Targeting Lyn Kinase in Chorea-Acanthocytosis: A Translational Treatment Approach in a Rare Disease. *Journal of Personalized Medicine*, **2021**, 11,	3.6	3
169	Reduced Expression of GABA Receptor Alpha2 Subunit Is Associated With Disinhibition of DYT-THAP1 Dystonia Patient-Derived Striatal Medium Spiny Neurons. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 650586	5.7	2
168	Pathomechanisms of ALS8: altered autophagy and defective RNA binding protein (RBP) homeostasis due to the VAPB P56S mutation. *Cell Death and Disease*, **2021**, 12, 466	9.8	4
167	The Erythrocyte Sedimentation Rate and Its Relation to Cell Shape and Rigidity of Red Blood Cells from Chorea-Acanthocytosis Patients in an Off-Label Treatment with Dasatinib. *Biomolecules*, **2021**, 11,	5.9	4
166	Cognitive reserve and regional brain volume in amyotrophic lateral sclerosis. *Cortex*, **2021**, 139, 240-248	3.8	5
165	DDX17 is involved in DNA damage repair and modifies FUS toxicity in an RGG-domain dependent manner. *Acta Neuropathologica*, **2021**, 142, 515-536	14.3	3
164	Informal Caregiving in Amyotrophic Lateral Sclerosis (ALS): A High Caregiver Burden and Drastic Consequences on Caregivers' Lives. *Brain Sciences*, **2021**, 11,	3.4	8
163	Cardiac manifestation is evident in chorea-acanthocytosis but different from McLeod syndrome. *Parkinsonism and Related Disorders*, **2021**, 88, 90-95	3.6	1
162	A molecular genetics view on Mucopolysaccharidosis Type II. *Mutation Research - Reviews in Mutation Research*, **2021**, 788, 108392	7	1
161	TDP-43 as structure-based biomarker in amyotrophic lateral sclerosis. *Annals of Clinical and Translational Neurology*, **2021**, 8, 271-277	5.3	5
160	Treatment satisfaction in 5q-spinal muscular atrophy under nusinersen therapy. *Therapeutic Advances in Neurological Disorders*, **2021**, 14, 1756286421998902	6.6	5
159	Pluripotent Stem Cells for Disease Modeling and Drug Discovery in Niemann-Pick Type C1. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3

158	Fused in sarcoma-amyotrophic lateral sclerosis as a novel member of DNA single strand break diseases with pure neurological phenotypes. *Neural Regeneration Research*, **2021**, 16, 110-112	4.5	1
157	Intersektoralit **2021**, 93-107		1
156	Concomitant gain and loss of function pathomechanisms in C9ORF72 amyotrophic lateral sclerosis. *Life Science Alliance*, **2021**, 4,	5.8	1
155	Medikamente Therapie der amyotrophen Lateralsklerose: ein Update. *DGNeurologie*, **2021**, 4, 80-86	0.2	
154	A Nation-Wide, Multi-Center Study on the Quality of Life of ALS Patients in Germany. *Brain Sciences*, **2021**, 11,	3.4	3
153	Interleukin-17 and Th17 Lymphocytes Directly Impair Motoneuron Survival of Wildtype and FUS-ALS Mutant Human iPSCs. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
152	Increased chitotriosidase 1 concentration following nusinersen treatment in spinal muscular atrophy. *Orphanet Journal of Rare Diseases*, **2021**, 16, 330	4.2	1
151	FUS Is Not Mislocalized in Spinal Motor Neurons Derived From Human Induced Pluripotent Stem Cells of Main Non-FUS ALS Subtypes. *Journal of Neuropathology and Experimental Neurology*, **2021**, 80, 720-722	3.1	
150	Norepinephrine is a negative regulator of the adult periventricular neural stem cell niche. *Stem Cells*, **2020**, 38, 1188-1201	5.8	10
149	Nusinersen in adults with 5q spinal muscular atrophy: a non-interventional, multicentre, observational cohort study. *Lancet Neurology, The*, **2020**, 19, 317-325	24.1	98
148	Combined Dendritic and Axonal Deterioration Are Responsible for Motoneuronopathy in Patient-Derived Neuronal Cell Models of Chorea-Acanthocytosis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
147	Peripheral proinflammatory Th1/Th17 immune cell shift is linked to disease severity in amyotrophic lateral sclerosis. *Scientific Reports*, **2020**, 10, 5941	4.9	24
146	Generation of induced pluripotent stem cell lines AKOSi002-A and AKOSi003-A from symptomatic female adults with Wilson disease. *Stem Cell Research*, **2020**, 43, 101708	1.6	0
145	Knocking out C9ORF72 Exacerbates Axonal Trafficking Defects Associated with Hexanucleotide Repeat Expansion and Reduces Levels of Heat Shock Proteins. *Stem Cell Reports*, **2020**, 14, 390-405	8	29
144	Assessment of Gene Variant Amenability for Pharmacological Chaperone Therapy with 1-Deoxygalactonojirimycin in Fabry Disease. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
143	Symptomatic pharmacotherapy in ALS: data analysis from a platform-based medication management programme. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 783-785	5.5	7
142	Motoneuronerkrankungen **2020**, 153-177		
141	Human Spinal Motor Neurons Are Particularly Vulnerable to Cerebrospinal Fluid of Amyotrophic Lateral Sclerosis Patients. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4

140	Reader response: An observational study on quality of life and preferences to sustain life in locked-in state. *Neurology*, **2020**, 95, 275	6.5	
139	Neurofilament light chain in serum is significantly increased in chorea-acanthocytosis. *Parkinsonism and Related Disorders*, **2020**, 80, 28-31	3.6	5
138	Proteostasis regulators modulate proteasomal activity and gene expression to attenuate multiple phenotypes in Fabry disease. *Biochemical Journal*, **2020**, 477, 359-380	3.8	9
137	SQSTM1/p62 variants in 486 patients with familial ALS from Germany and Sweden. *Neurobiology of Aging*, **2020**, 87, 139.e9-139.e15	5.6	16
136	Effect of High-Caloric Nutrition on Survival in Amyotrophic Lateral Sclerosis. *Annals of Neurology*, **2020**, 87, 206-216	9.4	42
135	Depending on the stress, histone deacetylase inhibitors act as heat shock protein co-inducers in motor neurons and potentiate arimoclomol, exerting neuroprotection through multiple mechanisms in ALS models. *Cell Stress and Chaperones*, **2020**, 25, 173-191	4	22
134	Catecholaminergic Innervation of Periventricular Neurogenic Regions of the Developing Mouse Brain. *Frontiers in Neuroanatomy*, **2020**, 14, 558435	3.6	3
133	Oxidative Stress and Alterations in the Antioxidative Defense System in Neuronal Cells Derived from NPC1 Patient-Specific Induced Pluripotent Stem Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
132	Generation of two induced pluripotent stem cell lines from a female adult homozygous for the Wilson disease associated ATP7B variant p.H1069Q (AKOSi008-A) and a healthy control (AKOSi009-A). *Stem Cell Research*, **2020**, 49, 102079	1.6	
131	MDS criteria for the diagnosis of progressive supranuclear palsy overemphasize Richardson syndrome. *Annals of Clinical and Translational Neurology*, **2020**, 7, 1702-1707	5.3	2
130	Effect of high-caloric nutrition on serum neurofilament light chain levels in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 1007-1009	5.5	12
129	Generation of an iPSC line (AKOSi006-A) from fibroblasts of an NPC1 patient, carrying the homozygous mutation p.I1061T (c.3182□□>□C) and a control iPSC line (AKOSi007-A) using a non-integrating Sendai virus system. *Stem Cell Research*, **2020**, 49, 102056	1.6	1
128	Genome Wide Analysis Points towards Subtype-Specific Diseases in Different Genetic Forms of Amyotrophic Lateral Sclerosis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
127	Neurofilament light chain in serum of adolescent and adult SMA patients under treatment with nusinersen. *Journal of Neurology*, **2020**, 267, 36-44	5.5	18
126	Poly-glycine-alanine exacerbates C9orf72 repeat expansion-mediated DNA damage via sequestration of phosphorylated ATM and loss of nuclear hnRNPA3. *Acta Neuropathologica*, **2020**, 139, 99-118	14.3	25
125	Stimulation of mGluR1/5 Improves Defective Internalization of AMPA Receptors in NPC1 Mutant Mouse. *Cerebral Cortex*, **2020**, 30, 1465-1480	5.1	5
124	9-Methyl-□-carboline inhibits monoamine oxidase activity and stimulates the expression of neurotrophic factors by astrocytes. *Journal of Neural Transmission*, **2020**, 127, 999-1012	4.3	3
123	Generation of an iPSC line (AKOSi004-A) from fibroblasts of a female adult NPC1 patient, carrying the compound heterozygous mutation p.Val1023Serfs*15/p.Gly992Arg and of an iPSC line (AKOSi005-A) from a female adult control individual. *Stem Cell Research*, **2020**, 50, 102127	1.6	1

122	Neurofilaments and tau in CSF in an infant with SMA type 1 treated with nusinersen. *Journal of Neurology, Neurosurgery and Psychiatry*, **2019**, 90, 1068-1069	5.5	27
121	Neurochemical markers in CSF of adolescent and adult SMA patients undergoing nusinersen treatment. *Therapeutic Advances in Neurological Disorders*, **2019**, 12, 1756286419846058	6.6	24
120	Altered calcium dynamics and glutamate receptor properties in iPSC-derived motor neurons from ALS patients with C9orf72, FUS, SOD1 or TDP43 mutations. *Human Molecular Genetics*, **2019**, 28, 2835-2850	5.6	20
119	Silent but significant - A synonymous SNV alters prognosis in Pompe disease. *EBioMedicine*, **2019**, 43, 20-21	8.8	
118	Off-Label Treatment of 4 Amyotrophic Lateral Sclerosis Patients With 4-Aminopyridine. *Journal of Clinical Pharmacology*, **2019**, 59, 1400-1404	2.9	4
117	Prognostic factors in ALS: a comparison between Germany and China. *Journal of Neurology*, **2019**, 266, 1516-1525	5.5	27
116	Palatal Tremor with Progressive Ataxia Secondary to A Dural Arteriovenous Fistula. *Movement Disorders Clinical Practice*, **2019**, 6, 327-329	2.2	2
115	Putaminal Dopamine Turnover in de novo Parkinson's Disease Predicts Later Neuropsychiatric Fluctuations but Not Other Major Health Outcomes. *Journal of Parkinson's Disease*, **2019**, 9, 693-704	5.3	5
114	KCNC1-related disorders: new de novo variants expand the phenotypic spectrum. *Annals of Clinical and Translational Neurology*, **2019**, 6, 1319-1326	5.3	14
113	Generation of the Niemann-Pick type C2 patient-derived iPSC line AKOSi001-A. *Stem Cell Research*, **2019**, 41, 101606	1.6	5
112	Phenotypes and malignancy risk of different FUS mutations in genetic amyotrophic lateral sclerosis. *Annals of Clinical and Translational Neurology*, **2019**, 6, 2384-2394	5.3	25
111	Patient-Reported Prevalence of Non-motor Symptoms Is Low in Adult Patients Suffering From 5q Spinal Muscular Atrophy. *Frontiers in Neurology*, **2019**, 10, 1098	4.1	4
110	Determination of the Pathological Features of NPC1 Variants in a Cellular Complementation Test. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
109	FUS (fused in sarcoma) is a component of the cellular response to topoisomerase I-induced DNA breakage and transcriptional stress. *Life Science Alliance*, **2019**, 2,	5.8	7
108	Routine Cerebrospinal Fluid (CSF) Parameters in Patients With Spinal Muscular Atrophy (SMA) Treated With Nusinersen. *Frontiers in Neurology*, **2019**, 10, 1179	4.1	6
107	Increased Neuronal Differentiation Efficiency in High Cell Density-Derived Induced Pluripotent Stem Cells. *Stem Cells International*, **2019**, 2019, 2018784	5	1
106	Alteration of GABAergic Input Precedes Neurodegeneration of Cerebellar Purkinje Cells of NPC1-Deficient Mice. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	4
105	Motor Unit Number Index (MUNIX) of hand muscles is a disease biomarker for adult spinal muscular atrophy. *Clinical Neurophysiology*, **2019**, 130, 315-319	4.3	29

104	Age-dependent neurodegeneration and organelle transport deficiencies in mutant TDP43 patient-derived neurons are independent of TDP43 aggregation. *Neurobiology of Disease*, **2018**, 115, 167-181	7.5	41
103	Isogenic FUS-eGFP iPSC Reporter Lines Enable Quantification of FUS Stress Granule Pathology that Is Rescued by Drugs Inducing Autophagy. *Stem Cell Reports*, **2018**, 10, 375-389	8	64
102	Provision of assistive technology devices among people with ALS in Germany: a platform-case management approach. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2018**, 19, 342-350	3.6	20
101	Prion-like properties of disease-relevant proteins in amyotrophic lateral sclerosis. *Journal of Neural Transmission*, **2018**, 125, 591-613	4.3	13
100	Impaired DNA damage response signaling by FUS-NLS mutations leads to neurodegeneration and FUS aggregate formation. *Nature Communications*, **2018**, 9, 335	17.4	139
99	Current state of knowledge in Chorea-Acanthocytosis as core Neuroacanthocytosis syndrome. *European Journal of Medical Genetics*, **2018**, 61, 699-705	2.6	34
98	CHCHD10 mutations p.R15L and p.G66V cause motoneuron disease by haploinsufficiency. *Human Molecular Genetics*, **2018**, 27, 706-715	5.6	21
97	To die or not to die SGK1-sensitive ORAI/STIM in cell survival. *Cell Calcium*, **2018**, 74, 29-34	4	16
96	Genotype-phenotype study in patients with valosin-containing protein mutations associated with multisystem proteinopathy. *Clinical Genetics*, **2018**, 93, 119-125	4	55
95	Defective mitochondrial and lysosomal trafficking in chorea-acanthocytosis is independent of Src-kinase signaling. *Molecular and Cellular Neurosciences*, **2018**, 92, 137-148	4.8	10
94	Impairment in Respiratory Function Contributes to Olfactory Impairment in Amyotrophic Lateral Sclerosis. *Frontiers in Neurology*, **2018**, 9, 79	4.1	8
93	Therapeutic decisions in ALS patients: cross-cultural differences and clinical implications. *Journal of Neurology*, **2018**, 265, 1600-1606	5.5	27
92	Safety and efficacy of rasagiline as an add-on therapy to riluzole in patients with amyotrophic lateral sclerosis: a randomised, double-blind, parallel-group, placebo-controlled, phase 2 trial. *Lancet Neurology, The*, **2018**, 17, 681-688	24.1	30
91	High content organelle trafficking enables disease state profiling as powerful tool for disease modelling. *Scientific Data*, **2018**, 5, 180241	8.2	13
90	Usability of eyetracking computer systems and impact on psychological wellbeing in patients with advanced amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2018**, 19, 212-219	3.6	14
89	Practically applicable nerve ultrasound models for the diagnosis of axonal and demyelinating hereditary motor and sensory neuropathies (HMSN). *Journal of Neurology*, **2018**, 265, 165-177	5.5	4
88	Axonal Transport, Phase-Separated Compartments, and Neuron Mechanics - A New Approach to Investigate Neurodegenerative Diseases. *Frontiers in Cellular Neuroscience*, **2018**, 12, 358	6.1	9
87	Communication Matters-Pitfalls and Promise of Hightech Communication Devices in Palliative Care of Severely Physically Disabled Patients With Amyotrophic Lateral Sclerosis. *Frontiers in Neurology*, **2018**, 9, 603	4.1	20

86	MAPT mutation associated with frontotemporal dementia and parkinsonism (FTDP-17). *International Psychogeriatrics*, **2017**, 29, 869-871	3.4	1
85	Eye-tracking-based assessment suggests preserved well-being in locked-in patients. *Annals of Neurology*, **2017**, 81, 310-315	9.4	29
84	Antibodies inhibit transmission and aggregation of poly-GA dipeptide repeat proteins. *EMBO Molecular Medicine*, **2017**, 9, 687-702	12	48
83	Drug-induced endovesiculation of erythrocytes is modulated by the dynamics in the cytoskeleton/membrane interaction. *Blood Cells, Molecules, and Diseases*, **2017**, 64, 15-22	2.1	5
82	Lithium Sensitivity of Store Operated Ca2+ Entry and Survival of Fibroblasts Isolated from Chorea-Acanthocytosis Patients. *Cellular Physiology and Biochemistry*, **2017**, 42, 2066-2077	3.9	17
81	Reply to "Converse well-being of locked-in patients and caregivers". *Annals of Neurology*, **2017**, 82, 491-493	9.4	1
80	Neurons, Erythrocytes and Beyond -The Diverse Functions of Chorein. *NeuroSignals*, **2017**, 25, 117-126	1.9	13
79	The concept and diagnostic criteria of primary lateral sclerosis. *Acta Neurologica Scandinavica*, **2017**, 136, 204-211	3.8	27
78	The TGF-β System As a Potential Pathogenic Player in Disease Modulation of Amyotrophic Lateral Sclerosis. *Frontiers in Neurology*, **2017**, 8, 669	4.1	30
77	Early Postnatal but Not Late Adult Neurogenesis Is Impaired in the Pitx3-Mutant Animal Model of Parkinson's Disease. *Frontiers in Neuroscience*, **2017**, 11, 471	5.1	11
76	Eighth International Chorea-Acanthocytosis Symposium: Summary of Workshop Discussion and Action Points. *Tremor and Other Hyperkinetic Movements*, **2017**, 7, 428	2	
75	A Case of Beta-propeller Protein-associated Neurodegeneration due to a Heterozygous Deletion of. *Tremor and Other Hyperkinetic Movements*, **2017**, 7, 465	2	3
74	Neuroacanthocytosis Syndromes **2017**, 439-442		
73	Nerve ultrasound in the differentiation of multifocal motor neuropathy (MMN) and amyotrophic lateral sclerosis with predominant lower motor neuron disease (ALS/LMND). *Journal of Neurology*, **2016**, 263, 35-44	5.5	41
72	Neuronal Dysfunction in iPSC-Derived Medium Spiny Neurons from Chorea-Acanthocytosis Patients Is Reversed by Src Kinase Inhibition and F-Actin Stabilization. *Journal of Neuroscience*, **2016**, 36, 12027-12043	6.6	32
71	Reduced intraepidermal nerve fiber density in patients with REM sleep behavior disorder. *Parkinsonism and Related Disorders*, **2016**, 29, 10-6	3.6	24
70	Deep brain stimulation in the globus pallidus compensates response inhibition deficits: evidence from pantothenate kinase-associated neurodegeneration. *Brain Structure and Function*, **2016**, 221, 2251-7	4	6
69	Alterations in the hypothalamic melanocortin pathway in amyotrophic lateral sclerosis. *Brain*, **2016**, 139, 1106-22	11.2	56

68	Clinical features and differential diagnosis of flail arm syndrome. *Journal of Neurology*, **2016**, 263, 390-395	5.5	26
67	Factor-Reduced Human Induced Pluripotent Stem Cells Efficiently Differentiate into Neurons Independent of the Number of Reprogramming Factors. *Stem Cells International*, **2016**, 2016, 4736159	5	4
66	FUS Mislocalization and Vulnerability to DNA Damage in ALS Patients Derived hiPSCs and Aging Motoneurons. *Frontiers in Cellular Neuroscience*, **2016**, 10, 290	6.1	44
65	Non-Motor Symptoms in Patients Suffering from Motor Neuron Diseases. *Frontiers in Neurology*, **2016**, 7, 117	4.1	25
64	4-Aminopyridine Induced Activity Rescues Hypoexcitable Motor Neurons from Amyotrophic Lateral Sclerosis Patient-Derived Induced Pluripotent Stem Cells. *Stem Cells*, **2016**, 34, 1563-75	5.8	65
63	A new molecular link between defective autophagy and erythroid abnormalities in chorea-acanthocytosis. *Blood*, **2016**, 128, 2976-2987	2.2	36
62	Reduced hnRNPA3 increases C9orf72 repeat RNA levels and dipeptide-repeat protein deposition. *EMBO Reports*, **2016**, 17, 1314-25	6.5	29
61	C9ORF72 interaction with cofilin modulates actin dynamics in motor neurons. *Nature Neuroscience*, **2016**, 19, 1610-1618	25.5	87
60	Neurotropic growth factors and glycosaminoglycan based matrices to induce dopaminergic tissue formation. *Biomaterials*, **2015**, 67, 205-13	15.6	11
59	Human TDP-43 and FUS selectively affect motor neuron maturation and survival in a murine cell model of ALS by non-cell-autonomous mechanisms. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2015**, 16, 431-41	3.6	17
58	The diagnostic value of midbrain hyperechogenicity in ALS is limited for discriminating key ALS differential diagnoses. *BMC Neurology*, **2015**, 15, 33	3.1	5
57	Stepwise acquirement of hallmark neuropathology in FUS-ALS iPSC models depends on mutation type and neuronal aging. *Neurobiology of Disease*, **2015**, 82, 420-429	7.5	40
56	Perivascular Mesenchymal Stem Cells From the Adult Human Brain Harbor No Instrinsic Neuroectodermal but High Mesodermal Differentiation Potential. *Stem Cells Translational Medicine* , **2015**, 4, 1223-33	6.9	16
55	Neural stem cell culture model for LRRK2 function determines regulation of dopaminergic and microtubule-associated genes. *Basal Ganglia*, **2015**, 5, 71-76		
54	Chorein Sensitive Arrangement of Cytoskeletal Architecture. *Cellular Physiology and Biochemistry*, **2015**, 37, 399-408	3.9	24
53	Diagnosis and treatment of chorea syndromes. *Current Neurology and Neuroscience Reports*, **2015**, 15, 514	6.6	56
52	Direct conversion of mouse fibroblasts into induced neural stem cells. *Nature Protocols*, **2014**, 9, 871-81	18.8	63
51	Human iPSC models of neuronal ceroid lipofuscinosis capture distinct effects of TPP1 and CLN3 mutations on the endocytic pathway. *Human Molecular Genetics*, **2014**, 23, 2005-22	5.6	95

50	Human adult white matter progenitor cells are multipotent neuroprogenitors similar to adult hippocampal progenitors. *Stem Cells Translational Medicine*, **2014**, 3, 458-69	6.9	18
49	Communicating hydrocephalus following eosinophilic meningitis is pathogenic for chronic Viliuisk encephalomyelitis in Northeastern Siberia. *PLoS ONE*, **2014**, 9, e84670	3.7	6
48	Width of 3(rd) ventricle determined by brain stem sonography does not distinguish bulbar motor syndromes. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2014**, 15, 618-20	3.6	1
47	Chorea-Acanthocytosis **2014**, 31-55		1
46	Hemiplegic migraine with reversible cerebral vasoconstriction caused by ATP1A2 mutations. *Journal of Neurology*, **2013**, 260, 2172-4	5.5	6
45	Parkinson's disease-like midbrain hyperechogenicity is frequent in amyotrophic lateral sclerosis. *Journal of Neurology*, **2013**, 260, 454-7	5.5	18
44	Chorein sensitivity of cytoskeletal organization and degranulation of platelets. *FASEB Journal*, **2013** , 27, 2799-806	0.9	38
43	Lack of vascular endothelial growth factor receptor-2/Flk1 signaling does not affect substantia nigra development. *Neuroscience Letters*, **2013**, 553, 142-7	3.3	3
42	Induced neural stem cells (iNSCs) in neurodegenerative diseases. *Journal of Neural Transmission*, **2013**, 120 Suppl 1, S19-25	4.3	22
41	Alterations of red cell membrane properties in neuroacanthocytosis. *PLoS ONE*, **2013**, 8, e76715	3.7	16
40	Oligodendrocytes enforce immune tolerance of the uninfected brain by purging the peripheral repertoire of autoreactive CD8+ T cells. *Immunity*, **2012**, 37, 134-46	32.3	24
39	Direct reprogramming of fibroblasts into neural stem cells by defined factors. *Cell Stem Cell*, **2012**, 10, 465-72	18	441
38	Physical activity and environmental enrichment regulate the generation of neural precursors in the adult mouse substantia nigra in a dopamine-dependent manner. *BMC Neuroscience*, **2012**, 13, 132	3.2	33
37	Reduced LRRK2-positive neurons in the striatum of Parkinson disease patients hypothesize a retrograde disease mechanism?. *Basal Ganglia*, **2012**, 2, 67-72		2
36	A randomized, double blind, placebo-controlled trial of pioglitazone in combination with riluzole in amyotrophic lateral sclerosis. *PLoS ONE*, **2012**, 7, e37885	3.7	106
35	Differentiation efficiency of induced pluripotent stem cells depends on the number of reprogramming factors. *Stem Cells*, **2012**, 30, 570-9	5.8	40
34	Chorein-sensitive polymerization of cortical actin and suicidal cell death in chorea-acanthocytosis. *FASEB Journal*, **2012**, 26, 1526-34	0.9	60
33	Differentiation of chromaffin progenitor cells to dopaminergic neurons. *Cell Transplantation*, **2012**, 21, 2471-86	4	18

32	Vocal cord paralysis and rapid progressive motor neuron disease by the I113F mutation in SOD1 gene. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2011**, 12, 382-4		5
31	Proton MR spectroscopy of neural stem cells: does the proton-NMR peak at 1.28 ppm function as a biomarker for cell type or state?. *Rejuvenation Research*, **2011**, 14, 371-81	2.6	18
30	Transcriptional profiles of CD133+ and CD133- glioblastoma-derived cancer stem cell lines suggest different cells of origin. *Cancer Research*, **2010**, 70, 2030-40	10.1	209
29	Painful paraplegia caused by spontaneous abdominal compartment syndrome. *Neurology*, **2010**, 74, 1837	6.5	4
28	Directed growth of adult human white matter stem cell-derived neurons on aligned fibrillar collagen. *Tissue Engineering - Part A*, **2010**, 16, 1103-13	3.9	42
27	Restorative approaches in Parkinson's Disease: which cell type wins the race?. *Journal of the Neurological Sciences*, **2010**, 289, 93-103	3.2	51
26	Age-dependent neuroectodermal differentiation capacity of human mesenchymal stromal cells: limitations for autologous cell replacement strategies. *Cytotherapy*, **2010**, 12, 17-30	4.8	49
25	New regulator for energy signaling pathway in plants highlights conservation among species. *Science Signaling*, **2010**, 3, jc5	8.8	4
24	"Silenced" polydendrocytes: a new cell type within the oligodendrocyte progenitor cell population?. *Cell and Tissue Research*, **2010**, 340, 45-50	4.2	7
23	Cerebrospinal fluid promotes survival and astroglial differentiation of adult human neural progenitor cells but inhibits proliferation and neuronal differentiation. *BMC Neuroscience*, **2010**, 11, 48	3.2	35
22	Genome-wide expression profiling and functional network analysis upon neuroectodermal conversion of human mesenchymal stem cells suggest HIF-1 and miR-124a as important regulators. *Experimental Cell Research*, **2010**, 316, 2760-78	4.2	20
21	Initiation of dopaminergic differentiation of Nurr1(-) mesencephalic precursor cells depends on activation of multiple mitogen-activated protein kinase pathways. *Stem Cells*, **2009**, 27, 2009-21	5.8	15
20	Isolation of neural crest derived chromaffin progenitors from adult adrenal medulla. *Stem Cells*, **2009**, 27, 2602-13	5.8	47
19	Rostro-caudal gradual loss of cellular diversity within the periventricular regions of the ventricular system. *Stem Cells*, **2009**, 27, 928-41	5.8	37
18	A star-PEG-heparin hydrogel platform to aid cell replacement therapies for neurodegenerative diseases. *Biomaterials*, **2009**, 30, 5049-60	15.6	254
17	Combined anti-platelet therapy with aspirin and clopidogrel: risk factor for thrombolysis-related intracerebral hemorrhage in acute ischemic stroke?. *Journal of the Neurological Sciences*, **2009**, 284, 155-7	3.2	16
16	Stage-dependent vulnerability of fetal mesencephalic neuroprogenitors towards dopaminergic neurotoxins. *NeuroToxicology*, **2008**, 29, 714-21	4.4	4
15	Rapid and label-free classification of human glioma cells by infrared spectroscopic imaging. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2008**, 73A, 1158-64	4.6	18

14	Transcription profiling of adult and fetal human neuroprogenitors identifies divergent paths to maintain the neuroprogenitor cell state. *Stem Cells*, **2007**, 25, 1231-40	5.8	51
13	Intrathecal application of neuroectodermally converted stem cells into a mouse model of ALS: limited intraparenchymal migration and survival narrows therapeutic effects. *Journal of Neural Transmission*, **2007**, 114, 1395-406	4.3	93
12	Stammzelltherapie neurologischer Erkrankungen. *Aktuelle Neurologie*, **2007**, 34, 85-93		
11	Comparative analysis of neuroectodermal differentiation capacity of human bone marrow stromal cells using various conversion protocols. *Journal of Neuroscience Research*, **2006**, 83, 1502-14	4.4	106
10	Epigenetic conversion of human adult bone mesodermal stromal cells into neuroectodermal cell types for replacement therapy of neurodegenerative disorders. *Expert Opinion on Biological Therapy*, **2006**, 6, 653-70	5.4	35
9	Mesodermal cell types induce neurogenesis from adult human hippocampal progenitor cells. *Journal of Neurochemistry*, **2006**, 98, 629-40	6	57
8	Multipotent neural stem cells from the adult tegmentum with dopaminergic potential develop essential properties of functional neurons. *Stem Cells*, **2006**, 24, 949-64	5.8	71
7	Neurorestoration in Parkinson's disease by cell replacement and endogenous regeneration. *Expert Opinion on Biological Therapy*, **2004**, 4, 131-43	5.4	27
6	Efficient generation of neural stem cell-like cells from adult human bone marrow stromal cells. *Journal of Cell Science*, **2004**, 117, 4411-22	5.3	366
5	High content live profiling reveals concomitant gain and loss of function pathomechanisms in C9ORF72 amyotrophic lateral sclerosis		1
4	Combined fluorescence, optical diffraction tomography and Brillouin microscopy		3
3	Small molecules for modulating protein driven liquid-liquid phase separation in treating neurodegenerative disease		30
2	Targeting Lyn Kinase in Chorea-Acanthocytosis: A Translational Treatment Approach in an Ultra-Rare Disease		1
1	Co-condensation of proteins with single- and double-stranded DNA		1