Giovanni Coppola

List of Publications by Year
in descending order

241 papers	25,070 citations	9786 73 h-index	8866 145 g-index
261 all docs	261 docs citations	261 times ranked	34103 citing authors

#	Article	IF	Citations
1	Expanded GGGGCC Hexanucleotide Repeat in Noncoding Region of C9ORF72 Causes Chromosome 9p-Linked FTD and ALS. Neuron, 2011, 72, 245-256.	8.1	4,176
2	Astrocyte scar formation aids central nervous system axon regeneration. Nature, 2016, 532, 195-200.	27.8	1,390
3	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	21.4	594
4	Progranulin Deficiency Promotes Circuit-Specific Synaptic Pruning by Microglia via Complement Activation. Cell, 2016, 165, 921-935.	28.9	558
5	Neural Circuit-Specialized Astrocytes: Transcriptomic, Proteomic, Morphological, and Functional Evidence. Neuron, 2017, 95, 531-549.e9.	8.1	556
6	Functional and Evolutionary Insights into Human Brain Development through Global Transcriptome Analysis. Neuron, 2009, 62, 494-509.	8.1	555
7	Exome sequencing and analysis of 454,787 UK Biobank participants. Nature, 2021, 599, 628-634.	27.8	377
8	Incidence and impact of subclinical epileptiform activity in Alzheimer's disease. Annals of Neurology, 2016, 80, 858-870.	5.3	373
9	Exome sequencing and characterization of 49,960 individuals in the UK Biobank. Nature, 2020, 586, 749-756.	27.8	369
10	Integrated genomics and proteomics define huntingtin CAG lengthâ€“dependent networks in mice. Nature Neuroscience, 2016, 19, 623-633.	14.8	342
11	Required growth facilitators propel axon regeneration across complete spinal cord injury. Nature, 2018, 561, 396-400.	27.8	341
12	A Systems-Level Analysis of the Peripheral Nerve Intrinsic Axonal Growth Program. Neuron, 2016, 89, 956-970.	8.1	314
13	Self-Organized Cerebral Organoids with Human-Specific Features Predict Effective Drugs to Combat Zika Virus Infection. Cell Reports, 2017, 21, 517-532.	6.4	305
14	An age-related sprouting transcriptome provides molecular control of axonal sprouting after stroke. Nature Neuroscience, 2010, 13, 1496-1504.	14.8	291
15	New Transgenic Mouse Lines for Selectively Targeting Astrocytes and Studying Calcium Signals in Astrocyte Processes In Situ and InÂVivo. Neuron, 2016, 92, 1181-1195.	8.1	283
16	Mutations in the gene encoding PDGF-B cause brain calcifications in humans and mice. Nature Genetics, 2013, 45, 1077-1082.	21.4	273
17	Network Organization of the Huntingtin Proteomic Interactome in Mammalian Brain. Neuron, 2012, 75, 41-57.	8.1	262
18	Elevated TREM2 Gene Dosage Reprograms Microglia Responsivity and Ameliorates Pathological Phenotypes in Alzheimerâ€™s Disease Models. Neuron, 2018, 97, 1032-1048.e5.	8.1	246

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19	Life Extension Factor Klotho Enhances Cognition. Cell Reports, 2014, 7, 1065-1076.	6.4	243
20	Interrogating the Genetic Determinants of Touretteâ€™s Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. American Journal of Psychiatry, 2019, 176, 217-227.	7.2	242
21	Mutations in XPR1 cause primary familial brain calcification associated with altered phosphate export. Nature Genetics, 2015, 47, 579-581.	21.4	237
22	Reducing Astrocyte Calcium Signaling InÂVivo Alters Striatal Microcircuits and Causes Repetitive Behavior. Neuron, 2018, 99, 1170-1187.e9.	8.1	234
23	Advancing human genetics research and drug discovery through exome sequencing of the UK Biobank. Nature Genetics, 2021, 53, 942-948.	21.4	234
24	Hyperactivity with Disrupted Attention by Activation of an Astrocyte Synaptogenic Cue. Cell, 2019, 177, 1280-1292.e20.	28.9	228
25	Clinicopathological correlations in behavioural variant frontotemporal dementia. Brain, 2017, 140, 3329-3345.	7.6	226
26	ATF4 is an oxidative stressâ€“inducible, prodeath transcription factor in neurons in vitro and in vivo. Journal of Experimental Medicine, 2008, 205, 1227-1242.	8.5	219
27	Cerebrospinal fluid neurofilament concentration reflects disease severity in frontotemporal degeneration. Annals of Neurology, 2014, 75, 116-126.	5.3	213
28	SIRT1 Deficiency in Microglia Contributes to Cognitive Decline in Aging and Neurodegeneration via Epigenetic Regulation of IL-1Î². Journal of Neuroscience, 2015, 35, 807-818.	3.6	212
29	Phenotypic variability associated with progranulin haploinsufficiency in patients with the common 1477Câ†’T (Arg493X) mutation: an international initiative. Lancet Neurology, The, 2007, 6, 857-868.	10.2	199
30	Evidence for a role of the rare p.A152T variant in MAPT in increasing the risk for FTD-spectrum and Alzheimer's diseases. Human Molecular Genetics, 2012, 21, 3500-3512.	2.9	198
31	Nâ€acetylcysteine targets 5 lipoxygenaseâ€derived, toxic lipids and can synergize with prostaglandin E₂ to inhibit ferroptosis and improve outcomes following hemorrhagic stroke in mice. Annals of Neurology, 2018, 84, 854-872.	5.3	195
32	HDAC Inhibitors Correct Frataxin Deficiency in a Friedreich Ataxia Mouse Model. PLoS ONE, 2008, 3, e1958.	2.5	193
33	Huntington's disease accelerates epigenetic aging of human brain and disrupts DNA methylation levels. Aging, 2016, 8, 1485-1512.	3.1	192
34	Frontotemporal dementia due to C9ORF72 mutations. Neurology, 2012, 79, 1002-1011.	1.1	183
35	Subcellular Knockout of Importin Î²1 Perturbs Axonal Retrograde Signaling. Neuron, 2012, 75, 294-305.	8.1	180
36	Inflammatory Mediators Alter the Astrocyte Transcriptome and Calcium Signaling Elicited by Multiple G-Protein-Coupled Receptors. Journal of Neuroscience, 2012, 32, 14489-14510.	3.6	178

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37	Tet3 regulates synaptic transmission and homeostatic plasticity via DNA oxidation and repair. Nature Neuroscience, 2015, 18, 836-843.	14.8	164
38	The Longitudinal Trajectory of Default Mode Network Connectivity in Healthy Older Adults Varies As a Function of Age and Is Associated with Changes in Episodic Memory and Processing Speed. Journal of Neuroscience, 2018, 38, 2809-2817.	3.6	161
39	Signaling to Transcription Networks in the Neuronal Retrograde Injury Response. Science Signaling, 2010, 3, ra53.	3.6	159
40	De Novo Coding Variants Are Strongly Associated with Tourette Disorder. Neuron, 2017, 94, 486-499.e9.	8.1	155
41	Injured adult neurons regress to an embryonic transcriptional growth state. Nature, 2020, 581, 77-82.	27.8	154
42	Astrocyte molecular signatures in Huntingtonâ€™s disease. Science Translational Medicine, 2019, 11, .	12.4	152
43	Sox11 Expression Promotes Regeneration of Some Retinal Ganglion Cell Types but Kills Others. Neuron, 2017, 94, 1112-1120.e4.	8.1	151
44	GDF10 is a signal for axonal sprouting and functional recovery after stroke. Nature Neuroscience, 2015, 18, 1737-1745.	14.8	144
45	Mechanistic Differences in Neuropathic Pain Modalities Revealed by Correlating Behavior with Global Expression Profiling. Cell Reports, 2018, 22, 1301-1312.	6.4	142
46	Mitochondrial Dysfunction and Immune Activation are Detectable in Early Alzheimer's Disease Blood. Journal of Alzheimer's Disease, 2012, 30, 685-710.	2.6	141
47	Altered network connectivity in frontotemporal dementia with C9orf72 hexanucleotide repeat expansion. Brain, 2014, 137, 3047-3060.	7.6	140
48	Suberoylanilide Hydroxamic Acid (Vorinostat) Up-regulates Progranulin Transcription. Journal of Biological Chemistry, 2011, 286, 16101-16108.	3.4	138
49	Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. Neuron, 2017, 94, 1101-1111.e7.	8.1	137
50	Timing and significance of pathological features inC9orf72expansion-associated frontotemporal dementia. Brain, 2016, 139, 3202-3216.	7.6	136
51	Generation and post-injury integration of human spinal cord neural stem cells. Nature Methods, 2018, 15, 723-731.	19.0	132
52	Mutations in SLC20A2 are a major cause of familial idiopathic basal ganglia calcification. Neurogenetics, 2013, 14, 11-22.	1.4	131
53	Sequencing of 640,000 exomes identifies GPR75 variants associated with protection from obesity. Science, 2021, 373, .	12.6	130
54	Tauopathy with paired helical filaments in an aged chimpanzee. Journal of Comparative Neurology, 2008, 509, 259-270.	1.6	129

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55	Network degeneration and dysfunction in presymptomatic C9ORF72 expansion carriers. NeuroImage: Clinical, 2017, 14, 286-297.	2.7	129
56	18F-flortaucipir (AV-1451) tau PET in frontotemporal dementia syndromes. Alzheimer's Research and Therapy, 2019, 11, 13.	6.2	121
57	Differential effects of partial and complete loss of TREM2 on microglial injury response and tauopathy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10172-10177.	7.1	118
58	Genomic Analysis Reveals Disruption of Striatal Neuronal Development and Therapeutic Targets in Human Huntingtonâ€™s Disease Neural Stem Cells. Stem Cell Reports, 2015, 5, 1023-1038.	4.8	117
59	Distinct Subtypes of Behavioral Variant Frontotemporal Dementia Based on Patterns of Network Degeneration. JAMA Neurology, 2016, 73, 1078.	9.0	115
60	Progranulin Mutations as Risk Factors for Alzheimer Disease. JAMA Neurology, 2013, 70, 774.	9.0	114
61	Tau interactome maps synaptic and mitochondrial processes associated with neurodegeneration. Cell, 2022, 185, 712-728.e14.	28.9	114
62	Functional genomic analysis of frataxin deficiency reveals tissue-specific alterations and identifies the PPARÎ³ pathway as a therapeutic target in Friedreichâ€™s ataxia. Human Molecular Genetics, 2009, 18, 2452-2461.	2.9	109
63	Ancient hybridization and strong adaptation to viruses across African vervet monkey populations. Nature Genetics, 2017, 49, 1705-1713.	21.4	107
64	Therapeutic targeting of oxygen-sensing prolyl hydroxylases abrogates ATF4-dependent neuronal death and improves outcomes after brain hemorrhage in several rodent models. Science Translational Medicine, 2016, 8, 328ra29.	12.4	106
65	Divergent CSF Â alterations in two common tauopathies: Alzheimer's disease and progressive supranuclear palsy. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 244-250.	1.9	101
66	Increased CYFIP1 dosage alters cellular and dendritic morphology and dysregulates mTOR. Molecular Psychiatry, 2015, 20, 1069-1078.	7.9	98
67	Genome-wide analysis provides genetic evidence that ACE2 influences COVID-19 risk and yields risk scores associated with severe disease. Nature Genetics, 2022, 54, 382-392.	21.4	97
68	CREB controls cortical circuit plasticity and functional recovery after stroke. Nature Communications, 2018, 9, 2250.	12.8	96
69	Microarray and Pathway Analysis Reveal Distinct Mechanisms Underlying Cannabinoid-Mediated Modulation of LPS-Induced Activation of BV-2 Microglial Cells. PLoS ONE, 2013, 8, e61462.	2.5	94
70	Inosine Alters Gene Expression and Axonal Projections in Neurons Contralateral to a Cortical Infarct and Improves Skilled Use of the Impaired Limb. Journal of Neuroscience, 2009, 29, 8187-8197.	3.6	93
71	Human iPSC-Derived Neuronal Model of Tau-A152T Frontotemporal Dementia Reveals Tau-Mediated Mechanisms of Neuronal Vulnerability. Stem Cell Reports, 2016, 7, 325-340.	4.8	92
72	Gene expression study on peripheral blood identifies progranulin mutations. Annals of Neurology, 2008, 64, 92-96.	5.3	91

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73	De Novo Sequence and Copy Number Variants Are Strongly Associated with Tourette Disorder and Implicate Cell Polarity in Pathogenesis. Cell Reports, 2018, 24, 3441-3454.e12.	6.4	91
74	Robust Axonal Regeneration Occurs in the Injured CAST/Ei Mouse CNS. Neuron, 2015, 86, 1215-1227.	8.1	87
75	Neurons selectively targeted in frontotemporal dementia reveal early stage TDP-43 pathobiology. Acta Neuropathologica, 2019, 137, 27-46.	7.7	87
76	Patient-Tailored, Connectivity-Based Forecasts of Spreading Brain Atrophy. Neuron, 2019, 104, 856-868.e5.	8.1	85
77	C9ORF72 repeat expansions in cases with previously identified pathogenic mutations. Neurology, 2013, 81, 1332-1341.	1.1	84
78	A152T tau allele causes neurodegeneration that can be ameliorated in a zebrafish model by autophagy induction. Brain, 2017, 140, 1128-1146.	7.6	84
79	Plasma Tau and Neurofilament Light in Frontotemporal Lobar Degeneration and Alzheimer Disease. Neurology, 2021, 96, e671-e683.	1.1	84
80	Large-scale assessment of the gliomasphere model system. Neuro-Oncology, 2016, 18, 1367-1378.	1.2	82
81	Utility of the global CDR^{Â®} plus NACC FTLD rating and development of scoring rules: Data from the ARTFL/LEFFTDS Consortium. Alzheimer's and Dementia, 2020, 16, 106-117.	0.8	81
82	Update and Mutational Analysis ofSLC20A2: A Major Cause of Primary Familial Brain Calcification. Human Mutation, 2015, 36, 489-495.	2.5	80
83	Increased prevalence of autoimmune disease within C9 and FTD/MND cohorts. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e301.	6.0	78
84	Joint genome-wide association study of progressive supranuclear palsy identifies novel susceptibility loci and genetic correlation to neurodegenerative diseases. Molecular Neurodegeneration, 2018, 13, 41.	10.8	77
85	Brain calcification process and phenotypes according to age and sex: Lessons from SLC20A2, PDGFB, and PDGFRB mutation carriers. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2015, 168, 586-594.	1.7	74
86	Context-Specific Striatal Astrocyte Molecular Responses Are Phenotypically Exploitable. Neuron, 2020, 108, 1146-1162.e10.	8.1	73
87	Loss of functional connectivity is greater outside the default mode network in nonfamilial early-onset Alzheimer's disease variants. Neurobiology of Aging, 2015, 36, 2678-2686.	3.1	72
88	Neuropathology of Autosomal Dominant Alzheimer Disease in the National Alzheimer Coordinating Center Database. Journal of Neuropathology and Experimental Neurology, 2016, 75, 284-290.	1.7	71
89	Timing of Smarcb1 and Nf2 inactivation determines schwannoma versus rhabdoid tumor development. Nature Communications, 2017, 8, 300.	12.8	70
90	Fine-mapping of the human leukocyte antigen locus as a risk factor for Alzheimer disease: A caseâ€“control study. PLoS Medicine, 2017, 14, e1002272.	8.4	67

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91	N17 Modifies Mutant Huntingtin Nuclear Pathogenesis and Severity of Disease in HD BAC Transgenic Mice. Neuron, 2015, 85, 726-741.	8.1	66
92	The effect of the serotonin transporter polymorphism (5-HTTLPR) on empathic and self-conscious emotional reactivity.. Emotion, 2013, 13, 25-35.	1.8	65
93	An Epigenetic Signature in Peripheral Blood Associated with the Haplotype on 17q21.31, a Risk Factor for Neurodegenerative Tauopathy. PLoS Genetics, 2014, 10, e1004211.	3.5	65
94	Partial inhibition of the overactivated Ku80-dependent DNA repair pathway rescues neurodegeneration in C9ORF72 -ALS/FTD. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9628-9633.	7.1	64
95	Novel Roles for Osteopontin and Clusterin in Peripheral Motor and Sensory Axon Regeneration. Journal of Neuroscience, 2014, 34, 1689-1700.	3.6	61
96	The choroid plexus transcriptome reveals changes in type I and II interferon responses in a mouse model of Alzheimerâ€™s disease. Brain, Behavior, and Immunity, 2015, 49, 280-292.	4.1	60
97	Pathways and gene networks mediating the regulatory effects of cannabidiol, a nonpsychoactive cannabinoid, in autoimmune T cells. Journal of Neuroinflammation, 2016, 13, 136.	7.2	59
98	A gene expression phenotype in lymphocytes from friedreich ataxia patients. Annals of Neurology, 2011, 70, 790-804.	5.3	58
99	Genetic variation and gene expression across multiple tissues and developmental stages in a nonhuman primate. Nature Genetics, 2017, 49, 1714-1721.	21.4	57
100	Whole-genome sequencing suggests a chemokine gene cluster that modifies age at onset in familial Alzheimer's disease. Molecular Psychiatry, 2015, 20, 1294-1300.	7.9	55
101	Metabolic characterization of isocitrate dehydrogenase (IDH) mutant and IDH wildtype gliomaspheres uncovers cell type-specific vulnerabilities. Cancer & Metabolism, 2018, 6, 4.	5.0	55
102	AD-linked R47H- TREM2 mutation induces disease-enhancing microglial states via AKT hyperactivation. Science Translational Medicine, 2021, 13, eabe3947.	12.4	55
103	Differential regulation of type III secretion and virulence genes in Bordetella pertussis and Bordetella bronchiseptica by a secreted anti-Ïƒ factor. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2341-2348.	7.1	54
104	A Rare Mutation of Î²1-Adrenergic Receptor Affects Sleep/Wake Behaviors. Neuron, 2019, 103, 1044-1055.e7.	8.1	54
105	Molecular and functional properties of cortical astrocytes during peripherally induced neuroinflammation. Cell Reports, 2021, 36, 109508.	6.4	54
106	DNA Methylation Analysis Validates Organoids as a Viable Model for Studying Human Intestinal Aging. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 527-541.	4.5	53
107	Plasma Neurofilament Light for Prediction of Disease Progression in Familial Frontotemporal Lobar Degeneration. Neurology, 2021, 96, e2296-e2312.	1.1	52
108	Gene expression profiling in frataxin deficient mice: Microarray evidence for significant expression changes without detectable neurodegeneration. Neurobiology of Disease, 2006, 22, 302-311.	4.4	50

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109	Mapping Gene Expression in Excitatory Neurons during Hippocampal Late-Phase Long-Term Potentiation. Frontiers in Molecular Neuroscience, 2017, 10, 39.	2.9	49
110	Activation of the HIF1Î±/PFKFB3 stress response pathway in beta cells in type 1 diabetes. Diabetologia, 2020, 63, 149-161.	6.3	49
111	Poly(GP), neurofilament and grey matter deficits in C9orf72 expansion carriers. Annals of Clinical and Translational Neurology, 2018, 5, 583-597.	3.7	48
112	Primary brain calcification: an international study reporting novel variants and associated phenotypes. European Journal of Human Genetics, 2018, 26, 1462-1477.	2.8	48
113	Regional brain volume differences in symptomatic and presymptomatic carriers of familial Alzheimer's disease mutations. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 154-162.	1.9	47
114	Specific and behaviorally consequential astrocyte Gq GPCR signaling attenuation inÂvivo with iÎ²ARK. Neuron, 2021, 109, 2256-2274.e9.	8.1	47
115	Rare TREM2 variants associated with Alzheimerâ€™s disease display reduced cell surface expression. Acta Neuropathologica Communications, 2016, 4, 98.	5.2	46
116	Synaptic and Gene Regulatory Mechanisms in Schizophrenia, Autism, and 22q11.2 Copy Number Variantâ€“Mediated Risk for Neuropsychiatric Disorders. Biological Psychiatry, 2020, 87, 150-163.	1.3	46
117	Neurodegenerative disease biomarkers AÎ²_{1â€“40}, AÎ²_{1â€“42}, tau, and pâ€tau₁₈₁ in the vervet monkey cerebrospinal fluid: RelationÂto normal aging, genetic influences, and cerebral amyloid angiopathy. Brain and Behavior, 2018, 8, e00903.	2.2	45
118	DNA methylation study of Huntingtonâ€™s disease and motor progression in patients and in animal models. Nature Communications, 2020, 11, 4529.	12.8	45
119	Mutation of senataxin alters disease-specific transcriptional networks in patients with ataxia with oculomotor apraxia type 2. Human Molecular Genetics, 2014, 23, 4758-4769.	2.9	43
120	Genetic screening of a large series of North American sporadic and familial frontotemporal dementia cases. Alzheimer's and Dementia, 2020, 16, 118-130.	0.8	43
121	Clinicopathological Study of Patients With C9ORF72-Associated Frontotemporal Dementia Presenting With Delusions. Journal of Geriatric Psychiatry and Neurology, 2015, 28, 99-107.	2.3	41
122	miRNA expression profiles and molecular networks in resting and LPS-activated BV-2 microgliaâ€”Effect of cannabinoids. PLoS ONE, 2019, 14, e0212039.	2.5	41
123	Transcriptome Profiling of Peripheral Blood in 22q11.2 Deletion Syndrome Reveals Functional Pathways Related to Psychosis and Autism Spectrum Disorder. PLoS ONE, 2015, 10, e0132542.	2.5	40
124	Common variants in ABCA7 and MS4A6A are associated with cortical and hippocampal atrophy. Neurobiology of Aging, 2016, 39, 82-89.	3.1	40
125	Decoding the Long Noncoding RNA During Cardiac Maturation. Circulation: Cardiovascular Genetics, 2016, 9, 395-407.	5.1	39
126	MicroRNA signatures of endogenous Huntingtin CAG repeat expansion in mice. PLoS ONE, 2018, 13, e0190550.	2.5	39

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127	A Novel Protocol for Directed Differentiation of C9orf72-Associated Human Induced Pluripotent Stem Cells Into Contractile Skeletal Myotubes. Stem Cells Translational Medicine, 2016, 5, 1461-1472.	3.3	38
128	Activity-Dependent Regulation of Alternative Cleavage and Polyadenylation During Hippocampal Long-Term Potentiation. Scientific Reports, 2017, 7, 17377.	3.3	38
129	Individualized atrophy scores predict dementia onset in familial frontotemporal lobar degeneration. Alzheimer's and Dementia, 2020, 16, 37-48.	0.8	38
130	A Multiancestral Genome-Wide Exome Array Study of Alzheimer Disease, Frontotemporal Dementia, and Progressive Supranuclear Palsy. JAMA Neurology, 2015, 72, 414.	9.0	37
131	Cannabidiol, a non-psychoactive cannabinoid, leads to EGR2-dependent anergy in activated encephalitogenic T cells. Journal of Neuroinflammation, 2015, 12, 52.	7.2	37
132	Peripheral blood gene expression reveals an inflammatory transcriptomic signature in Friedreichâ€™s ataxia patients. Human Molecular Genetics, 2018, 27, 2965-2977.	2.9	36
133	A new model to study neurodegeneration in ataxia oculomotor apraxia type 2. Human Molecular Genetics, 2015, 24, 5759-5774.	2.9	34
134	Preferential tau aggregation in von Economo neurons and fork cells in frontotemporal lobar degeneration with specific MAPT variants. Acta Neuropathologica Communications, 2019, 7, 159.	5.2	34
135	Genome-wide association study identifies MAPT locus influencing human plasma tau levels. Neurology, 2017, 88, 669-676.	1.1	33
136	hnRNPs Interacting with mRNA Localization Motifs Define AxoNAl RNA Regulons. Molecular and Cellular Proteomics, 2018, 17, 2091-2106.	3.8	32
137	Assessment of executive function declines in presymptomatic and mildly symptomatic familial frontotemporal dementia: NIHâ€EXAMINER as a potential clinical trial endpoint. Alzheimer's and Dementia, 2020, 16, 11-21.	0.8	32
138	The longitudinal evaluation of familial frontotemporal dementia subjects protocol: Framework and methodology. Alzheimer's and Dementia, 2020, 16, 22-36.	0.8	32
139	Synaptic processes and immune-related pathways implicated in Tourette syndrome. Translational Psychiatry, 2021, 11, 56.	4.8	31
140	Cardiac Dysfunction in the BACHD Mouse Model of Huntingtonâ€™s Disease. PLoS ONE, 2016, 11, e0147269.	2.5	30
141	Genetic screen in a large series of patients with primary progressive aphasia. Alzheimer's and Dementia, 2019, 15, 553-560.	0.8	30
142	Thalamo-cortical network hyperconnectivity in preclinical progranulin mutation carriers. NeuroImage: Clinical, 2019, 22, 101751.	2.7	30
143	Uninterrupted CAG repeat drives striatum-selective transcriptionopathy and nuclear pathogenesis in human Huntingtin BAC mice. Neuron, 2022, 110, 1173-1192.e7.	8.1	30
144	White Matter Stroke Induces a Unique Oligo-Astrocyte Niche That Inhibits Recovery. Journal of Neuroscience, 2019, 39, 9343-9359.	3.6	29

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145	Rare variants in the neuronal ceroid lipofuscinosis gene MFSD8 are candidate risk factors for frontotemporal dementia. Acta Neuropathologica, 2019, 137, 71-88.	7.7	29
146	Chronic administration of cholesterol oximes in mice increases transcription of cytoprotective genes and improves transcriptome alterations induced by alpha-synuclein overexpression in nigrostriatal dopaminergic neurons. Neurobiology of Disease, 2014, 69, 263-275.	4.4	28
147	Novel candidate bloodâ€based transcriptional biomarkers of machadoâ€joseph disease. Movement Disorders, 2015, 30, 968-975.	3.9	28
148	Adult rat myelin enhances axonal outgrowth from neural stem cells. Science Translational Medicine, 2018, 10, .	12.4	28
149	Transcriptional profiling of isogenic Friedreich ataxia neurons and effect of an HDAC inhibitor on disease signatures. Journal of Biological Chemistry, 2019, 294, 1846-1859.	3.4	28
150	Clinical and volumetric changes with increasing functional impairment in familial frontotemporal lobar degeneration. Alzheimer's and Dementia, 2020, 16, 49-59.	0.8	27
151	Comparison of sporadic and familial behavioral variant frontotemporal dementia (FTD) in a North American cohort. Alzheimer's and Dementia, 2020, 16, 60-70.	0.8	27
152	Enhanced Neuronal Regeneration in the CAST/Ei Mouse Strain Is Linked to Expression of Differentiation Markers after Injury. Cell Reports, 2017, 20, 1136-1147.	6.4	26
153	Translatome Regulation in Neuronal Injury and Axon Regrowth. ENeuro, 2018, 5, ENEURO.0276-17.2018.	1.9	26
154	Hydroxamic Acid-Based Histone Deacetylase (HDAC) Inhibitors Can Mediate Neuroprotection Independent of HDAC Inhibition. Journal of Neuroscience, 2014, 34, 14328-14337.	3.6	25
155	Decision tree analysis of genetic risk for clinically heterogeneous Alzheimerâ€™s disease. BMC Neurology, 2015, 15, 47.	1.8	25
156	Contribution of common and rare variants to bipolar disorder susceptibility in extended pedigrees from population isolates. Translational Psychiatry, 2020, 10, 74.	4.8	25
157	Gyrification abnormalities in presymptomatic c9orf72 expansion carriers. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 1005-1010.	1.9	24
158	Genomeâ€wide survey of copy number variants finds MAPT duplications in progressive supranuclear palsy. Movement Disorders, 2019, 34, 1049-1059.	3.9	24
159	Progranulin levels in blood in Alzheimer's disease and mild cognitive impairment. Annals of Clinical and Translational Neurology, 2018, 5, 616-629.	3.7	23
160	Age- and stress-associated C. elegans granulins impair lysosomal function and induce a compensatory HLH-30/TFEB transcriptional response. PLoS Genetics, 2019, 15, e1008295.	3.5	23
161	The glycine arginineâ€rich domain of the RNAâ€binding protein nucleolin regulates its subcellular localization. EMBO Journal, 2021, 40, e107158.	7.8	23
162	Revised Self-Monitoring Scale. Neurology, 2020, 94, e2384-e2395.	1.1	23

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163	Designing, Performing, and Interpreting a Microarray-Based Gene Expression Study. Methods in Molecular Biology, 2011, 793, 417-439.	0.9	22
164	First <scp>J</scp>apanese family with primary familial brain calcification due to a mutation in the <scp>PDGFB</scp> gene: An exome analysis study. Psychiatry and Clinical Neurosciences, 2015, 69, 77-83.	1.8	22
165	C9orf72 repeat expansions that cause frontotemporal dementia are detectable among patients with psychosis. Psychiatry Research, 2016, 235, 200-202.	3.3	22
166	A molecular cascade modulates MAP1B and confers resistance to mTOR inhibition in human glioblastoma. Neuro-Oncology, 2018, 20, 764-775.	1.2	22
167	A Ca2+-Dependent Switch Activates Axonal Casein Kinase 2Î± Translation and Drives G3BP1 Granule Disassembly for Axon Regeneration. Current Biology, 2020, 30, 4882-4895.e6.	3.9	22
168	Wnt11 regulates cardiac chamber development and disease during perinatal maturation. JCI Insight, 2017, 2, .	5.0	21
169	Brain volumetric deficits in MAPT mutation carriers: a multisite study. Annals of Clinical and Translational Neurology, 2021, 8, 95-110.	3.7	21
170	Comprehensive cross-sectional and longitudinal analyses of plasma neurofilament light across FTD spectrum disorders. Cell Reports Medicine, 2022, 3, 100607.	6.5	21
171	Transcriptomics and the mechanisms of antidepressant efficacy. European Neuropsychopharmacology, 2016, 26, 105-112.	0.7	19
172	IAPP-induced beta cell stress recapitulates the islet transcriptome in type 2 diabetes. Diabetologia, 2022, 65, 173-187.	6.3	19
173	Suberoylanilide hydroxamic acid increases progranulin production in iPSC-derived cortical neurons of frontotemporal dementia patients. Neurobiology of Aging, 2016, 42, 35-40.	3.1	18
174	Epigenetic clock and methylation studies in vervet monkeys. GeroScience, 2022, 44, 699-717.	4.6	18
175	Widespread white matter and conduction defects in PSEN1-related spastic paraparesis. Neurobiology of Aging, 2016, 47, 201-209.	3.1	17
176	Mixed TDP-43 proteinopathy and tauopathy in frontotemporal lobar degeneration: nine case series. Journal of Neurology, 2018, 265, 2960-2971.	3.6	17
177	ForestQC: Quality control on genetic variants from next-generation sequencing data using random forest. PLoS Computational Biology, 2019, 15, e1007556.	3.2	17
178	Forward Genetic Screen in Caenorhabditis elegans Suggests F57A10.2 and acp-4 As Suppressors of C9ORF72 Related Phenotypes. Frontiers in Molecular Neuroscience, 2016, 9, 113.	2.9	16
179	Frontotemporal dementia spectrum: first genetic screen in a Greek cohort. Neurobiology of Aging, 2019, 75, 224.e1-224.e8.	3.1	16
180	Selective axonal translation of the mRNA isoform encoding prenylated Cdc42 supports axon growth. Journal of Cell Science, 2021, 134, .	2.0	16

#	Article	IF	Citations
181	Topoisomerase I inhibition and peripheral nerve injury induce DNA breaks and ATF3-associated axon regeneration in sensory neurons. Cell Reports, 2021, 36, 109666.	6.4	16
182	Brain calcifications and PCDH12 variants. Neurology: Genetics, 2017, 3, e166.	1.9	15
183	Bioinformatics and genomic databases. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 147, 75-92.	1.8	15
184	Longitudinal RNA-Seq analysis of acute and chronic neurogenic skeletal muscle atrophy. Scientific Data, 2019, 6, 179.	5.3	15
185	DYNLRB1 is essential for dynein mediated transport and neuronal survival. Neurobiology of Disease, 2020, 140, 104816.	4.4	15
186	A Novel PSEN1 Mutation (I238M) associated with Early-Onset Alzheimer's Disease in an African-American Woman. Journal of Alzheimer's Disease, 2014, 40, 271-275.	2.6	14
187	Expanding the global prevalence of spinocerebellar ataxia type 42. Neurology: Genetics, 2018, 4, e232.	1.9	14
188	Tracking white matter degeneration in asymptomatic and symptomatic MAPT mutation carriers. Neurobiology of Aging, 2019, 83, 54-62.	3.1	14
189	Primary familial brain calcification caused by a novel homozygous MYORG mutation in a consanguineous Italian family. Neurogenetics, 2019, 20, 99-102.	1.4	14
190	Regeneration Enhances Metastasis: A Novel Role for Neurovascular Signaling in Promoting Melanoma Brain Metastasis. Frontiers in Neuroscience, 2019, 13, 297.	2.8	14
191	Association of Cognitive and Behavioral Features Between Adults With Tuberous Sclerosis and Frontotemporal Dementia. JAMA Neurology, 2020, 77, 358.	9.0	14
192	GADD45A is a protective modifier of neurogenic skeletal muscle atrophy. JCI Insight, 2021, 6, .	5.0	14
193	Genetic Prion Disease Caused by PRNP Q160X Mutation Presenting with an Orbitofrontal Syndrome, Cyclic Diarrhea, and Peripheral Neuropathy. Journal of Alzheimer's Disease, 2016, 55, 249-258.	2.6	13
194	Inhibition of Nucleotide Synthesis Targets Brain Tumor Stem Cells in a Subset of Glioblastoma. Molecular Cancer Therapeutics, 2016, 15, 1271-1278.	4.1	13
195	Apolipoprotein Îµ4 Is Associated with Lower Brain Volume in Cognitively Normal Chinese but Not White Older Adults. PLoS ONE, 2015, 10, e0118338.	2.5	12
196	Identification of an Efficient Gene Expression Panel for Glioblastoma Classification. PLoS ONE, 2016, 11, e0164649.	2.5	12
197	Amyloid in dementia associated with familial FTLD: not an innocent bystander. Neurocase, 2016, 22, 76-83.	0.6	12
198	Nonlinear Zâ€score modeling for improved detection of cognitive abnormality. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 797-808.	2.4	12

#	Article	IF	Citations
199	Cortical and subcortical pathological burden and neuronal loss in an autopsy series of FTLD-TDP-type C. Brain, 2022, 145, 1069-1078.	7.6	12
200	Population-scale analysis of common and rare genetic variation associated with hearing loss in adults. Communications Biology, 2022, 5, .	4.4	12
201	Microarrays and the microscope: balancing throughput with resolution. Journal of Physiology, 2006, 575, 353-359.	2.9	11
202	Linking tuberous sclerosis complex, excessive mTOR signaling, and age-related neurodegeneration: a new association between TSC1 mutation and frontotemporal dementia. Acta Neuropathologica, 2017, 134, 813-816.	7.7	11
203	Gene-environment regulatory circuits of right ventricular pathology in tetralogy of fallot. Journal of Molecular Medicine, 2019, 97, 1711-1722.	3.9	11
204	Lack of Association Between the CCR5-delta32 Polymorphism and Neurodegenerative Disorders. Alzheimer Disease and Associated Disorders, 2020, 34, 244-247.	1.3	11
205	HDinHD: A Rich Data Portal for Huntingtonâ€™s Disease Research. Journal of Huntington's Disease, 2021, 10, 405-412.	1.9	11
206	Neurodegenerative Disease Caregiversâ€™ 5-HTTLPR Genotype Moderates the Effect of Patientsâ€™ Empathic Accuracy Deficits on Caregiversâ€™ Well-Being. American Journal of Geriatric Psychiatry, 2019, 27, 1046-1056.	1.2	10
207	Benign hereditary chorea and deletions outside NKX2-1: What's the role of MBIP?. European Journal of Medical Genetics, 2018, 61, 581-584.	1.3	9
208	Combined Pathologies in FTLD-TDP Types A and C. Journal of Neuropathology and Experimental Neurology, 2018, 77, 405-412.	1.7	8
209	Elevated common variant genetic risk for tourette syndrome in a densely-affected pedigree. Molecular Psychiatry, 2021, 26, 7522-7529.	7.9	8
210	The 5-HTTLPR variant in the serotonin transporter gene modifies degeneration of brain regions important for emotion in behavioral variant frontotemporal dementia. NeuroImage: Clinical, 2015, 9, 283-290.	2.7	7
211	Impairment of memory generalization in preclinical autosomal dominant Alzheimer's disease mutation carriers. Neurobiology of Aging, 2018, 65, 149-157.	3.1	7
212	Frequency of frontotemporal dementia gene variants in C9ORF72, MAPT, and GRN in academic versus commercial laboratory cohorts. Advances in Genomics and Genetics, 2018, Volume 8, 23-33.	0.8	7
213	Altered expression of genes regulating inflammation and synaptogenesis during regrowth of afferent neurons to cochlear hair cells. PLoS ONE, 2020, 15, e0238578.	2.5	7
214	Frequency of the TREM2 R47H Variant in Various Neurodegenerative Disorders. Alzheimer Disease and Associated Disorders, 2019, 33, 327-330.	1.3	6
215	Design, Characterization, and Use of a Novel Amyloid Î²-Protein Control for Assembly, Neurotoxicity, and Gene Expression Studies. Biochemistry, 2016, 55, 5049-5060.	2.5	5
216	Time Course of Changes in Peripheral Blood Gene Expression During Medication Treatment for Major Depressive Disorder. Frontiers in Genetics, 2019, 10, 870.	2.3	5

#	Article	IF	Citations
217	Characterization of Expression Quantitative Trait Loci in Pedigrees from Colombia and Costa Rica Ascertained for Bipolar Disorder. PLoS Genetics, 2016, 12, e1006046.	3.5	4
218	In the setting of Î²-cell stress, the pancreatic duct gland transcriptome shows characteristics of an activated regenerative response. American Journal of Physiology - Renal Physiology, 2018, 315, G848-G854.	3.4	4
219	Dopamine receptor D4 (DRD) polymorphisms with reduced functional potency intensify atrophy in syndrome-specific sites of frontotemporal dementia. NeuroImage: Clinical, 2019, 23, 101822.	2.7	4
220	Co-expression networks in generation of induced pluripotent stem cells. Biology Open, 2016, 5, 300-310.	1.2	3
221	Early-onset Alzheimerâ€™s disease versus frontotemporal dementia: resolution with genetic diagnoses?. Neurocase, 2016, 22, 161-167.	0.6	3
222	Temporal variant of frontotemporal dementia in C9orf72 repeat expansion carriers: two case studies. Brain Imaging and Behavior, 2020, 14, 336-345.	2.1	3
223	Transcriptomic profiling of whole blood in 22q11.2 reciprocal copy number variants reveals that cell proportion highly impacts gene expression. Brain, Behavior, & Immunity - Health, 2021, 18, 100386.	2.5	3
224	No Evidence to Suggest that the Use of Acetylcholinesterase Inhibitors Confounds the Results of Two Blood-Based Biomarker Studies in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2015, 47, 741-750.	2.6	2
225	Primary familial brain calcification in a Norwegian family, caused by a novel SLC20A2 gene mutation. Journal of Neurology, 2016, 263, 594-596.	3.6	2
226	Genetic and functional analysis of a Pacific hagfish opioid system. Journal of Neuroscience Research, 2022, 100, 19-34.	2.9	2
227	Immunosuppressive effect and global dysregulation of blood transcriptome in response to psychosocial stress in vervet monkeys (Chlorocebus sabaeus). Scientific Reports, 2020, 10, 3459.	3.3	2
228	P1â€281: NONLINEAR Nâ€SCORE ESTIMATION FOR ESTABLISHING COGNITIVE NORMS FROM THE NATIONAL ALZHEIMER'S COORDINATING CENTER (NACC) DATASET. Alzheimer's and Dementia, 2018, 14, P390.	0.8	1
229	Patient-Tailored, Connectivity-Based Forecasts of Spreading Brain Atrophy. SSRN Electronic Journal, 0, , .	0.4	1
230	Precipitous Deterioration of Motor Function, Cognition, and Behavior. JAMA Neurology, 2017, 74, 591.	9.0	0
231	P1â€433: GRAY MATTER DEFICITS IN SYMPTOMATIC AND PRESYMPTOMATIC MAPT MUTATION CARRIERS. Alzheimer's and Dementia, 2018, 14, P475.	0.8	0
232	O2â€14â€06: DIFFERENCES BETWEEN SPORADIC AND FAMILIAL BEHAVIORAL VARIANT FTD IN ADVANCING RESEARCH AND TREATMENT FOR FTLD (ARTFL) CLINICAL RESEARCH CONSORTIUM. Alzheimer's and Dementia, 2018, 14, P658.	0.8	0
233	CSIG-22. RECONCILING TUMOR HETEROGENEITY IN GLIOBLASTOMA USING A PATHWAY-BASED APPROACH. Neuro-Oncology, 2018, 20, vi47-vi47.	1.2	0
234	O1â€08â€01: THE NIHâ€EXAMINER IS SENSITIVE TO COGNITIVE CHANGES IN ASYMPTOMATIC AND MILDLY SYMPTOMATIC FAMILIAL FRONTOTEMPORAL DEMENTIA. Alzheimer's and Dementia, 2018, 14, P235.	0.8	0

#	Article	IF	Citations
235	O2â€14â€01: CHARACTERISTICS AND PROGRESS OF 320 SUBJECTS IN THE LONGITUDINAL EVALUATION OF FAMILIAL FRONTOTEMPORAL DEMENTIA SUBJECTS (LEFFTDS) PROTOCOL. Alzheimer's and Dementia, 2018, 14, P656.	0.8	0
236	P1â€419: USING A BRAIN NETWORK APPROACH TO PREDICT GENETIC MUTATION IN INDIVIDUAL PATIENTS WITH FAMILIAL FRONTOTEMPORAL DEMENTIA. Alzheimer's and Dementia, 2018, 14, P465.	0.8	0
237	Abstract A10: Suppressor of cytokine signaling (SOCS)-3 and the C-X-C chemokines CXCL1 and CXCL2 promote tumor aggressiveness and radiation resistance in pancreatic cancer. , 2014, , .		0
238	Title is missing!. , 2020, 15, e0238578.		0
239	Title is missing!. , 2020, 15, e0238578.		0
240	Title is missing!. , 2020, 15, e0238578.		0
241	Title is missing!. , 2020, 15, e0238578.		0