Giovanni Coppola

List of Publications by Citations

244 papers	16,672 citations	65 h-index	125 g-index
261 ext. papers	21,599 ext. citations	10.4 avg, IF	6.16 L-index

#	Paper	IF	Citations
244	Expanded GGGGCC hexanucleotide repeat in noncoding region of C9ORF72 causes chromosome 9p-linked FTD and ALS. *Neuron*, **2011**, 72, 245-56	13.9	3267
243	Astrocyte scar formation aids central nervous system axon regeneration. *Nature*, **2016**, 532, 195-200	50.4	964
242	Identification of common variants associated with human hippocampal and intracranial volumes. *Nature Genetics*, **2012**, 44, 552-61	36.3	498
241	Functional and evolutionary insights into human brain development through global transcriptome analysis. *Neuron*, **2009**, 62, 494-509	13.9	472
240	Progranulin Deficiency Promotes Circuit-Specific Synaptic Pruning by Microglia via Complement Activation. *Cell*, **2016**, 165, 921-35	56.2	378
239	Neural Circuit-Specialized Astrocytes: Transcriptomic, Proteomic, Morphological, and Functional Evidence. *Neuron*, **2017**, 95, 531-549.e9	13.9	325
238	An age-related sprouting transcriptome provides molecular control of axonal sprouting after stroke. *Nature Neuroscience*, **2010**, 13, 1496-504	25.5	242
237	Integrated genomics and proteomics define huntingtin CAG length-dependent networks in mice. *Nature Neuroscience*, **2016**, 19, 623-33	25.5	219
236	Incidence and impact of subclinical epileptiform activity in Alzheimer's disease. *Annals of Neurology*, **2016**, 80, 858-870	9.4	218
235	Mutations in the gene encoding PDGF-B cause brain calcifications in humans and mice. *Nature Genetics*, **2013**, 45, 1077-82	36.3	214
234	A Systems-Level Analysis of the Peripheral Nerve Intrinsic Axonal Growth Program. *Neuron*, **2016**, 89, 956-70	13.9	206
233	Self-Organized Cerebral Organoids with Human-Specific Features Predict Effective Drugs to Combat Zika Virus Infection. *Cell Reports*, **2017**, 21, 517-532	10.6	204
232	Network organization of the huntingtin proteomic interactome in mammalian brain. *Neuron*, **2012**, 75, 41-57	13.9	204
231	Required growth facilitators propel axon regeneration across complete spinal cord injury. *Nature*, **2018**, 561, 396-400	50.4	184
230	Cerebrospinal fluid neurofilament concentration reflects disease severity in frontotemporal degeneration. *Annals of Neurology*, **2014**, 75, 116-26	9.4	181
229	ATF4 is an oxidative stress-inducible, prodeath transcription factor in neurons in vitro and in vivo. *Journal of Experimental Medicine*, **2008**, 205, 1227-42	16.6	178
228	Mutations in XPR1 cause primary familial brain calcification associated with altered phosphate export. *Nature Genetics*, **2015**, 47, 579-81	36.3	176

227	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, 3500-12	5.6	174
226	HDAC inhibitors correct frataxin deficiency in a Friedreich ataxia mouse model. *PLoS ONE*, **2008**, 3, e1958	3.7	174
225	Phenotypic variability associated with progranulin haploinsufficiency in patients with the common 1477C-->T (Arg493X) mutation: an international initiative. *Lancet Neurology, The*, **2007**, 6, 857-68	24.1	174
224	New Transgenic Mouse Lines for Selectively Targeting Astrocytes and Studying Calcium Signals in Astrocyte Processes In Situ and In Vivo. *Neuron*, **2016**, 92, 1181-1195	13.9	171
223	Life extension factor klotho enhances cognition. *Cell Reports*, **2014**, 7, 1065-76	10.6	166
222	SIRT1 deficiency in microglia contributes to cognitive decline in aging and neurodegeneration via epigenetic regulation of IL-1 *Journal of Neuroscience*, **2015**, 35, 807-18	6.6	161
221	Elevated TREM2 Gene Dosage Reprograms Microglia Responsivity and Ameliorates Pathological Phenotypes in Alzheimer's Disease Models. *Neuron*, **2018**, 97, 1032-1048.e5	13.9	158
220	Frontotemporal dementia due to C9ORF72 mutations: clinical and imaging features. *Neurology*, **2012**, 79, 1002-11	6.5	151
219	Inflammatory mediators alter the astrocyte transcriptome and calcium signaling elicited by multiple G-protein-coupled receptors. *Journal of Neuroscience*, **2012**, 32, 14489-510	6.6	144
218	Clinicopathological correlations in behavioural variant frontotemporal dementia. *Brain*, **2017**, 140, 3329-3345	11.4	139
217	Huntington's disease accelerates epigenetic aging of human brain and disrupts DNA methylation levels. *Aging*, **2016**, 8, 1485-512	5.6	138
216	Subcellular knockout of importin 1 perturbs axonal retrograde signaling. *Neuron*, **2012**, 75, 294-305	13.9	137
215	Signaling to transcription networks in the neuronal retrograde injury response. *Science Signaling*, **2010**, 3, ra53	8.8	135
214	Reducing Astrocyte Calcium Signaling In Vivo Alters Striatal Microcircuits and Causes Repetitive Behavior. *Neuron*, **2018**, 99, 1170-1187.e9	13.9	130
213	Tet3 regulates synaptic transmission and homeostatic plasticity via DNA oxidation and repair. *Nature Neuroscience*, **2015**, 18, 836-43	25.5	122
212	Exome sequencing and characterization of 49,960 individuals in the UK Biobank. *Nature*, **2020**, 586, 749-756	5.4	122
211	Suberoylanilide hydroxamic acid (vorinostat) up-regulates progranulin transcription: rational therapeutic approach to frontotemporal dementia. *Journal of Biological Chemistry*, **2011**, 286, 16101-8	5.4	121
210	Mutations in SLC20A2 are a major cause of familial idiopathic basal ganglia calcification. *Neurogenetics*, **2013**, 14, 11-22	3	111

209	GDF10 is a signal for axonal sprouting and functional recovery after stroke. *Nature Neuroscience*, **2015**, 18, 1737-45	25.5	110
208	Hyperactivity with Disrupted Attention by Activation of an Astrocyte Synaptogenic Cue. *Cell*, **2019**, 177, 1280-1292.e20	56.2	109
207	Tauopathy with paired helical filaments in an aged chimpanzee. *Journal of Comparative Neurology*, **2008**, 509, 259-70	3.4	105
206	Mitochondrial dysfunction and immune activation are detectable in early Alzheimer's disease blood. *Journal of Alzheimer's Disease*, **2012**, 30, 685-710	4.3	104
205	Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. *Neuron*, **2017**, 94, 1101-1111.e7	13.9	103
204	N-acetylcysteine targets 5 lipoxygenase-derived, toxic lipids and can synergize with prostaglandin E to inhibit ferroptosis and improve outcomes following hemorrhagic stroke in mice. *Annals of Neurology*, **2018**, 84, 854-872	9.4	103
203	Altered network connectivity in frontotemporal dementia with C9orf72 hexanucleotide repeat expansion. *Brain*, **2014**, 137, 3047-60	11.2	102
202	Interrogating the Genetic Determinants of Tourette's Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. *American Journal of Psychiatry*, **2019**, 176, 217-227	11.9	95
201	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	6.6	94
200	Functional genomic analysis of frataxin deficiency reveals tissue-specific alterations and identifies the PPARgamma pathway as a therapeutic target in Friedreich's ataxia. *Human Molecular Genetics*, **2009**, 18, 2452-61	5.6	94
199	Network degeneration and dysfunction in presymptomatic expansion carriers. *NeuroImage: Clinical*, **2017**, 14, 286-297	5.3	90
198	Timing and significance of pathological features in C9orf72 expansion-associated frontotemporal dementia. *Brain*, **2016**, 139, 3202-3216	11.2	90
197	De Novo Coding Variants Are Strongly Associated with Tourette Disorder. *Neuron*, **2017**, 94, 486-499.e9	13.9	89
196	Sox11 Expression Promotes Regeneration of Some Retinal Ganglion Cell Types but Kills Others. *Neuron*, **2017**, 94, 1112-1120.e4	13.9	88
195	Distinct Subtypes of Behavioral Variant Frontotemporal Dementia Based on Patterns of Network Degeneration. *JAMA Neurology*, **2016**, 73, 1078-88	17.2	86
194	Progranulin mutations as risk factors for Alzheimer disease. *JAMA Neurology*, **2013**, 70, 774-8	17.2	84
193	Gene expression study on peripheral blood identifies progranulin mutations. *Annals of Neurology*, **2008**, 64, 92-6	9.4	83
192	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, 8187-97	6.6	82

191	CSIG-22. RECONCILING TUMOR HETEROGENEITY IN GLIOBLASTOMA USING A PATHWAY-BASED APPROACH. *Neuro-Oncology*, **2018**, 20, vi47-vi47	1	78
190	Divergent CSF tau alterations in two common tauopathies: Alzheimer's disease and progressive supranuclear palsy. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 244-50	5.5	77
189	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	17.5	77
188	Ancient hybridization and strong adaptation to viruses across African vervet monkey populations. *Nature Genetics*, **2017**, 49, 1705-1713	36.3	76
187	C9ORF72 repeat expansions in cases with previously identified pathogenic mutations. *Neurology*, **2013**, 81, 1332-41	6.5	75
186	Increased CYFIP1 dosage alters cellular and dendritic morphology and dysregulates mTOR. *Molecular Psychiatry*, **2015**, 20, 1069-78	15.1	74
185	Mechanistic Differences in Neuropathic Pain Modalities Revealed by Correlating Behavior with Global Expression Profiling. *Cell Reports*, **2018**, 22, 1301-1312	10.6	74
184	F-flortaucipir (AV-1451) tau PET in frontotemporal dementia syndromes. *Alzheimer's Research and Therapy*, **2019**, 11, 13	9	70
183	Generation and post-injury integration of human spinal cord neural stem cells. *Nature Methods*, **2018**, 15, 723-731	21.6	69
182	Astrocyte molecular signatures in Huntington's disease. *Science Translational Medicine*, **2019**, 11,	17.5	69
181	Human iPSC-Derived Neuronal Model of Tau-A152T Frontotemporal Dementia Reveals Tau-Mediated Mechanisms of Neuronal Vulnerability. *Stem Cell Reports*, **2016**, 7, 325-340	8	68
180	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	11.5	66
179	Injured adult neurons regress to an embryonic transcriptional growth state. *Nature*, **2020**, 581, 77-82	50.4	65
178	CREB controls cortical circuit plasticity and functional recovery after stroke. *Nature Communications*, **2018**, 9, 2250	17.4	64
177	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	3.7	64
176	Genomic Analysis Reveals Disruption of Striatal Neuronal Development and Therapeutic Targets in Human Huntington's Disease Neural Stem Cells. *Stem Cell Reports*, **2015**, 5, 1023-1038	8	63
175	A152T tau allele causes neurodegeneration that can be ameliorated in a zebrafish model by autophagy induction. *Brain*, **2017**, 140, 1128-1146	11.2	62
174	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, 586-94	3.5	61

173	Robust Axonal Regeneration Occurs in the Injured CAST/Ei Mouse CNS. *Neuron*, **2015**, 86, 1215-27	13.9	60
172	The effect of the serotonin transporter polymorphism (5-HTTLPR) on empathic and self-conscious emotional reactivity. *Emotion*, **2013**, 13, 25-35	4.1	59
171	Neuropathology of Autosomal Dominant Alzheimer Disease in the National Alzheimer Coordinating Center Database. *Journal of Neuropathology and Experimental Neurology*, **2016**, 75, 284-90	3.1	55
170	Update and Mutational Analysis of SLC20A2: A Major Cause of Primary Familial Brain Calcification. *Human Mutation*, **2015**, 36, 489-95	4.7	54
169	Loss of functional connectivity is greater outside the default mode network in nonfamilial early-onset Alzheimer's disease variants. *Neurobiology of Aging*, **2015**, 36, 2678-86	5.6	54
168	An epigenetic signature in peripheral blood associated with the haplotype on 17q21.31, a risk factor for neurodegenerative tauopathy. *PLoS Genetics*, **2014**, 10, e1004211	6	54
167	Increased prevalence of autoimmune disease within C9 and FTD/MND cohorts: Completing the picture. *Neurology: Neuroimmunology and NeuroInflammation*, **2016**, 3, e301	9.1	52
166	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	10.6	51
165	A gene expression phenotype in lymphocytes from Friedreich ataxia patients. *Annals of Neurology*, **2011**, 70, 790-804	9.4	49
164	N17 Modifies mutant Huntingtin nuclear pathogenesis and severity of disease in HD BAC transgenic mice. *Neuron*, **2015**, 85, 726-41	13.9	48
163	Gene expression profiling in frataxin deficient mice: microarray evidence for significant expression changes without detectable neurodegeneration. *Neurobiology of Disease*, **2006**, 22, 302-11	7.5	47
162	Novel roles for osteopontin and clusterin in peripheral motor and sensory axon regeneration. *Journal of Neuroscience*, **2014**, 34, 1689-700	6.6	44
161	Large-scale assessment of the gliomasphere model system. *Neuro-Oncology*, **2016**, 18, 1367-78	1	44
160	Genetic variation and gene expression across multiple tissues and developmental stages in a nonhuman primate. *Nature Genetics*, **2017**, 49, 1714-1721	36.3	43
159	Timing of Smarcb1 and Nf2 inactivation determines schwannoma versus rhabdoid tumor development. *Nature Communications*, **2017**, 8, 300	17.4	43
158	Neurons selectively targeted in frontotemporal dementia reveal early stage TDP-43 pathobiology. *Acta Neuropathologica*, **2019**, 137, 27-46	14.3	43
157	Advancing human genetics research and drug discovery through exome sequencing of the UK Biobank. *Nature Genetics*, **2021**, 53, 942-948	36.3	42
156	Joint genome-wide association study of progressive supranuclear palsy identifies novel susceptibility loci and genetic correlation to neurodegenerative diseases. *Molecular Neurodegeneration*, **2018**, 13, 41	19	41

155	Regional brain volume differences in symptomatic and presymptomatic carriers of familial Alzheimer's disease mutations. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 154-62	5.5	41
154	The choroid plexus transcriptome reveals changes in type I and II interferon responses in a mouse model of Alzheimer's disease. *Brain, Behavior, and Immunity*, **2015**, 49, 280-92	16.6	39
153	Fine-mapping of the human leukocyte antigen locus as a risk factor for Alzheimer disease: A case-control study. *PLoS Medicine*, **2017**, 14, e1002272	11.6	39
152	Neurodegenerative disease biomarkers A□A□tau, and p-tau in the vervet monkey cerebrospinal fluid: Relation□to normal aging, genetic influences, and cerebral amyloid angiopathy. *Brain and Behavior*, **2018**, 8, e00903	3.4	37
151	Primary brain calcification: an international study reporting novel variants and associated phenotypes. *European Journal of Human Genetics*, **2018**, 26, 1462-1477	5.3	37
150	Metabolic characterization of isocitrate dehydrogenase (IDH) mutant and IDH wildtype gliomaspheres uncovers cell type-specific vulnerabilities. *Cancer & Metabolism*, **2018**, 6, 4	5.4	37
149	Pathways and gene networks mediating the regulatory effects of cannabidiol, a nonpsychoactive cannabinoid, in autoimmune T cells. *Journal of Neuroinflammation*, **2016**, 13, 136	10.1	37
148	Whole-genome sequencing suggests a chemokine gene cluster that modifies age at onset in familial Alzheimer's disease. *Molecular Psychiatry*, **2015**, 20, 1294-300	15.1	36
147	Partial inhibition of the overactivated Ku80-dependent DNA repair pathway rescues neurodegeneration in -ALS/FTD. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 9628-9633	11.5	35
146	Exome sequencing and analysis of 454,787 UK Biobank participants. *Nature*, **2021**, 599, 628-634	50.4	34
145	A multiancestral genome-wide exome array study of Alzheimer disease, frontotemporal dementia, and progressive supranuclear palsy. *JAMA Neurology*, **2015**, 72, 414-22	17.2	33
144	Common variants in ABCA7 and MS4A6A are associated with cortical and hippocampal atrophy. *Neurobiology of Aging*, **2016**, 39, 82-9	5.6	33
143	Rare TREM2 variants associated with Alzheimer's disease display reduced cell surface expression. *Acta Neuropathologica Communications*, **2016**, 4, 98	7.3	32
142	Patient-Tailored, Connectivity-Based Forecasts of Spreading Brain Atrophy. *Neuron*, **2019**, 104, 856-868.e5	13.9	31
141	Mutation of senataxin alters disease-specific transcriptional networks in patients with ataxia with oculomotor apraxia type 2. *Human Molecular Genetics*, **2014**, 23, 4758-69	5.6	31
140	Poly(GP), neurofilament and grey matter deficits in expansion carriers. *Annals of Clinical and Translational Neurology*, **2018**, 5, 583-597	5.3	29
139	Clinicopathological Study of Patients With C9ORF72-Associated Frontotemporal Dementia Presenting With Delusions. *Journal of Geriatric Psychiatry and Neurology*, **2015**, 28, 99-107	3.8	29
138	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	6.9	28

137	Decoding the Long Noncoding RNA During Cardiac Maturation: A Roadmap for Functional Discovery. *Circulation: Cardiovascular Genetics*, **2016**, 9, 395-407		28
136	miRNA expression profiles and molecular networks in resting and LPS-activated BV-2 microglia-Effect of cannabinoids. *PLoS ONE*, **2019**, 14, e0212039	3.7	27
135	Cannabidiol, a non-psychoactive cannabinoid, leads to EGR2-dependent anergy in activated encephalitogenic T cells. *Journal of Neuroinflammation*, **2015**, 12, 52	10.1	27
134	Utility of the global CDR plus NACC FTLD rating and development of scoring rules: Data from the ARTFL/LEFFTDS Consortium. *Alzheimer's and Dementia*, **2020**, 16, 106-117	1.2	27
133	Activity-Dependent Regulation of Alternative Cleavage and Polyadenylation During Hippocampal Long-Term Potentiation. *Scientific Reports*, **2017**, 7, 17377	4.9	27
132	Genome-wide association study identifies locus influencing human plasma tau levels. *Neurology*, **2017**, 88, 669-676	6.5	26
131	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, 263-75	7.5	26
130	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	3.7	26
129	Activation of the HIF1/PFKFB3 stress response pathway in beta cells in type 1 diabetes. *Diabetologia*, **2020**, 63, 149-161	10.3	26
128	Genetic screening of a large series of North American sporadic and familial frontotemporal dementia cases. *Alzheimer's and Dementia*, **2020**, 16, 118-130	1.2	25
127	Differential regulation of type III secretion and virulence genes in Bordetella pertussis and Bordetella bronchiseptica by a secreted anti-factor. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2341-8	11.5	25
126	Mapping Gene Expression in Excitatory Neurons during Hippocampal Late-Phase Long-Term Potentiation. *Frontiers in Molecular Neuroscience*, **2017**, 10, 39	6.1	25
125	Cardiac Dysfunction in the BACHD Mouse Model of Huntington's Disease. *PLoS ONE*, **2016**, 11, e0147269	3.7	25
124	A Rare Mutation of -Adrenergic Receptor Affects Sleep/Wake Behaviors. *Neuron*, **2019**, 103, 1044-1055.e7	13.9	24
123	DNA Methylation Analysis Validates Organoids as a Viable Model for Studying Human Intestinal Aging. *Cellular and Molecular Gastroenterology and Hepatology*, **2020**, 9, 527-541	7.9	24
122	Peripheral blood gene expression reveals an inflammatory transcriptomic signature in Friedreich's ataxia patients. *Human Molecular Genetics*, **2018**, 27, 2965-2977	5.6	24
121	Synaptic and Gene Regulatory Mechanisms in Schizophrenia, Autism, and 22q11.2 Copy Number Variant-Mediated Risk for Neuropsychiatric Disorders. *Biological Psychiatry*, **2020**, 87, 150-163	7.9	23
120	Context-Specific Striatal Astrocyte Molecular Responses Are Phenotypically Exploitable. *Neuron*, **2020**, 108, 1146-1162.e10	13.9	22

119	Sequencing of 640,000 exomes identifies variants associated with protection from obesity. *Science*, **2021**, 373,	33.3	22
118	Plasma Tau and Neurofilament Light in Frontotemporal Lobar Degeneration and Alzheimer Disease. *Neurology*, **2021**, 96, e671-e683	6.5	21
117	Novel candidate blood-based transcriptional biomarkers of Machado-Joseph disease. *Movement Disorders*, **2015**, 30, 968-75	7	20
116	Hydroxamic acid-based histone deacetylase (HDAC) inhibitors can mediate neuroprotection independent of HDAC inhibition. *Journal of Neuroscience*, **2014**, 34, 14328-37	6.6	20
115	Rare variants in the neuronal ceroid lipofuscinosis gene MFSD8 are candidate risk factors for frontotemporal dementia. *Acta Neuropathologica*, **2019**, 137, 71-88	14.3	20
114	Genetic screen in a large series of patients with primary progressive aphasia. *Alzheimer's and Dementia*, **2019**, 15, 553-560	1.2	19
113	A new model to study neurodegeneration in ataxia oculomotor apraxia type 2. *Human Molecular Genetics*, **2015**, 24, 5759-74	5.6	19
112	C9orf72 repeat expansions that cause frontotemporal dementia are detectable among patients with psychosis. *Psychiatry Research*, **2016**, 235, 200-2	9.9	19
111	MicroRNA signatures of endogenous Huntingtin CAG repeat expansion in mice. *PLoS ONE*, **2018**, 13, e0190550	3.7	19
110	The longitudinal evaluation of familial frontotemporal dementia subjects protocol: Framework and methodology. *Alzheimer's and Dementia*, **2020**, 16, 22-36	1.2	19
109	Adult rat myelin enhances axonal outgrowth from neural stem cells. *Science Translational Medicine*, **2018**, 10,	17.5	19
108	Designing, performing, and interpreting a microarray-based gene expression study. *Methods in Molecular Biology*, **2011**, 793, 417-39	1.4	18
107	Assessment of executive function declines in presymptomatic and mildly symptomatic familial frontotemporal dementia: NIH-EXAMINER as a potential clinical trial endpoint. *Alzheimer's and Dementia*, **2020**, 16, 11-21	1.2	18
106	Individualized atrophy scores predict dementia onset in familial frontotemporal lobar degeneration. *Alzheimer's and Dementia*, **2020**, 16, 37-48	1.2	18
105	Comparison of sporadic and familial behavioral variant frontotemporal dementia (FTD) in a North American cohort. *Alzheimer's and Dementia*, **2020**, 16, 60-70	1.2	17
104	Clinical and volumetric changes with increasing functional impairment in familial frontotemporal lobar degeneration. *Alzheimer's and Dementia*, **2020**, 16, 49-59	1.2	17
103	First Japanese family with primary familial brain calcification due to a mutation in the PDGFB gene: an exome analysis study. *Psychiatry and Clinical Neurosciences*, **2015**, 69, 77-83	6.2	16
102	Decision tree analysis of genetic risk for clinically heterogeneous Alzheimer's disease. *BMC Neurology*, **2015**, 15, 47	3.1	16

101	Enhanced Neuronal Regeneration in the CAST/Ei Mouse Strain Is Linked to Expression of Differentiation Markers after Injury. *Cell Reports*, **2017**, 20, 1136-1147	10.6	16
100	Translatome Regulation in Neuronal Injury and Axon Regrowth. *ENeuro*, **2018**, 5,	3.9	16
99	Genome-wide survey of copy number variants finds MAPT duplications in progressive supranuclear palsy. *Movement Disorders*, **2019**, 34, 1049-1059	7	15
98	Thalamo-cortical network hyperconnectivity in preclinical progranulin mutation carriers. *NeuroImage: Clinical*, **2019**, 22, 101751	5.3	15
97	Transcriptomics and the mechanisms of antidepressant efficacy. *European Neuropsychopharmacology*, **2016**, 26, 105-112	1.2	15
96	DNA methylation study of Huntington's disease and motor progression in patients and in animal models. *Nature Communications*, **2020**, 11, 4529	17.4	15
95	Transcriptional profiling of isogenic Friedreich ataxia neurons and effect of an HDAC inhibitor on disease signatures. *Journal of Biological Chemistry*, **2019**, 294, 1846-1859	5.4	15
94	Wnt11 regulates cardiac chamber development and disease during perinatal maturation. *JCI Insight* , **2017**, 2,	9.9	14
93	A molecular cascade modulates MAP1B and confers resistance to mTOR inhibition in human glioblastoma. *Neuro-Oncology*, **2018**, 20, 764-775	1	14
92	Progranulin levels in blood in Alzheimer's disease and mild cognitive impairment. *Annals of Clinical and Translational Neurology*, **2018**, 5, 616-629	5.3	14
91	Suberoylanilide hydroxamic acid increases progranulin production in iPSC-derived cortical neurons of frontotemporal dementia patients. *Neurobiology of Aging*, **2016**, 42, 35-40	5.6	14
90	Revised Self-Monitoring Scale: A potential endpoint for frontotemporal dementia clinical trials. *Neurology*, **2020**, 94, e2384-e2395	6.5	14
89	Gyrification abnormalities in presymptomatic expansion carriers. *Journal of Neurology, Neurosurgery and Psychiatry*, **2019**, 90, 1005-1010	5.5	13
88	hnRNPs Interacting with mRNA Localization Motifs Define Axonal RNA Regulons. *Molecular and Cellular Proteomics*, **2018**, 17, 2091-2106	7.6	13
87	Forward Genetic Screen in Suggests F57A10.2 and acp-4 As Suppressors of C9ORF72 Related Phenotypes. *Frontiers in Molecular Neuroscience*, **2016**, 9, 113	6.1	13
86	Genetic Prion Disease Caused by PRNP Q160X Mutation Presenting with an Orbitofrontal Syndrome, Cyclic Diarrhea, and Peripheral Neuropathy. *Journal of Alzheimer's Disease*, **2017**, 55, 249-258	4.3	13
85	Preferential tau aggregation in von Economo neurons and fork cells in frontotemporal lobar degeneration with specific MAPT variants. *Acta Neuropathologica Communications*, **2019**, 7, 159	7.3	12
84	A novel PSEN1 mutation (I238M) associated with early-onset Alzheimer's disease in an African-American woman. *Journal of Alzheimer's Disease*, **2014**, 40, 271-5	4.3	12

83	Plasma Neurofilament Light for Prediction of Disease Progression in Familial Frontotemporal Lobar Degeneration. *Neurology*, **2021**, 96, e2296-e2312	6.5	12
82	Amyloid in dementia associated with familial FTLD: not an innocent bystander. *Neurocase*, **2016**, 22, 76-83	0.8	11
81	Primary familial brain calcification caused by a novel homozygous MYORG mutation in a consanguineous Italian family. *Neurogenetics*, **2019**, 20, 99-102	3	11
80	Regeneration Enhances Metastasis: A Novel Role for Neurovascular Signaling in Promoting Melanoma Brain Metastasis. *Frontiers in Neuroscience*, **2019**, 13, 297	5.1	11
79	Age- and stress-associated C. elegans granulins impair lysosomal function and induce a compensatory HLH-30/TFEB transcriptional response. *PLoS Genetics*, **2019**, 15, e1008295	6	11
78	Tau interactome maps synaptic and mitochondrial processes associated with neurodegeneration.. *Cell*, **2022**,	56.2	11
77	Synaptic processes and immune-related pathways implicated in Tourette syndrome. *Translational Psychiatry*, **2021**, 11, 56	8.6	11
76	Expanding the global prevalence of spinocerebellar ataxia type 42. *Neurology: Genetics*, **2018**, 4, e232	3.8	10
75	Bioinformatics and genomic databases. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2018**, 147, 75-92	3	10
74	Apolipoprotein Ɛ4 is associated with lower brain volume in cognitively normal Chinese but not white older adults. *PLoS ONE*, **2015**, 10, e0118338	3.7	10
73	Specific and behaviorally consequential astrocyte G GPCR signaling attenuation in vivo with iβARK. *Neuron*, **2021**, 109, 2256-2274.e9	13.9	10
72	Inhibition of Nucleotide Synthesis Targets Brain Tumor Stem Cells in a Subset of Glioblastoma. *Molecular Cancer Therapeutics*, **2016**, 15, 1271-8	6.1	10
71	Widespread white matter and conduction defects in PSEN1-related spastic paraparesis. *Neurobiology of Aging*, **2016**, 47, 201-209	5.6	10
70	White Matter Stroke Induces a Unique Oligo-Astrocyte Niche That Inhibits Recovery. *Journal of Neuroscience*, **2019**, 39, 9343-9359	6.6	10
69	Tracking white matter degeneration in asymptomatic and symptomatic MAPT mutation carriers. *Neurobiology of Aging*, **2019**, 83, 54-62	5.6	9
68	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	14.3	9
67	Brain calcifications and variants. *Neurology: Genetics*, **2017**, 3, e166	3.8	9
66	Genome-wide analysis provides genetic evidence that ACE2 influences COVID-19 risk and yields risk scores associated with severe disease.. *Nature Genetics*, **2022**,	36.3	9

65	Contribution of common and rare variants to bipolar disorder susceptibility in extended pedigrees from population isolates. *Translational Psychiatry*, **2020**, 10, 74	8.6	8
64	Neurodegenerative Disease CaregiversR5-HTTLPR Genotype Moderates the Effect of PatientsR Empathic Accuracy Deficits on CaregiversRWell-Being. *American Journal of Geriatric Psychiatry*, **2019**, 27, 1046-1056	6.5	8
63	A Ca-Dependent Switch Activates Axonal Casein Kinase 2Translation and Drives G3BP1 Granule Disassembly for Axon Regeneration. *Current Biology*, **2020**, 30, 4882-4895.e6	6.3	8
62	Identification of an Efficient Gene Expression Panel for Glioblastoma Classification. *PLoS ONE*, **2016**, 11, e0164649	3.7	8
61	Frontotemporal dementia spectrum: first genetic screen in a Greek cohort. *Neurobiology of Aging*, **2019**, 75, 224.e1-224.e8	5.6	8
60	Mixed TDP-43 proteinopathy and tauopathy in frontotemporal lobar degeneration: nine case series. *Journal of Neurology*, **2018**, 265, 2960-2971	5.5	8
59	Microarrays and the microscope: balancing throughput with resolution. *Journal of Physiology*, **2006**, 575, 353-9	3.9	7
58	AD-linked R47H- mutation induces disease-enhancing microglial states via AKT hyperactivation. *Science Translational Medicine*, **2021**, 13, eabe3947	17.5	7
57	Epigenetic clock and methylation studies in vervet monkeys		7
56	Association of Cognitive and Behavioral Features Between Adults With Tuberous Sclerosis and Frontotemporal Dementia. *JAMA Neurology*, **2020**, 77, 358-366	17.2	7
55	Selective axonal translation of the mRNA isoform encoding prenylated Cdc42 supports axon growth. *Journal of Cell Science*, **2021**, 134,	5.3	7
54	ForestQC: Quality control on genetic variants from next-generation sequencing data using random forest. *PLoS Computational Biology*, **2019**, 15, e1007556	5	7
53	Molecular and functional properties of cortical astrocytes during peripherally induced neuroinflammation. *Cell Reports*, **2021**, 36, 109508	10.6	7
52	Frequency of the TREM2 R47H Variant in Various Neurodegenerative Disorders. *Alzheimer Disease and Associated Disorders*, **2019**, 33, 327-330	2.5	6
51	Longitudinal RNA-Seq analysis of acute and chronic neurogenic skeletal muscle atrophy. *Scientific Data*, **2019**, 6, 179	8.2	5
50	DYNLRB1 is essential for dynein mediated transport and neuronal survival. *Neurobiology of Disease*, **2020**, 140, 104816	7.5	5
49	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, 283-90	5.3	5
48	Nonlinear Z-score modeling for improved detection of cognitive abnormality. *Alzheimerks and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2019**, 11, 797-808	5.2	5

47	Epigenetic clock and methylation studies in vervet monkeys. *GeroScience*, **2021**, 1	8.9	5
46	Benign hereditary chorea and deletions outside NKX2-1: What's the role of MBIP?. *European Journal of Medical Genetics*, **2018**, 61, 581-584	2.6	4
45	Combined Pathologies in FTLD-TDP Types A and C. *Journal of Neuropathology and Experimental Neurology*, **2018**, 77, 405-412	3.1	4
44	In the setting of cell stress, the pancreatic duct gland transcriptome shows characteristics of an activated regenerative response. *American Journal of Physiology - Renal Physiology*, **2018**, 315, G848-G854	5.1	4
43	CRISPR-Cas9 targeted deletion of the C9orf72 repeat expansion mutation corrects cellular phenotypes in patient-derived iPS cells		4
42	Characterization of Expression Quantitative Trait Loci in Pedigrees from Colombia and Costa Rica Ascertained for Bipolar Disorder. *PLoS Genetics*, **2016**, 12, e1006046	6	4
41	Design, Characterization, and Use of a Novel Amyloid Protein Control for Assembly, Neurotoxicity, and Gene Expression Studies. *Biochemistry*, **2016**, 55, 5049-60	3.2	4
40	Brain volumetric deficits in MAPT mutation carriers: a multisite study. *Annals of Clinical and Translational Neurology*, **2021**, 8, 95-110	5.3	4
39	The glycine arginine-rich domain of the RNA-binding protein nucleolin regulates its subcellular localization. *EMBO Journal*, **2021**, 40, e107158	13	4
38	Dopamine receptor D (DRD) polymorphisms with reduced functional potency intensify atrophy in syndrome-specific sites of frontotemporal dementia. *NeuroImage: Clinical*, **2019**, 23, 101822	5.3	3
37	Impairment of memory generalization in preclinical autosomal dominant Alzheimer's disease mutation carriers. *Neurobiology of Aging*, **2018**, 65, 149-157	5.6	3
36	Co-expression networks in generation of induced pluripotent stem cells. *Biology Open*, **2016**, 5, 300-10	2.2	3
35	Time Course of Changes in Peripheral Blood Gene Expression During Medication Treatment for Major Depressive Disorder. *Frontiers in Genetics*, **2019**, 10, 870	4.5	3
34	Altered expression of genes regulating inflammation and synaptogenesis during regrowth of afferent neurons to cochlear hair cells. *PLoS ONE*, **2020**, 15, e0238578	3.7	3
33	Rare copy number variants in NRXN1 and CNTN6 increase risk for Tourette syndrome		3
32	Establishment of a Human Induced Pluripotent Stem Cell-Derived Neuromuscular Co-Culture Under Optogenetic Control		3
31	The burden of deleterious variants in a non-human primate biomedical model		3
30	Lack of Association Between the CCR5-delta32 Polymorphism and Neurodegenerative Disorders. *Alzheimer Disease and Associated Disorders*, **2020**, 34, 244-247	2.5	3

29	Gene-environment regulatory circuits of right ventricular pathology in tetralogy of fallot. *Journal of Molecular Medicine*, **2019**, 97, 1711-1722	5.5	3
28	Frequency of frontotemporal dementia gene variants in , , and in academic versus commercial laboratory cohorts. *Advances in Genomics and Genetics*, **2018**, 8, 23-33		3
27	IAPP-induced beta cell stress recapitulates the islet transcriptome in type 2 diabetes. *Diabetologia*, **2022**, 65, 173-187	10.3	3
26	Early-onset Alzheimer's disease versus frontotemporal dementia: resolution with genetic diagnoses?. *Neurocase*, **2016**, 22, 161-7	0.8	2
25	Temporal variant of frontotemporal dementia in C9orf72 repeat expansion carriers: two case studies. *Brain Imaging and Behavior*, **2020**, 14, 336-345	4.1	2
24	Immunosuppressive effect and global dysregulation of blood transcriptome in response to psychosocial stress in vervet monkeys (Chlorocebus sabaeus). *Scientific Reports*, **2020**, 10, 3459	4.9	2
23	Primary familial brain calcification in a Norwegian family, caused by a novel SLC20A2 gene mutation. *Journal of Neurology*, **2016**, 263, 594-6	5.5	2
22	No Evidence to Suggest that the Use of Acetylcholinesterase Inhibitors Confounds the Results of Two Blood-Based Biomarker Studies in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2015**, 47, 741-50	4.3	2
21	Uninterrupted CAG repeat drives striatum-selective transcriptionopathy and nuclear pathogenesis in human Huntingtin BAC mice.. *Neuron*, **2022**,	13.9	2
20	Contribution of common and rare variants to bipolar disorder susceptibility in extended pedigrees from population isolates		2
19	Selective axonal translation of prenylated Cdc42 mRNA isoform supports axon growth		1
18	Systems-level analysis of peripheral blood gene expression in dementia patients reveals an innate immune response shared across multiple disorders		1
17	P1-281: NONLINEAR N-SCORE ESTIMATION FOR ESTABLISHING COGNITIVE NORMS FROM THE NATIONAL ALZHEIMER'S COORDINATING CENTER (NACC) DATASET **2018**, 14, P390-P391		1
16	HDinHD: A Rich Data Portal for Huntington's Disease Research. *Journal of Huntington's Disease*, **2021**, 10, 405-412	1.9	1
15	Topoisomerase I inhibition and peripheral nerve injury induce DNA breaks and ATF3-associated axon regeneration in sensory neurons. *Cell Reports*, **2021**, 36, 109666	10.6	1
14	Elevated common variant genetic risk for tourette syndrome in a densely-affected pedigree. *Molecular Psychiatry*, **2021**,	15.1	1
13	Cortical and subcortical pathological burden and neuronal loss in an autopsy series of FTLD-TDP-type C.. *Brain*, **2021**,	11.2	1
12	Comprehensive cross-sectional and longitudinal analyses of plasma neurofilament light across FTD spectrum disorders.. *Cell Reports Medicine*, **2022**, 3, 100607	18	0

11	Precipitous Deterioration of Motor Function, Cognition, and Behavior. *JAMA Neurology*, **2017**, 74, 591-596	17.2
10	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	5.1
9	P1-433: GRAY MATTER DEFICITS IN SYMPTOMATIC AND PRESYMPTOMATIC MAPT MUTATION CARRIERS **2018**, 14, P475-P476	
8	O2-14-06: DIFFERENCES BETWEEN SPORADIC AND FAMILIAL BEHAVIORAL VARIANT FTD IN ADVANCING RESEARCH AND TREATMENT FOR FTLD (ARTFL) CLINICAL RESEARCH CONSORTIUM **2018**, 14, P658-P659	
7	O1-08-01: THE NIH-EXAMINER IS SENSITIVE TO COGNITIVE CHANGES IN ASYMPTOMATIC AND MILDLY SYMPTOMATIC FAMILIAL FRONTOTEMPORAL DEMENTIA **2018**, 14, P235-P235	
6	O2-14-01: CHARACTERISTICS AND PROGRESS OF 320 SUBJECTS IN THE LONGITUDINAL EVALUATION OF FAMILIAL FRONTOTEMPORAL DEMENTIA SUBJECTS (LEFFTDS) PROTOCOL **2018**, 14, P656-P656	
5	P1-419: USING A BRAIN NETWORK APPROACH TO PREDICT GENETIC MUTATION IN INDIVIDUAL PATIENTS WITH FAMILIAL FRONTOTEMPORAL DEMENTIA **2018**, 14, P465-P466	
4	Altered expression of genes regulating inflammation and synaptogenesis during regrowth of afferent neurons to cochlear hair cells **2020**, 15, e0238578	
3	Altered expression of genes regulating inflammation and synaptogenesis during regrowth of afferent neurons to cochlear hair cells **2020**, 15, e0238578	
2	Altered expression of genes regulating inflammation and synaptogenesis during regrowth of afferent neurons to cochlear hair cells **2020**, 15, e0238578	
1	Altered expression of genes regulating inflammation and synaptogenesis during regrowth of afferent neurons to cochlear hair cells **2020**, 15, e0238578	