Peter H St George-Hyslop

List of Publications by Year
in descending order

271 papers	38,357 citations	4955 84 h-index	3321 184 g-index
283 all docs	283 docs citations	283 times ranked	37005 citing authors

#	Article	IF	Citations
1	Meta-analysis of 74,046 individuals identifies 11 new susceptibility loci for Alzheimer's disease. Nature Genetics, 2013, 45, 1452-1458.	9.4	3,741
2	TREM2 Variants in Alzheimer's Disease. New England Journal of Medicine, 2013, 368, 117-127.	13.9	2,385
3	Genetic meta-analysis of diagnosed Alzheimerâ€™s disease identifies new risk loci and implicates AÎ², tau, immunity and lipid processing. Nature Genetics, 2019, 51, 414-430.	9.4	1,962
4	Common variants at MS4A4/MS4A6E, CD2AP, CD33 and EPHA1 are associated with late-onset Alzheimer's disease. Nature Genetics, 2011, 43, 436-441.	9.4	1,676
5	AÎ² peptide immunization reduces behavioural impairment and plaques in a model of Alzheimer's disease. Nature, 2000, 408, 979-982.	13.7	1,472
6	Analysis of shared heritability in common disorders of the brain. Science, 2018, 360, .	6.0	1,085
7	The neuronal sortilin-related receptor SORL1 is genetically associated with Alzheimer disease. Nature Genetics, 2007, 39, 168-177.	9.4	1,045
8	Nicastrin modulates presenilin-mediated notch/glp-1 signal transduction and Î²APP processing. Nature, 2000, 407, 48-54.	13.7	895
9	Early-onset Amyloid Deposition and Cognitive Deficits in Transgenic Mice Expressing a Double Mutant Form of Amyloid Precursor Protein 695. Journal of Biological Chemistry, 2001, 276, 21562-21570.	1.6	820
10	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. Nature Genetics, 2017, 49, 1373-1384.	9.4	783
11	Functional variants of OCTN cation transporter genes are associated with Crohn disease. Nature Genetics, 2004, 36, 471-475.	9.4	749
12	ALS/FTD Mutation-Induced Phase Transition of FUS Liquid Droplets and Reversible Hydrogels into Irreversible Hydrogels Impairs RNP Granule Function. Neuron, 2015, 88, 678-690.	3.8	716
13	FUS Phase Separation Is Modulated by a Molecular Chaperone and Methylation of Arginine Cation-Ï€ Interactions. Cell, 2018, 173, 720-734.e15.	13.5	662
14	Presenilin-1 mutations downregulate the signalling pathway of the unfolded-protein response. Nature Cell Biology, 1999, 1, 479-485.	4.6	519
15	Î³-Secretase, notch, AÎ² and alzheimer's disease: Where do the presenilins fit in?. Nature Reviews Neuroscience, 2002, 3, 281-290.	4.9	494
16	Candidate Single-Nucleotide Polymorphisms From a Genomewide Association Study of Alzheimer Disease. Archives of Neurology, 2008, 65, 45-53.	4.9	443
17	Rare coding variants in the phospholipase D3 gene confer risk for Alzheimerâ€™s disease. Nature, 2014, 505, 550-554.	13.7	425
18	Reversal of autophagy dysfunction in the TgCRND8 mouse model of Alzheimer's disease ameliorates amyloid pathologies and memory deficits. Brain, 2011, 134, 258-277.	3.7	394

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19	Meta-analysis Confirms CR1, CLU, and PICALM as Alzheimer Disease Risk Loci and Reveals Interactions With APOE Genotypes. Archives of Neurology, 2010, 67, 1473.	4.9	376
20	The Presenilin 1 Protein Is a Component of a High Molecular Weight Intracellular Complex That Contains Î²-Catenin. Journal of Biological Chemistry, 1998, 273, 16470-16475.	1.6	354
21	Cyclohexanehexol inhibitors of AÎ² aggregation prevent and reverse Alzheimer phenotype in a mouse model. Nature Medicine, 2006, 12, 801-808.	15.2	342
22	RNA Granules Hitchhike on Lysosomes for Long-Distance Transport, Using Annexin A11 as a Molecular Tether. Cell, 2019, 179, 147-164.e20.	13.5	327
23	Presenilin 1 Controls Î³-Secretase Processing of Amyloid Precursor Protein in Pre-Golgi Compartments of Hippocampal Neurons. Journal of Cell Biology, 1999, 147, 277-294.	2.3	305
24	Presenilin Proteins Undergo Heterogeneous Endoproteolysis between Thr291and Ala299and Occur as Stable N- and C-Terminal Fragments in Normal and Alzheimer Brain Tissue. Neurobiology of Disease, 1997, 3, 325-337.	2.1	304
25	Frontotemporal dementia and its subtypes: a genome-wide association study. Lancet Neurology, The, 2014, 13, 686-699.	4.9	302
26	TMP21 is a presenilin complex component that modulates Î³-secretase but not É›-secretase activity. Nature, 2006, 440, 1208-1212.	13.7	286
27	Wild-type PINK1 Prevents Basal and Induced Neuronal Apoptosis, a Protective Effect Abrogated by Parkinson Disease-related Mutations. Journal of Biological Chemistry, 2005, 280, 34025-34032.	1.6	284
28	Molecular genetics of Alzheimerâ€™s disease. Biological Psychiatry, 2000, 47, 183-199.	0.7	280
29	Phosphorylation, Subcellular Localization, and Membrane Orientation of the Alzheimer's Disease-associated Presenilins. Journal of Biological Chemistry, 1997, 272, 3590-3598.	1.6	268
30	Reentrant liquid condensate phase of proteins is stabilized by hydrophobic and non-ionic interactions. Nature Communications, 2021, 12, 1085.	5.8	245
31	Microbleed Topography, Leukoaraiosis, and Cognition in Probable Alzheimer Disease From the Sunnybrook Dementia Study. Archives of Neurology, 2008, 65, 790-5.	4.9	239
32	Early-onset Parkinson's disease caused by a compound heterozygous DJ-1 mutation. Annals of Neurology, 2003, 54, 271-274.	2.8	233
33	SPATACSIN mutations cause autosomal recessive juvenile amyotrophic lateral sclerosis. Brain, 2010, 133, 591-598.	3.7	227
34	C-terminal calcium binding of Î±-synuclein modulates synaptic vesicle interaction. Nature Communications, 2018, 9, 712.	5.8	223
35	In vivo reduction of amyloid-Â by a mutant copper transporter. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14193-14198.	3.3	217
36	Defective membrane interactions of familial Parkinsonâ€™s disease mutant A30P Î±-synuclein 1 1Edited by I. B. Holland. Journal of Molecular Biology, 2002, 315, 799-807.	2.0	213

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37	Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. Nature Genetics, 2021, 53, 294-303.	9.4	198
38	Investigating the genetic architecture of dementia with Lewy bodies: a two-stage genome-wide association study. Lancet Neurology, The, 2018, 17, 64-74.	4.9	195
39	Genetic analysis implicates APOE, SNCA and suggests lysosomal dysfunction in the etiology of dementia with Lewy bodies. Human Molecular Genetics, 2014, 23, 6139-6146.	1.4	178
40	Novel splicing mutation in the progranulin gene causing familial corticobasal syndrome. Brain, 2006, 129, 3115-3123.	3.7	174
41	Assessment of the genetic variance of late-onset Alzheimer's disease. Neurobiology of Aging, 2016, 41, 200.e13-200.e20.	1.5	174
42	Convergent genetic and expression data implicate immunity in Alzheimer's disease. Alzheimer's and Dementia, 2015, 11, 658-671.	0.4	173
43	Disturbed Activation of Endoplasmic Reticulum Stress Transducers by Familial Alzheimer's Disease-linked Presenilin-1 Mutations. Journal of Biological Chemistry, 2001, 276, 43446-43454.	1.6	170
44	Coding mutations in <scp>SORL</scp>1 and <scp>A</scp>lzheimer disease. Annals of Neurology, 2015, 77, 215-227.	2.8	168
45	Effects of Multiple Genetic Loci on Age at Onset in Late-Onset Alzheimer Disease. JAMA Neurology, 2014, 71, 1394.	4.5	166
46	Transethnic genomeâ€wide scan identifies novel Alzheimer's disease loci. Alzheimer's and Dementia, 2017, 13, 727-738.	0.4	166
47	Presenilin-Dependent Â-Secretase-Mediated Control of p53-Associated Cell Death in Alzheimer's Disease. Journal of Neuroscience, 2006, 26, 6377-6385.	1.7	164
48	Molecular biology and genetics of Alzheimer's disease. Comptes Rendus - Biologies, 2005, 328, 119-130.	0.1	163
49	Analysis of the PINK1 Gene in a Large Cohort of Cases With Parkinson Disease. Archives of Neurology, 2004, 61, 1898-904.	4.9	162
50	The Genetics of Adult-Onset Neuropsychiatric Disease: Complexities and Conundra?. Science, 2003, 302, 822-826.	6.0	160
51	Identification of Novel Loci for Alzheimer Disease and Replication of CLU, PICALM, and BIN1 in Caribbean Hispanic Individuals. Archives of Neurology, 2011, 68, 320-8.	4.9	160
52	Immunotherapy for Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14657-14662.	3.3	158
53	Gene-Wide Analysis Detects Two New Susceptibility Genes for Alzheimer's Disease. PLoS ONE, 2014, 9, e94661.	1.1	155
54	Meta-analysis of the Association Between Variants in SORL1 and Alzheimer Disease. Archives of Neurology, 2011, 68, 99.	4.9	153

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55	Extracellular Monomeric Tau Protein Is Sufficient to Initiate the Spread of Tau Protein Pathology. Journal of Biological Chemistry, 2014, 289, 956-967.	1.6	153
56	SORL1 Is Genetically Associated with Late-Onset Alzheimerâ€™s Disease in Japanese, Koreans and Caucasians. PLoS ONE, 2013, 8, e58618.	1.1	149
57	ALS mutations in FUS cause neuronal dysfunction and death in Caenorhabditis elegans by a dominant gain-of-function mechanism. Human Molecular Genetics, 2012, 21, 1-9.	1.4	148
58	Bilineal Disease and Trans-Heterozygotes in Autosomal Dominant Polycystic Kidney Disease. American Journal of Human Genetics, 2001, 68, 355-363.	2.6	146
59	The in Vivo Brain Interactome of the Amyloid Precursor Protein. Molecular and Cellular Proteomics, 2008, 7, 15-34.	2.5	143
60	Mature Glycosylation and Trafficking of Nicastrin Modulate Its Binding to Presenilins. Journal of Biological Chemistry, 2002, 277, 28135-28142.	1.6	142
61	AÎ²-degrading endopeptidase, neprilysin, in mouse brain: synaptic and axonal localization inversely correlating with AÎ² pathology. Neuroscience Research, 2002, 43, 39-56.	1.0	141
62	APH-1 Interacts with Mature and Immature Forms of Presenilins and Nicastrin and May Play a Role in Maturation of PresenilinÂ·Nicastrin Complexes. Journal of Biological Chemistry, 2003, 278, 7374-7380.	1.6	140
63	Identification of Alzheimer disease-associated variants in genes that regulate retromer function. Neurobiology of Aging, 2012, 33, 2231.e15-2231.e30.	1.5	135
64	Genotype-Renal Function Correlation in Type 2 Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2003, 14, 1164-1174.	3.0	129
65	Rare coding mutations identified by sequencing of <scp>A</scp>lzheimer disease genomeâ€wide association studies loci. Annals of Neurology, 2015, 78, 487-498.	2.8	126
66	The human NACP/Î±-synuclein gene: chromosome assignment to 4q21.3â€“q22 and TaqI RFLP analysis. Genomics, 1995, 26, 425-427.	1.3	120
67	<scp>TREM</scp> 2 shedding by cleavage at the H157â€S158 bond is accelerated for the Alzheimer's diseaseâ€associated H157Y variant. EMBO Molecular Medicine, 2017, 9, 1366-1378.	3.3	120
68	Mutations of PKD1 in ADPKD2 cysts suggest a pathogenic effect of trans-heterozygous mutations. Nature Genetics, 2000, 25, 143-144.	9.4	116
69	An Î±-2-macroglobulin insertion-deletion polymorphism in Alzheimer disease. Nature Genetics, 1999, 22, 19-21.	9.4	115
70	Elevated plasma triglyceride levels precede amyloid deposition in Alzheimerâ€™s disease mouse models with abundant AÎ² in plasma. Neurobiology of Disease, 2006, 24, 114-127.	2.1	112
71	Genome-Wide Linkage Scan of a Large Family with IgA Nephropathy Localizes a Novel Susceptibility Locus to Chromosome 2q36. Journal of the American Society of Nephrology: JASN, 2007, 18, 2408-2415.	3.0	112
72	Increased Production of Î²-Amyloid and Vulnerability to Endoplasmic Reticulum Stress by an Aberrant Spliced Form of Presenilin 2. Journal of Biological Chemistry, 2001, 276, 2108-2114.	1.6	111

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73	A comparison of neurological, metabolic, structural, and genetic evaluations in persons at risk for Huntington's disease. Annals of Neurology, 1990, 28, 614-621.	2.8	110
74	Analysis of the glucocerebrosidase gene in Parkinson's disease. Movement Disorders, 2005, 20, 367-370.	2.2	107
75	SORCS1 alters amyloid precursor protein processing and variants may increase Alzheimer's disease risk. Annals of Neurology, 2011, 69, 47-64.	2.8	104
76	Pyroglutamate-3 Amyloid-Î² Deposition in the Brains of Humans, Non-Human Primates, Canines, and Alzheimer Diseaseâ€“Like Transgenic Mouse Models. American Journal of Pathology, 2013, 183, 369-381.	1.9	102
77	Biomolecular condensates undergo a generic shear-mediated liquid-to-solid transition. Nature Nanotechnology, 2020, 15, 841-847.	15.6	101
78	Frontotemporal dementia with novel tau pathology and a Glu342Valtau mutation. Annals of Neurology, 2000, 48, 850-858.	2.8	97
79	ATP-binding Cassette Transporter A7 (ABCA7) Loss of Function Alters Alzheimer Amyloid Processing. Journal of Biological Chemistry, 2015, 290, 24152-24165.	1.6	96
80	Drug Repositioning for Alzheimerâ€™s Disease Based on Systematic â€˜omicsâ€™ Data Mining. PLoS ONE, 2016, 11, e0168812.	1.1	95
81	Presenilin 1 Mutations Activate Î³42-Secretase but Reciprocally Inhibit Îµ-Secretase Cleavage of Amyloid Precursor Protein (APP) and S3-Cleavage of Notch. Journal of Biological Chemistry, 2002, 277, 36521-36526.	1.6	94
82	Benign hereditary chorea: Clinical, genetic, and pathological findings. Annals of Neurology, 2003, 54, 244-247.	2.8	90
83	Hereditary Spastic Paraplegia. Archives of Neurology, 2004, 61, 849.	4.9	90
84	Therapeutic effects of remediating autophagy failure in a mouse model of Alzheimer disease by enhancing lysosomal proteolysis. Autophagy, 2011, 7, 788-789.	4.3	89
85	Investigation of C9orf72 in 4 Neurodegenerative Disorders. Archives of Neurology, 2012, 69, 1583.	4.9	89
86	Apolipoprotein E genotype in patients with alzheimer's disease: Implications for the risk of dementia among relatives. Annals of Neurology, 1995, 38, 797-808.	2.8	87
87	The effect of alcohol and tobacco consumption, and apolipoprotein E genotype, on the age of onset in Alzheimer's disease. International Journal of Geriatric Psychiatry, 2010, 25, 511-518.	1.3	87
88	Appoptosin-Mediated Caspase Cleavage of Tau Contributes to Progressive Supranuclear Palsy Pathogenesis. Neuron, 2015, 87, 963-975.	3.8	87
89	Mutation analysis ofCHCHD10in different neurodegenerative diseases. Brain, 2015, 138, e380-e380.	3.7	86
90	Intracellular oligomeric amyloid-beta rapidly regulates GluA1 subunit of AMPA receptor in the hippocampus. Scientific Reports, 2015, 5, 10934.	1.6	85

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91	Progressive Loss of Renal Function Is an Age-Dependent Heritable Trait in Type 1 Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2005, 16, 755-762.	3.0	84
92	Dissociated phenotypes in presenilin transgenic mice define functionally distinct Â-secretases. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8972-8977.	3.3	84
93	Presenilin structure, function and role in Alzheimer disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1502, 1-15.	1.8	83
94	Association between SORL1 and Alzheimer's disease in a genome-wide study. NeuroReport, 2007, 18, 1761-1764.	0.6	83
95	Rare Individual Amyloid-Î² Oligomers Act on Astrocytes to Initiate Neuronal Damage. Biochemistry, 2014, 53, 2442-2453.	1.2	83
96	Brain levels of CDK5 activator p25 are not increased in Alzheimer's or other neurodegenerative diseases with neurofibrillary tangles. Journal of Neurochemistry, 2003, 86, 572-581.	2.1	81
97	ALS5/SPG11/KIAA1840mutations cause autosomal recessive axonal Charcotâ€“Marieâ€“Tooth disease. Brain, 2016, 139, 73-85.	3.7	80
98	Homozygous inheritance of the Machado-Joseph disease gene. Annals of Neurology, 1994, 36, 443-447.	2.8	78
99	Group II Metabotropic Glutamate Receptor Stimulation Triggers Production and Release of Alzheimer's Amyloid Î²₄₂from Isolated Intact Nerve Terminals. Journal of Neuroscience, 2010, 30, 3870-3875.	1.7	78
100	Genome-wide analysis of genetic correlation in dementia with Lewy bodies, Parkinson's and Alzheimer's diseases. Neurobiology of Aging, 2016, 38, 214.e7-214.e10.	1.5	78
101	Both common variations and rare non-synonymous substitutions and small insertion/deletions in CLU are associated with increased Alzheimer risk. Molecular Neurodegeneration, 2012, 7, 3.	4.4	77
102	Molecular genetics of AlzheimerÊ¼s disease: the role of Î²-amyloid and the presenilins. Current Opinion in Neurology, 2000, 13, 377-384.	1.8	75
103	Single Molecule Characterization of the Interactions between Amyloid-Î² Peptides and the Membranes of Hippocampal Cells. Journal of the American Chemical Society, 2013, 135, 1491-1498.	6.6	75
104	Hypermethylation of the CpG-island near the C9orf72 G4C2-repeat expansion in FTLD patients. Human Molecular Genetics, 2014, 23, 5630-5637.	1.4	74
105	TET2 Regulates the Neuroinflammatory Response in Microglia. Cell Reports, 2019, 29, 697-713.e8.	2.9	74
106	Genetic association of CR1 with Alzheimer's disease: A tentative disease mechanism. Neurobiology of Aging, 2012, 33, 2949.e5-2949.e12.	1.5	72
107	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 645-653.	0.4	72
108	Carboxyl-terminal Fragments of Alzheimer Î²-Amyloid Precursor Protein Accumulate in Restricted and Unpredicted Intracellular Compartments in Presenilin 1-deficient Cells. Journal of Biological Chemistry, 2000, 275, 36794-36802.	1.6	71

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109	Will anti-amyloid therapies work for Alzheimer's disease?. Lancet, The, 2008, 372, 180-182.	6.3	71
110	Analysis of IFT74as a candidate gene for chromosome 9p-linked ALS-FTD. BMC Neurology, 2006, 6, 44.	0.8	70
111	Familial Alzheimer's disease: Progress and problems. Neurobiology of Aging, 1989, 10, 417-425.	1.5	69
112	Cloning and characterization of the Drosophila presenilin homologue. NeuroReport, 1997, 8, 1025-1029.	0.6	69
113	The Presenilin Proteins Are Components of Multiple Membrane-bound Complexes That Have Different Biological Activities. Journal of Biological Chemistry, 2004, 279, 31329-31336.	1.6	68
114	Cortical Neuronal and Glial Pathology in TgTauP301L Transgenic Mice. American Journal of Pathology, 2006, 169, 1365-1375.	1.9	68
115	Conversion to Dementia among Two Groups with Cognitive Impairment. Dementia and Geriatric Cognitive Disorders, 2004, 18, 307-313.	0.7	67
116	Vps10 Family Proteins and the Retromer Complex in Aging-Related Neurodegeneration and Diabetes. Journal of Neuroscience, 2012, 32, 14080-14086.	1.7	65
117	SORL1 mutations in early- and late-onset Alzheimer disease. Neurology: Genetics, 2016, 2, e116.	0.9	65
118	Three different mutations of presenilin 1 gene in early-onset Alzheimer's disease families. Neuroscience Letters, 1996, 208, 195-198.	1.0	64
119	Association studies of cholesterol metabolism genes (CH25H, ABCA1 and CH24H) in Alzheimer's disease. Neuroscience Letters, 2006, 391, 142-146.	1.0	64
120	The physiological and pathological biophysics of phase separation and gelation of RNA binding proteins in amyotrophic lateral sclerosis and fronto-temporal lobar degeneration. Brain Research, 2018, 1693, 11-23.	1.1	63
121	Loss of Î³-Secretase Function Impairs Endocytosis of Lipoprotein Particles and Membrane Cholesterol Homeostasis. Journal of Neuroscience, 2008, 28, 12097-12106.	1.7	62
122	Molecular genetic approaches to Alzheimer's disease. Trends in Neurosciences, 1989, 12, 152-158.	4.2	61
123	Association of Distinct Variants in SORL1 With Cerebrovascular and Neurodegenerative Changes Related to Alzheimer Disease. Archives of Neurology, 2008, 65, 1640.	4.9	60
124	Î´-Catenin Is Genetically and Biologically Associated with Cortical Cataract and Future Alzheimer-Related Structural and Functional Brain Changes. PLoS ONE, 2012, 7, e43728.	1.1	58
125	Structural Interactions between Inhibitor and Substrate Docking Sites Give Insight into Mechanisms of Human PS1 Complexes. Structure, 2014, 22, 125-135.	1.6	56
126	Current and future implications of basic and translational research on amyloid-Î² peptide production and removal pathways. Molecular and Cellular Neurosciences, 2015, 66, 3-11.	1.0	56

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127	Both the Sequence and Length of the C Terminus of PEN-2 Are Critical for Intermolecular Interactions and Function of Presenilin Complexes. Journal of Biological Chemistry, 2004, 279, 46455-46463.	1.6	55
128	Genetic complexity of Alzheimer's disease: Successes and challenges. Journal of Alzheimer's Disease, 2006, 9, 381-387.	1.2	55
129	Beta amyloid aggregates induce sensitised TLR4 signalling causing long-term potentiation deficit and ratÂneuronal cell death. Communications Biology, 2020, 3, 79.	2.0	55
130	p53-Dependent Transcriptional Control of Cellular Prion by Presenilins. Journal of Neuroscience, 2009, 29, 6752-6760.	1.7	54
131	Fâ€box/ <scp>LRR</scp> â€repeat protein 7 is genetically associated with Alzheimer's disease. Annals of Clinical and Translational Neurology, 2015, 2, 810-820.	1.7	54
132	Impaired conditioned taste aversion learning in APP transgenic mice. Neurobiology of Aging, 2004, 25, 1213-1219.	1.5	49
133	Cytosolic Proteins Regulate Î±-Synuclein Dissociation from Presynaptic Membranes. Journal of Biological Chemistry, 2006, 281, 32148-32155.	1.6	49
134	Genome-Wide Survey of Large Rare Copy Number Variants in Alzheimerâ€™s Disease Among Caribbean Hispanics. G3: Genes, Genomes, Genetics, 2012, 2, 71-78.	0.8	49
135	Genetic Variability in CHMP2B and Frontotemporal Dementia. Neurodegenerative Diseases, 2006, 3, 129-133.	0.8	47
136	Alzheimer Amyloid Peptide AÎ²42 Regulates Gene Expression of Transcription and Growth Factors. Journal of Alzheimer's Disease, 2015, 44, 613-624.	1.2	47
137	Integrative approach to sporadic Alzheimerâ€™s disease: deficiency of TYROBP in a tauopathy mouse model reduces C1q and normalizes clinical phenotype while increasing spread and state of phosphorylation of tau. Molecular Psychiatry, 2019, 24, 1383-1397.	4.1	46
138	Antibody clears senile plaques. Nature, 1999, 400, 116-117.	13.7	45
139	The Gene Encoding Nicastrin, a Major Î³-Secretase Component, Modifies Risk for Familial Early-Onset Alzheimer Disease in a Dutch Population-Based Sample. American Journal of Human Genetics, 2002, 70, 1568-1574.	2.6	45
140	Identification of the genetic locus for keratosis palmaris et plantaris on chromosome 17 near the RARA and keratin type I genes. Nature Genetics, 1993, 5, 158-162.	9.4	44
141	Random Mutagenesis of Presenilin-1 Identifies Novel Mutants Exclusively Generating Long Amyloid Î²-Peptides. Journal of Biological Chemistry, 2005, 280, 19070-19077.	1.6	42
142	Rarity of the Alzheimer Diseaseâ€“ProtectiveAPPA673T Variant in the United States. JAMA Neurology, 2015, 72, 209.	4.5	41
143	Epidemiology and genetics of frontotemporal dementia: a door-to-door survey in Southern Italy. Neurobiology of Aging, 2012, 33, 2948.e1-2948.e10.	1.5	40
144	Singleâ€Molecule Imaging Reveals that Small Amyloidâ€Î²_{1â€“42} Oligomers Interact with the Cellular Prion Protein (PrP^C). ChemBioChem, 2014, 15, 2515-2521.	1.3	40

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145	Association of Long Runs of Homozygosity With Alzheimer Disease Among African American Individuals. JAMA Neurology, 2015, 72, 1313.	4.5	39
146	APOEâ€µ4 associates with hippocampal volume, learning, and memory across the spectrum of Alzheimer's disease and dementia with Lewy bodies. Alzheimer's and Dementia, 2018, 14, 1137-1147.	0.4	39
147	Aberrant Presenilin-1 Expression Downregulates LDL Receptor-Related Protein (LRP): Is LRP Central to Alzheimer's Disease Pathogenesis?. Molecular and Cellular Neurosciences, 1999, 14, 129-140.	1.0	38
148	Recurrent fetal loss associated with bilineal inheritance of type 1 autosomal dominant polycystic kidney disease. American Journal of Kidney Diseases, 2002, 40, 16-20.	2.1	38
149	The levels of mature glycosylated nicastrin are regulated and correlate with Î³-secretase processing of amyloid Î²-precursor protein. Journal of Neurochemistry, 2002, 83, 1065-1071.	2.1	38
150	The γ /η-Secretase-Derived APP Intracellular Domain Fragments Regulate p53. Current Alzheimer Research, 2007, 4, 423-426.	0.7	38
151	Evidence of Recessive Alzheimer Disease Loci in a Caribbean Hispanic Data Set. JAMA Neurology, 2013, 70, 1261-7.	4.5	37
152	Gerstmann-StrÃussler-Scheinker Disease (PRNP P102L): Amyloid Deposits Are Best Recognized by Antibodies Directed to Epitopes in PrP Region 90-165. Journal of Neuropathology and Experimental Neurology, 1995, 54, 790-801.	0.9	36
153	No association between apolipoprotein E genotype and late-onset depression in Alzheimer's disease. Biological Psychiatry, 1997, 41, 246-248.	0.7	36
154	Splicing mutation of presenilin-1 gene for early-onset familial Alzheimer's disease. Human Mutation, 1998, 11, S91-S94.	1.1	36
155	Inhibiting Amyloid Precursor Protein C-terminal Cleavage Promotes an Interaction with Presenilin 1. Journal of Biological Chemistry, 2000, 275, 20794-20798.	1.6	36
156	Further examination of the candidate genes in chromosome 12p13 locus for late-onset Alzheimer disease. Neurogenetics, 2008, 9, 127-138.	0.7	36
157	Presenilin-1 Holoprotein is an Interacting Partner of Sarco Endoplasmic Reticulum Calcium-ATPase and Confers Resistance to Endoplasmic Reticulum Stress. Journal of Alzheimer's Disease, 2010, 20, 261-273.	1.2	36
158	Mutation analysis of patients with neurodegenerative disorders using NeuroX array. Neurobiology of Aging, 2015, 36, 545.e9-545.e14.	1.5	36
159	An exploration of cognitive subgroups in Alzheimerâ€™s disease. Journal of the International Neuropsychological Society, 2010, 16, 233-243.	1.2	35
160	Presenilin 1 and Presenilin 2 Have Differential Effects on the Stability and Maturation of Nicastrin in Mammalian Brain. Journal of Biological Chemistry, 2003, 278, 19974-19979.	1.6	34
161	Expanded Genomewide Scan Implicates a Novel Locus at 3q28 Among Caribbean Hispanics With Familial Alzheimer Disease. Archives of Neurology, 2006, 63, 1591.	4.9	34
162	Structural biology of presenilin 1 complexes. Molecular Neurodegeneration, 2014, 9, 59.	4.4	34

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163	Clinical and genetic study of a largeSPG4 Italian family. Movement Disorders, 2005, 20, 1055-1059.	2.2	33
164	Family reunion â€“ The ZIP/prion gene family. Progress in Neurobiology, 2011, 93, 405-420.	2.8	33
165	Early fear memory defects are associated with altered synaptic plasticity and molecular architecture in the TgCRND8 Alzheimer's disease mouse model. Journal of Comparative Neurology, 2014, 522, 2319-2335.	0.9	33
166	Wild-type sTREM2 blocks Aî² aggregation and neurotoxicity, but the Alzheimer's R47H mutant increases Aî² aggregation. Journal of Biological Chemistry, 2021, 296, 100631.	1.6	33
167	Proteolytic processing of presenilin-1 (PS-1) is not associated with Alzheimer's disease with or without PS-1 mutations. FEBS Letters, 1997, 418, 162-166.	1.3	32
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