Martin Dichgans

List of Publications by Year
in descending order

287 papers	45,407 citations	4146 87 h-index	2571 195 g-index
315 all docs	315 docs citations	315 times ranked	40518 citing authors

#	Article	IF	Citations
1	Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. Lancet Neurology, The, 2013, 12, 822-838.	10.2	3,919
2	Genome-wide association study identifies variants at CLU and PICALM associated with Alzheimer's disease. Nature Genetics, 2009, 41, 1088-1093.	21.4	2,697
3	Global, regional, and national burden of stroke and its risk factors, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet Neurology, The, 2021, 20, 795-820.	10.2	2,308
4	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.	21.4	1,962
5	Common variants at ABCA7, MS4A6A/MS4A4E, EPHA1, CD33 and CD2AP are associated with Alzheimer's disease. Nature Genetics, 2011, 43, 429-435.	21.4	1,708
6	National Institute of Neurological Disorders and Strokeâ€“Canadian Stroke Network Vascular Cognitive Impairment Harmonization Standards. Stroke, 2006, 37, 2220-2241.	2.0	1,445
7	Mechanisms of sporadic cerebral small vessel disease: insights from neuroimaging. Lancet Neurology, The, 2013, 12, 483-497.	10.2	1,269
8	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. Nature Genetics, 2018, 50, 524-537.	21.4	1,124
9	Analysis of shared heritability in common disorders of the brain. Science, 2018, 360, .	12.6	1,085
10	CADASIL. Lancet Neurology, The, 2009, 8, 643-653.	10.2	939
11	Small vessel disease: mechanisms and clinical implications. Lancet Neurology, The, 2019, 18, 684-696.	10.2	853
12	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. Nature Genetics, 2017, 49, 1373-1384.	21.4	783
13	Mutation in the neuronal voltage-gated sodium channel SCN1A in familial hemiplegic migraine. Lancet, The, 2005, 366, 371-377.	13.7	760
14	New insights into the genetic etiology of Alzheimerâ€™s disease and related dementias. Nature Genetics, 2022, 54, 412-436.	21.4	700
15	Multi-ethnic genome-wide association study for atrial fibrillation. Nature Genetics, 2018, 50, 1225-1233.	21.4	552
16	Microbiota Dysbiosis Controls the Neuroinflammatory Response after Stroke. Journal of Neuroscience, 2016, 36, 7428-7440.	3.6	530
17	Meta-analysis of 375,000 individuals identifies 38 susceptibility loci for migraine. Nature Genetics, 2016, 48, 856-866.	21.4	520
18	Vascular dysfunctionâ€”The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.8	454

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19	Genetic risk factors for ischaemic stroke and its subtypes (the METASTROKE Collaboration): a meta-analysis of genome-wide association studies. Lancet Neurology, The, 2012, 11, 951-962.	10.2	445
20	A sequence variant in ZFHX3 on 16q22 associates with atrial fibrillation and ischemic stroke. Nature Genetics, 2009, 41, 876-878.	21.4	434
21	Vascular Cognitive Impairment. Circulation Research, 2017, 120, 573-591.	4.5	385
22	Vascular Cognitive Impairment andÂDementia. Journal of the American College of Cardiology, 2019, 73, 3326-3344.	2.8	384
23	The global burden of neurological disorders: translating evidence into policy. Lancet Neurology, The, 2020, 19, 255-265.	10.2	377
24	Genome-wide association study identifies a variant in HDAC9 associated with large vessel ischemic stroke. Nature Genetics, 2012, 44, 328-333.	21.4	375
25	Genetics of ischaemic stroke. Lancet Neurology, The, 2007, 6, 149-161.	10.2	364
26	Genetic Evidence Implicates the Immune System and Cholesterol Metabolism in the Aetiology of Alzheimer's Disease. PLoS ONE, 2010, 5, e13950.	2.5	347
27	Genome-wide meta-analysis identifies new susceptibility loci for migraine. Nature Genetics, 2013, 45, 912-917.	21.4	338
28	Genome-wide association study of migraine implicates a common susceptibility variant on 8q22.1. Nature Genetics, 2010, 42, 869-873.	21.4	332
29	Genetic Heritability of Ischemic Stroke and the Contribution of Previously Reported Candidate Gene and Genomewide Associations. Stroke, 2012, 43, 3161-3167.	2.0	329
30	Action Plan for Stroke in Europe 2018â€“2030. European Stroke Journal, 2018, 3, 309-336.	5.5	311
31	Shared Genetic Susceptibility to Ischemic Stroke and Coronary Artery Disease. Stroke, 2014, 45, 24-36.	2.0	302
32	Clinical Characteristics and Frequency of the Hereditary Restless Legs Syndrome in a Population of 300 Patients. Sleep, 2000, 23, 1-6.	1.1	299
33	Genome-wide association analysis identifies susceptibility loci for migraine without aura. Nature Genetics, 2012, 44, 777-782.	21.4	294
34	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. Nature Genetics, 2017, 49, 946-952.	21.4	279
35	Defining Optimal Brain Health in Adults: A Presidential Advisory From the American Heart Association/American Stroke Association. Stroke, 2017, 48, e284-e303.	2.0	279
36	Risk variants for atrial fibrillation on chromosome 4q25 associate with ischemic stroke. Annals of Neurology, 2008, 64, 402-409.	5.3	253

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37	A Novel Imaging Marker for Small Vessel Disease Based on Skeletonization of White Matter Tracts and Diffusion Histograms. Annals of Neurology, 2016, 80, 581-592.	5.3	250
38	Meta-analysis of Genome-wide Association Studies Identifies 1q22 as a Susceptibility Locus for Intracerebral Hemorrhage. American Journal of Human Genetics, 2014, 94, 511-521.	6.2	235
39	Donepezil in patients with subcortical vascular cognitive impairment: a randomised double-blind trial in CADASIL. Lancet Neurology, The, 2008, 7, 310-318.	10.2	229
40	Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL) as a model of small vessel disease: update on clinical, diagnostic, and management aspects. BMC Medicine, 2017, 15, 41.	5.5	212
41	RNA-Seq Identifies Circulating miR-125a-5p, miR-125b-5p, and miR-143-3p as Potential Biomarkers for Acute Ischemic Stroke. Circulation Research, 2017, 121, 970-980.	4.5	210
42	Preventing dementia by preventing stroke: The Berlin Manifesto. Alzheimer's and Dementia, 2019, 15, 961-984.	0.8	200
43	Sequence variants on chromosome 9p21.3 confer risk for atherosclerotic stroke. Annals of Neurology, 2009, 65, 531-539.	5.3	199
44	Short-Chain Fatty Acids Improve Poststroke Recovery via Immunological Mechanisms. Journal of Neuroscience, 2020, 40, 1162-1173.	3.6	199
45	Common variation in PHACTR1 is associated with susceptibility to cervical artery dissection. Nature Genetics, 2015, 47, 78-83.	21.4	195
46	Increased soluble TREM2 in cerebrospinal fluid is associated with reduced cognitive and clinical decline in Alzheimerâ€™s disease. Science Translational Medicine, 2019, 11, .	12.4	192
47	Incident subcortical infarcts induce focal thinning in connected cortical regions. Neurology, 2012, 79, 2025-2028.	1.1	189
48	Post-Stroke Cognitive Impairment and Dementia. Circulation Research, 2022, 130, 1252-1271.	4.5	188
49	Integrating Genetic, Transcriptional, and Functional Analyses to Identify 5 Novel Genes for Atrial Fibrillation. Circulation, 2014, 130, 1225-1235.	1.6	183
50	Blood pressure and haemoglobin A1c are associated with microhaemorrhage in CADASIL: a two-centre cohort study. Brain, 2006, 129, 2375-2383.	7.6	176
51	Convergent genetic and expression data implicate immunity in Alzheimer's disease. Alzheimer's and Dementia, 2015, 11, 658-671.	0.8	173
52	Consensus statement for diagnosis of subcortical small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 6-25.	4.3	173
53	The Boston criteria version 2.0 for cerebral amyloid angiopathy: a multicentre, retrospective, MRIâ€“neuropathology diagnostic accuracy study. Lancet Neurology, The, 2022, 21, 714-725.	10.2	168
54	WMH and long-term outcomes in ischemic stroke. Neurology, 2019, 92, e1298-e1308.	1.1	163

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55	Genome-wide association study of intracranial aneurysms identifies 17 risk loci and genetic overlap with clinical risk factors. Nature Genetics, 2020, 52, 1303-1313.	21.4	163
56	Genetic risk, incident stroke, and the benefits of adhering to a healthy lifestyle: cohort study of 306â€‰473 UK Biobank participants. BMJ: British Medical Journal, 2018, 363, k4168.	2.3	161
57	Common variants at 6p21.1 are associated with large artery atherosclerotic stroke. Nature Genetics, 2012, 44, 1147-1151.	21.4	152
58	Acute infarcts cause focal thinning in remote cortex via degeneration of connecting fiber tracts. Neurology, 2015, 84, 1685-1692.	1.1	152
59	Microbiota-derived short chain fatty acids modulate microglia and promote AÎ² plaque deposition. ELife, 2021, 10, .	6.0	148
60	HeterozygousHTRA1mutations are associated with autosomal dominant cerebral small vessel disease. Brain, 2015, 138, 2347-2358.	7.6	147
61	Genetically Determined Levels of Circulating Cytokines and Risk of Stroke. Circulation, 2019, 139, 256-268.	1.6	147
62	Ischemic stroke is associated with the ABO locus: The EuroCLOT study. Annals of Neurology, 2013, 73, 16-31.	5.3	144
63	Low-frequency and common genetic variation in ischemic stroke. Neurology, 2016, 86, 1217-1226.	1.1	141
64	Genetic Association Studies in Stroke. Stroke, 2005, 36, 2027-2031.	2.0	140
65	Common variants in Alzheimerâ€™s disease and risk stratification by polygenic risk scores. Nature Communications, 2021, 12, 3417.	12.8	140
66	Causal Assessment of Serum Urate Levels inÂCardiometabolic Diseases Through a Mendelian Randomization Study. Journal of the American College of Cardiology, 2016, 67, 407-416.	2.8	138
67	Stroke genetics: discovery, biology, and clinical applications. Lancet Neurology, The, 2019, 18, 587-599.	10.2	138
68	Serum neurofilament light. Neurology, 2018, 91, e1338-e1347.	1.1	137
69	Genome-wide analysis of 102,084 migraine cases identifies 123 risk loci and subtype-specific risk alleles. Nature Genetics, 2022, 54, 152-160.	21.4	135
70	Quantifying bloodâ€brain barrier leakage in small vessel disease: Review and consensus recommendations. Alzheimer's and Dementia, 2019, 15, 840-858.	0.8	134
71	Identification of additional risk loci for stroke and small vessel disease: a meta-analysis of genome-wide association studies. Lancet Neurology, The, 2016, 15, 695-707.	10.2	130
72	Multiethnic Meta-Analysis of Genome-Wide Association Studies in >100 000 Subjects Identifies 23 Fibrinogen-Associated Loci but No Strong Evidence of a Causal Association Between Circulating Fibrinogen and Cardiovascular Disease. Circulation, 2013, 128, 1310-1324.	1.6	128

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73	Pericytes are involved in the pathogenesis of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy. Annals of Neurology, 2015, 78, 887-900.	5.3	127
74	Genomic risk score offers predictive performance comparable to clinical risk factors for ischaemic stroke. Nature Communications, 2019, 10, 5819.	12.8	124
75	R2* mapping for brain iron: associations with cognition in normal aging. Neurobiology of Aging, 2015, 36, 925-932.	3.1	122
76	Tackling challenges in care of Alzheimer's disease and other dementias amid the COVIDâ€19 pandemic, now and in the future. Alzheimer's and Dementia, 2020, 16, 1571-1581.	0.8	122
77	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. Nature Communications, 2018, 9, 5141.	12.8	119
78	Early MoCA predicts long-term cognitive and functional outcome and mortality after stroke. Neurology, 2018, 91, e1838-e1850.	1.1	119
79	Strategic white matter tracts for processing speed deficits in age-related small vessel disease. Neurology, 2014, 82, 1946-1950.	1.1	116
80	Left frontal cortex connectivity underlies cognitive reserve in prodromal Alzheimer disease. Neurology, 2017, 88, 1054-1061.	1.1	116
81	Cerebral small vessel disease-related protease HtrA1 processes latent TGF-Î² binding protein 1 and facilitates TGF-Î² signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16496-16501.	7.1	114
82	Cystatin C and Cardiovascular Disease. Journal of the American College of Cardiology, 2016, 68, 934-945.	2.8	109
83	Free water determines diffusion alterations and clinical status in cerebral small vessel disease. Alzheimer's and Dementia, 2018, 14, 764-774.	0.8	108
84	Genome-wide association analysis of self-reported events in 6135 individuals and 252 827 controls identifies 8 loci associated with thrombosis. Human Molecular Genetics, 2016, 25, 1867-1874.	2.9	103
85	High-risk plaque features can be detected in non-stenotic carotid plaques of patients with ischaemic stroke classified as cryptogenic using combined 18F-FDG PET/MR imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 270-279.	6.4	103
86	Absence of the Autophagy Adaptor SQSTM1/p62 Causes Childhood-Onset Neurodegeneration with Ataxia, Dystonia, and Gaze Palsy. American Journal of Human Genetics, 2016, 99, 735-743.	6.2	99
87	Use of Genetic Variants Related to Antihypertensive Drugs to Inform on Efficacy and Side Effects. Circulation, 2019, 140, 270-279.	1.6	99
88	Divergent sodium channel defects in familial hemiplegic migraine. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9799-9804.	7.1	97
89	CADASIL: A Monogenic Condition Causing Stroke and Subcortical Vascular Dementia. Cerebrovascular Diseases, 2002, 13, 37-41.	1.7	95
90	Genetic basis of lacunar stroke: a pooled analysis of individual patient data and genome-wide association studies. Lancet Neurology, The, 2021, 20, 351-361.	10.2	95

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91	Validation of the Telephone Interview of Cognitive Status and Telephone Montreal Cognitive Assessment Against Detailed Cognitive Testing and Clinical Diagnosis of Mild Cognitive Impairment After Stroke. Stroke, 2017, 48, 2952-2957.	2.0	94
92	Prevention of Vascular Cognitive Impairment. Stroke, 2012, 43, 3137-3146.	2.0	92
93	Shared genetic basis for migraine and ischemic stroke. Neurology, 2015, 84, 2132-2145.	1.1	91
94	Genome-wide meta-analysis of cerebral white matter hyperintensities in patients with stroke. Neurology, 2016, 86, 146-153.	1.1	91
95	A high-density association screen of 155 ion transport genes for involvement with common migraine. Human Molecular Genetics, 2008, 17, 3318-3331.	2.9	90
96	Interleukin-6 Signaling Effects on Ischemic Stroke and Other Cardiovascular Outcomes. Circulation Genomic and Precision Medicine, 2020, 13, e002872.	3.6	90
97	Detection of Deleterious On-Target Effects after HDR-Mediated CRISPR Editing. Cell Reports, 2020, 31, 107689.	6.4	90
98	Mendelian randomization for studying the effects of perturbing drug targets. Wellcome Open Research, 2021, 6, 16.	1.8	90
99	The novel p.L1649Q mutation in theSCN1Aepilepsy gene is associated with familial hemiplegic migraine: genetic and functional studies. Human Mutation, 2007, 28, 522-522.	2.5	89
100	Meta-analysis in more than 17,900 cases of ischemic stroke reveals a novel association at 12q24.12. Neurology, 2014, 83, 678-685.	1.1	89
101	Current concepts and clinical applications of stroke genetics. Lancet Neurology, The, 2014, 13, 405-418.	10.2	86
102	Patient-centered connectivity-based prediction of tau pathology spread in Alzheimerâ€™s disease. Science Advances, 2020, 6, .	10.3	86
103	Neuroimmune cardiovascular interfaces control atherosclerosis. Nature, 2022, 605, 152-159.	27.8	86
104	Left frontal hub connectivity delays cognitive impairment in autosomal-dominant and sporadic Alzheimerâ€™s disease. Brain, 2018, 141, 1186-1200.	7.6	83
105	METACOHORTS for the study of vascular disease and its contribution to cognitive decline and neurodegeneration: An initiative of the Joint Programme for Neurodegenerative Disease Research. Alzheimer's and Dementia, 2016, 12, 1235-1249.	0.8	82
106	Serum Neurofilament Light Chain Levels Are Related to Small Vessel Disease Burden. Journal of Stroke, 2018, 20, 228-238.	3.2	82
107	Predictors of Clinical Worsening in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. Stroke, 2016, 47, 4-11.	2.0	81
108	Reproducibility and variability of quantitative magnetic resonance imaging markers in cerebral small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1319-1337.	4.3	80

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109	Midlife vascular risk factors and risk of incident dementia: Longitudinal cohort and Mendelian randomization analyses in the UK Biobank. Alzheimer's and Dementia, 2021, 17, 1422-1431.	0.8	80
110	Diverse Functional Consequences of Mutations in the Na+/K+-ATPase Î±2-Subunit Causing Familial Hemiplegic Migraine Type 2. Journal of Biological Chemistry, 2008, 283, 31097-31106.	3.4	79
111	Genomeâ€wide metaâ€analysis identifies 3 novel loci associated with stroke. Annals of Neurology, 2018, 84, 934-939.	5.3	79
112	Circulating Monocyte Chemoattractant Protein-1 and Risk of Stroke. Circulation Research, 2019, 125, 773-782.	4.5	78
113	Genome-wide association study of cerebral small vessel disease reveals established and novel loci. Brain, 2019, 142, 3176-3189.	7.6	76
114	Mendelian Randomization Study of Obesity and Cerebrovascular Disease. Annals of Neurology, 2020, 87, 516-524.	5.3	76
115	A Novel MMP12 Locus Is Associated with Large Artery Atherosclerotic Stroke Using a Genome-Wide Age-at-Onset Informed Approach. PLoS Genetics, 2014, 10, e1004469.	3.5	75
116	Deficiency of the Stroke Relevant HDAC9 Gene Attenuates Atherosclerosis in Accord With Allele-Specific Effects at 7p21.1. Stroke, 2015, 46, 197-202.	2.0	73
117	Prevalence and characteristics of migraine in CADASIL. Cephalalgia, 2016, 36, 1038-1047.	3.9	73
118	Genetic variation at 16q24.2 is associated with small vessel stroke. Annals of Neurology, 2017, 81, 383-394.	5.3	73
119	Higher CSF sTREM2 and microglia activation are associated with slower rates of betaâ€amyloid accumulation. EMBO Molecular Medicine, 2020, 12, e12308.	6.9	73
120	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. Stroke, 2020, 51, 2111-2121.	2.0	71
121	Advances in Genomic Analysis of Stroke. Stroke, 2010, 41, 825-832.	2.0	70
122	Cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy. Journal of the Neurological Sciences, 2002, 203-204, 77-80.	0.6	67
123	Segregation of functional networks is associated with cognitive resilience in Alzheimerâ€™s disease. Brain, 2021, 144, 2176-2185.	7.6	66
124	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 191-204.	2.4	65
125	Moyamoya Disease Susceptibility Variant RNF213 p.R4810K Increases the Risk of Ischemic Stroke Attributable to Large-Artery Atherosclerosis. Circulation, 2019, 139, 295-298.	1.6	64
126	Complicated Carotid Artery Plaques as a Cause of Cryptogenic Stroke. Journal of the American College of Cardiology, 2020, 76, 2212-2222.	2.8	64

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127	Histone Deacetylase 9 Activates IKK to Regulate Atherosclerotic Plaque Vulnerability. Circulation Research, 2020, 127, 811-823.	4.5	64
128	Meta-Analysis of Genome-Wide Association Studies Identifies Genetic Risk Factors for Stroke in African Americans. Stroke, 2015, 46, 2063-2068.	2.0	63
129	Cognitive reserve moderates the association between functional network anti-correlations and memory in MCI. Neurobiology of Aging, 2017, 50, 152-162.	3.1	63
130	Common Variant Burden Contributes to the Familial Aggregation of Migraine in 1,589 Families. Neuron, 2018, 98, 743-753.e4.	8.1	63
131	Genetic Study of White Matter Integrity in UK Biobank (N=8448) and the Overlap With Stroke, Depression, and Dementia. Stroke, 2018, 49, 1340-1347.	2.0	63
132	Identification of a strategic brain network underlying processing speed deficits in vascular cognitive impairment. NeuroImage, 2013, 66, 177-183.	4.2	62
133	Predicting Stroke Through Genetic Risk Functions. Stroke, 2014, 45, 403-412.	2.0	62
134	Genetic analysis for a shared biological basis between migraine and coronary artery disease. Neurology: Genetics, 2015, 1, e10.	1.9	61
135	The BDNFVal66Met SNP modulates the association between beta-amyloid and hippocampal disconnection in Alzheimerâ€™s disease. Molecular Psychiatry, 2021, 26, 614-628.	7.9	61
136	Genetically determined blood pressure, antihypertensive drug classes, and risk of stroke subtypes. Neurology, 2020, 95, e353-e361.	1.1	60
137	Targeting the CCL2â€“CCR2 axis for atheroprotection. European Heart Journal, 2022, 43, 1799-1808.	2.2	60
138	Diabetes Mellitus, Glycemic Traits, and Cerebrovascular Disease. Neurology, 2021, 96, e1732-e1742.	1.1	59
139	Tau-PET and in vivo Braak-staging as prognostic markers of future cognitive decline in cognitively normal to demented individuals. Alzheimer's Research and Therapy, 2021, 13, 137.	6.2	59
140	COL4A2 is associated with lacunar ischemic stroke and deep ICH. Neurology, 2017, 89, 1829-1839.	1.1	58
141	Post-injury immunosuppression and secondary infections are caused by an AIM2 inflammasome-driven signaling cascade. Immunity, 2021, 54, 648-659.e8.	14.3	57
142	Multilocus Genetic Risk Score Associates With Ischemic Stroke in Caseâ€“Control and Prospective Cohort Studies. Stroke, 2014, 45, 394-402.	2.0	56
143	Relationship Between Blood Pressure and Incident Cardiovascular Disease: Linear and Nonlinear Mendelian Randomization Analyses. Hypertension, 2021, 77, 2004-2013.	2.7	55
144	Education modifies the relation of vascular pathology to cognitive function: cognitive reserve in cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy. Neurobiology of Aging, 2013, 34, 400-407.	3.1	54

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145	Sequestration of latent TGF-Î² binding protein 1 into CADASIL-related Notch3-ECD deposits. Acta Neuropathologica Communications, 2014, 2, 96.	5.2	54
146	Genome-Wide Association Analysis of Young-Onset Stroke Identifies a Locus on Chromosome 10q25 Near HABP2. Stroke, 2016, 47, 307-316.	2.0	54
147	CADASIL brain vessels show a HTRA1 loss-of-function profile. Acta Neuropathologica, 2018, 136, 111-125.	7.7	54
148	Brain-released alarmins and stress response synergize in accelerating atherosclerosis progression after stroke. Science Translational Medicine, 2018, 10, .	12.4	54
149	Genome-Wide Association Study of Vascular Dementia. Stroke, 2012, 43, 315-319.	2.0	51
150	Genetic determinants of blood lipids and cerebral small vessel disease: role of high-density lipoprotein cholesterol. Brain, 2020, 143, 597-610.	7.6	51
151	Association of MTHFR C677T Genotype With Ischemic Stroke Is Confined to Cerebral Small Vessel Disease Subtype. Stroke, 2016, 47, 646-651.	2.0	50
152	In vivo widefield calcium imaging of the mouse cortex for analysis of network connectivity in health and brain disease. NeuroImage, 2019, 199, 570-584.	4.2	50
153	Prevalence of cortical superficial siderosis in patients with cognitive impairment. Journal of Neurology, 2014, 261, 277-282.	3.6	49
154	Tractâ€specific white matter hyperintensities disrupt neural network function in Alzheimer's disease. Alzheimer's and Dementia, 2017, 13, 225-235.	0.8	49
155	Broad phenotype of cysteine-altering NOTCH3 variants in UK Biobank. Neurology, 2020, 95, e1835-e1843.	1.1	49
156	A genome-wide cross-phenotype meta-analysis of the association of blood pressure with migraine. Nature Communications, 2020, 11, 3368.	12.8	49
157	Impact of regional cortical and subcortical changes on processing speed in cerebral small vessel disease. NeuroImage: Clinical, 2013, 2, 854-861.	2.7	48
158	A prospective study of serum metabolites and risk of ischemic stroke. Neurology, 2019, 92, e1890-e1898.	1.1	48
159	Mendelian randomization for studying the effects of perturbing drug targets. Wellcome Open Research, 2021, 6, 16.	1.8	48
160	Monocyte-Chemoattractant Protein-1 Levels in Human Atherosclerotic Lesions Associate With Plaque Vulnerability. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2038-2048.	2.4	48
161	Gene-based pleiotropy across migraine with aura and migraine without aura patient groups. Cephalalgia, 2016, 36, 648-657.	3.9	47
162	Genetic variation in PLEKHG1 is associated with white matter hyperintensities (n = 11,226). Neurology, 2019, 92, e749-e757.	1.1	47

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163	Prioritizing the Role of Major Lipoproteins and Subfractions as Risk Factors for Peripheral Artery Disease. Circulation, 2021, 144, 353-364.	1.6	47
164	Cysteine-Sparing CADASIL Mutations in NOTCH3 Show Proaggregatory Properties In Vitro. Stroke, 2015, 46, 786-792.	2.0	46
165	Pathogenic Ischemic Stroke Phenotypes in the NINDS-Stroke Genetics Network. Stroke, 2014, 45, 3589-3596.	2.0	45
166	Human Validation of Genes Associated With a Murine Atherosclerotic Phenotype. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1240-1246.	2.4	44
167	17q25 Locus Is Associated With White Matter Hyperintensity Volume in Ischemic Stroke, But Not With Lacunar Stroke Status. Stroke, 2013, 44, 1609-1615.	2.0	42
168	Systematic re-evaluation of genes from candidate gene association studies in migraine using a large genome-wide association data set. Cephalalgia, 2016, 36, 604-614.	3.9	41
169	STROKOG (stroke and cognition consortium): An international consortium to examine the epidemiology, diagnosis, and treatment of neurocognitive disorders in relation to cerebrovascular disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 7, 11-23.	2.4	41
170	Cortical Superficial Siderosis in Different Types of Cerebral Small Vessel Disease. Stroke, 2017, 48, 1404-1407.	2.0	40
171	Inhibition of atherogenesis by the COP9 signalosome subunit 5 in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2766-E2775.	7.1	40
172	Prognostic relevance of cortical superficial siderosis in cerebral amyloid angiopathy. Neurology, 2019, 92, e792-e801.	1.1	40
173	The Atherosclerosis Risk Variant rs2107595 Mediates Allele-Specific Transcriptional Regulation of HDAC9 via E2F3 and Rb1. Stroke, 2019, 50, 2651-2660.	2.0	38
174	Circadian Biology and Stroke. Stroke, 2021, 52, 2180-2190.	2.0	38
175	Cognition in CADASIL. Stroke, 2009, 40, S45-7.	2.0	37
176	Small vessel disease more than Alzheimer's disease determines diffusion MRI alterations in memory clinic patients. Alzheimer's and Dementia, 2020, 16, 1504-1514.	0.8	35
177	Association of Circulating Monocyte Chemoattractant Proteinâ€“1 Levels With Cardiovascular Mortality. JAMA Cardiology, 2021, 6, 587.	6.1	35
178	Magnetization Transfer Ratio Relates to Cognitive Impairment in Normal Elderly. Frontiers in Aging Neuroscience, 2014, 6, 263.	3.4	34
179	Genetic Overlap Between Diagnostic Subtypes of Ischemic Stroke. Stroke, 2015, 46, 615-619.	2.0	34
180	Cross-trait analyses with migraine reveal widespread pleiotropy and suggest a vascular component to migraine headache. International Journal of Epidemiology, 2020, 49, 1022-1031.	1.9	34

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