Hugh S Markus

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7082552/publications.pdf

Version: 2024-02-01

140 papers	13,265 citations	23500 58 h-index	25716 108 g-index
144 all docs	144 docs citations	144 times ranked	17708 citing authors

#	Article	IF	Citations
1	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. Nature Genetics, 2018, 50, 524-537.	9.4	1,124
2	Dual Antiplatelet Therapy With Clopidogrel and Aspirin in Symptomatic Carotid Stenosis Evaluated Using Doppler Embolic Signal Detection. Circulation, 2005, 111, 2233-2240.	1.6	704
3	Vascular dysfunctionâ€"The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.4	454
4	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.	4.9	445
5	Clinical Significance of Magnetic Resonance Imaging Markers of Vascular Brain Injury. JAMA Neurology, 2019, 76, 81.	4.5	390
6	Asymptomatic embolisation for prediction of stroke in the Asymptomatic Carotid Emboli Study (ACES): a prospective observational study. Lancet Neurology, The, 2010, 9, 663-671.	4.9	388
7	Genome-wide association study identifies a variant in HDAC9 associated with large vessel ischemic stroke. Nature Genetics, 2012, 44, 328-333.	9.4	375
8	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. Nature Genetics, 2016, 48, 1171-1184.	9.4	362
9	Stroke in COVID-19: A systematic review and meta-analysis. International Journal of Stroke, 2021, 16, 137-149.	2.9	359
10	Genetic Heritability of Ischemic Stroke and the Contribution of Previously Reported Candidate Gene and Genomewide Associations. Stroke, 2012, 43, 3161-3167.	1.0	329
11	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. Nature Genetics, 2016, 48, 1151-1161.	9.4	261
12	Structural network efficiency is associated with cognitive impairment in small-vessel disease. Neurology, 2014, 83, 304-311.	1.5	242
13	Risk factor profile of cerebral small vessel disease and its subtypes. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 78, 702-706.	0.9	225
14	Inflammation and cerebral small vessel disease: A systematic review. Ageing Research Reviews, 2019, 53, 100916.	5.0	213
15	Cerebral small vessel disease: Capillary pathways to stroke and cognitive decline. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 302-325.	2.4	211
16	Common variation in PHACTR1 is associated with susceptibility to cervical artery dissection. Nature Genetics, 2015, 47, 78-83.	9.4	195
17	The influence of genetic and cardiovascular risk factors on the CADASIL phenotype. Brain, 2004, 127, 2031-2038.	3.7	184
18	Clinical Spectrum of CADASIL and the Effect of Cardiovascular Risk Factors on Phenotype. Stroke, 2010, 41, 630-634.	1.0	180

#	Article	IF	Citations
19	Germline selection shapes human mitochondrial DNA diversity. Science, 2019, 364, .	6.0	178
20	An Examination of Polygenic Score Risk Prediction in Individuals With First-Episode Psychosis. Biological Psychiatry, 2017, 81, 470-477.	0.7	176
21	Markers of Endothelial and Hemostatic Activation and Progression of Cerebral White Matter Hyperintensities. Stroke, 2005, 36, 1410-1414.	1.0	164
22	Differing association of alcohol consumption with different stroke types: a systematic review and meta-analysis. BMC Medicine, 2016, 14, 178.	2.3	158
23	Common variants at 6p21.1 are associated with large artery atherosclerotic stroke. Nature Genetics, 2012, 44, 1147-1151.	9.4	152
24	Posterior circulation ischaemic stroke and transient ischaemic attack: diagnosis, investigation, and secondary prevention. Lancet Neurology, The, 2013, 12, 989-998.	4.9	150
25	Investigating the Causal Relationship of C-Reactive Protein with 32 Complex Somatic and Psychiatric Outcomes: A Large-Scale Cross-Consortium Mendelian Randomization Study. PLoS Medicine, 2016, 13, e1001976.	3.9	150
26	Stroke Risk After Posterior Circulation Stroke/Transient Ischemic Attack and its Relationship to Site of Vertebrobasilar Stenosis. Stroke, 2013, 44, 598-604.	1.0	146
27	Low-frequency and common genetic variation in ischemic stroke. Neurology, 2016, 86, 1217-1226.	1.5	141
28	Differences in Stroke Subtypes Between Black and White Patients With Stroke. Circulation, 2007, 116, 2157-2164.	1.6	135
29	Multimodal MRI in Cerebral Small Vessel Disease. Stroke, 2008, 39, 1999-2005.	1.0	135
30	Role of Blood Lipids in the Development of Ischemic Stroke and its Subtypes. Stroke, 2018, 49, 820-827.	1.0	132
31	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.	4.9	130
32	Differential relationships between apathy and depression with white matter microstructural changes and functional outcomes. Brain, 2015, 138, 3803-3815.	3.7	126
33	Early-onset and delayed-onset poststroke dementia â€" revisiting the mechanisms. Nature Reviews Neurology, 2017, 13, 148-159.	4.9	123
34	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. Nature Communications, 2018, 9, 5141.	5.8	119
35	Stenting for symptomatic vertebral artery stenosis. Neurology, 2017, 89, 1229-1236.	1.5	116
36	Mechanisms of Cognitive Impairment in Cerebral Small Vessel Disease: Multimodal MRI Results from the St George's Cognition and Neuroimaging in Stroke (SCANS) Study. PLoS ONE, 2013, 8, e61014.	1.1	104

#	Article	IF	Citations
37	Structural network efficiency predicts conversion to dementia. Neurology, 2016, 86, 1112-1119.	1.5	103
38	The effect of NOTCH3 pathogenic variant position on CADASIL disease severity: NOTCH3 EGFr 1â€“6 pathogenic variant are associated with a more severe phenotype and lower survival compared with EGFr 7â€“34 pathogenic variant. Genetics in Medicine, 2019, 21, 676-682.	1.1	102
39	The spatial distribution of MR imaging abnormalities in cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy and their relationship to age and clinical features. American Journal of Neuroradiology, 2005, 26, 2481-7.	1.2	101
40	The von Willebrand Inhibitor ARC1779 Reduces Cerebral Embolization After Carotid Endarterectomy. Stroke, 2011, 42, 2149-2153.	1.0	99
41	Cerebral Microbleeds and Cognition in Patients With Symptomatic Small Vessel Disease. Stroke, 2013, 44, 356-361.	1.0	96
42	Genetic basis of lacunar stroke: a pooled analysis of individual patient data and genome-wide association studies. Lancet Neurology, The, 2021, 20, 351-361.	4.9	95
43	Genome-wide association study of MRI markers of cerebral small vessel disease in 42,310 participants. Nature Communications, 2020, 11, 2175.	5.8	93
44	Meta-analysis in more than 17,900 cases of ischemic stroke reveals a novel association at 12q24.12. Neurology, 2014, 83, 678-685.	1.5	89
45	Causal Impact of Type 2 Diabetes Mellitus on Cerebral Small Vessel Disease. Stroke, 2018, 49, 1325-1331.	1.0	86
46	Progression of MRI markers in cerebral small vessel disease: Sample size considerations for clinical trials. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 228-240.	2.4	85
47	Neuropathology of White Matter Lesions, Bloodâ€“Brain Barrier Dysfunction, and Dementia. Stroke, 2017, 48, 2799-2804.	1.0	85
48	Type 2 diabetes, glucose, insulin, BMI, and ischemic stroke subtypes. Neurology, 2017, 89, 454-460.	1.5	84
49	Lacunar Infarcts, but Not Perivascular Spaces, Are Predictors of Cognitive Decline in Cerebral Small-Vessel Disease. Stroke, 2018, 49, 586-593.	1.0	80
50	Genomeâ€wide metaâ€analysis identifies 3 novel loci associated with stroke. Annals of Neurology, 2018, 84, 934-939.	2.8	79
51	Can Transcranial Doppler Discriminate Between Solid and Gaseous Microemboli?. Stroke, 2005, 36, 1731-1734.	1.0	76
52	Using DTI to assess white matter microstructure in cerebral small vessel disease (SVD) in multicentre studies. Clinical Science, 2017, 131, 1361-1373.	1.8	76
53	Change in multimodal MRI markers predicts dementia risk in cerebral small vessel disease. Neurology, 2017, 89, 1869-1876.	1.5	76
54	Genetic variation at 16q24.2 is associated with small vessel stroke. Annals of Neurology, 2017, 81, 383-394.	2.8	73

#	Article	IF	Citations
55	Does Treating Vascular Risk Factors Prevent Dementia and Alzheimerâ€™s Disease? A Systematic Review and Meta-Analysis. Journal of Alzheimer's Disease, 2018, 64, 657-668.	1.2	72
56	Noninvasive Detection of Vertebral Artery Stenosis. Stroke, 2009, 40, 3499-3503.	1.0	71
57	Simple MRI score aids prediction of dementia in cerebral small vessel disease. Neurology, 2020, 94, e1294-e1302.	1.5	67
58	Disruption of rich club organisation in cerebral small vessel disease. Human Brain Mapping, 2017, 38, 1751-1766.	1.9	64
59	Cerebral amyloid angiopathy associated with inflammation: A systematic review of clinical and imaging features and outcome. International Journal of Stroke, 2018, 13, 257-267.	2.9	63
60	CADASIL: Migraine, Encephalopathy, Stroke and Their Inter-Relationships. PLoS ONE, 2016, 11, e0157613.	1.1	63
61	New Treatment Approaches to Modify the Course of Cerebral Small Vessel Diseases. Stroke, 2020, 51, 38-46.	1.0	59
62	Diabetes Mellitus, Glycemic Traits, and Cerebrovascular Disease. Neurology, 2021, 96, e1732-e1742.	1.5	59
63	COL4A2 is associated with lacunar ischemic stroke and deep ICH. Neurology, 2017, 89, 1829-1839.	1.5	58
64	Apathy after stroke: Diagnosis, mechanisms, consequences, and treatment. International Journal of Stroke, 2021, 16, 510-518.	2.9	55
65	Genome-Wide Association Analysis of Young-Onset Stroke Identifies a Locus on Chromosome 10q25 Near HABP2. Stroke, 2016, 47, 307-316.	1.0	54
66	Sodium Valproate, a Histone Deacetylase Inhibitor, Is Associated With Reduced Stroke Risk After Previous Ischemic Stroke or Transient Ischemic Attack. Stroke, 2018, 49, 54-61.	1.0	52
67	Association of MTHFR C677T Genotype With Ischemic Stroke Is Confined to Cerebral Small Vessel Disease Subtype. Stroke, 2016, 47, 646-651.	1.0	50
68	Depression in small-vessel disease relates to white matter ultrastructural damage, not disability. Neurology, 2014, 83, 1417-1423.	1.5	48
69	Mechanisms and treatment of ischaemic strokeâ€”insights from genetic associations. Nature Reviews Neurology, 2014, 10, 723-730.	4.9	47
70	Genetic variation in PLEKHG1 is associated with white matter hyperintensities (n = 11,226). Neurology, 2019, 92, e749-e757.	1.5	47
71	Pattern and Rate of Cognitive Decline in Cerebral Small Vessel Disease: A Prospective Study. PLoS ONE, 2015, 10, e0135523.	1.1	46
72	Verbal Fluency in Cerebral Small Vessel Disease and Alzheimer's Disease. Journal of the International Neuropsychological Society, 2014, 20, 413-421.	1.2	45

#	Article	IF	Citations
73	Longitudinal decline in structural networks predicts dementia in cerebral small vessel disease. Neurology, 2018, 90, e1898-e1910.	1.5	45
74	Human Validation of Genes Associated With a Murine Atherosclerotic Phenotype. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1240-1246.	1.1	44
75	Application of Diffusion Tensor Imaging Parameters to Detect Change in Longitudinal Studies in Cerebral Small Vessel Disease. PLoS ONE, 2016, 11, e0147836.	1.1	43
76	Genetic and Acquired Inflammatory Conditions Are Synergistically Associated With Early Carotid Atherosclerosis. Stroke, 2006, 37, 2253-2259.	1.0	42
77	Experimental aspects of high-intensity transient signals in the detection of emboli. Journal of Clinical Ultrasound, 1995, 23, 81-87.	0.4	41
78	What causes intracerebral bleeding after thrombolysis for acute ischaemic stroke? Recent insights into mechanisms and potential biomarkers. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 1127-1136.	0.9	40
79	Apathy is associated with large-scale white matter network disruption in small vessel disease. Neurology, 2019, 92, e1157-e1167.	1.5	40
80	Association of common genetic variants with brain microbleeds. Neurology, 2020, 95, e3331-e3343.	1.5	40
81	Polymorphism in a lincRNA Associates with a Doubled Risk of Pneumococcal Bacteremia in Kenyan Children. American Journal of Human Genetics, 2016, 98, 1092-1100.	2.6	39
82	NOTCH3 variants are more common than expected in the general population and associated with stroke and vascular dementia: an analysis of 200 000 participants. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 694-701.	0.9	39
83	PET imaging of the neurovascular interface in cerebrovascular disease. Nature Reviews Neurology, 2017, 13, 676-688.	4.9	38
84	Serum magnesium and calcium levels in relation to ischemic stroke. Neurology, 2019, 92, e944-e950.	1.5	38
85	In vivo neuroinflammation and cerebral small vessel disease in mild cognitive impairment and Alzheimerâ€™s disease. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 45-52.	0.9	38
86	Prognosis of carotid dissecting aneurysms. Neurology, 2017, 88, 646-652.	1.5	37
87	The Brief Memory and Executive Test (BMET) for detecting vascular cognitive impairment in small vessel disease: a validation study. BMC Medicine, 2015, 13, 51.	2.3	36
88	Genetic Overlap Between Diagnostic Subtypes of Ischemic Stroke. Stroke, 2015, 46, 615-619.	1.0	34
89	Clinical Pregenetic Screening for Stroke Monogenic Diseases. Stroke, 2016, 47, 1702-1709.	1.0	34
90	Genetic Architecture of Lacunar Stroke. Stroke, 2015, 46, 2407-2412.	1.0	33

#	Article	IF	Citations
91	Atrial Fibrillation Genetic Risk and Ischemic Stroke Mechanisms. Stroke, 2017, 48, 1451-1456.	1.0	33
92	Effect of Genetic Variants Associated With Plasma Homocysteine Levels on Stroke Risk. Stroke, 2014, 45, 1920-1924.	1.0	30
93	Differences in Common Genetic Predisposition to Ischemic Stroke by Age and Sex. Stroke, 2015, 46, 3042-3047.	1.0	28
94	Memory decline in elderly with cerebral small vessel disease explained by temporal interactions between white matter hyperintensities and hippocampal atrophy. Hippocampus, 2019, 29, 500-510.	0.9	28
95	Structural network changes in cerebral small vessel disease. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 196-203.	0.9	28
96	Diffusion tensor image segmentation of the cerebrum provides a single measure of cerebral small vessel disease severity related to cognitive change. NeuroImage: Clinical, 2017, 16, 330-342.	1.4	27
97	Modifiable Lifestyle Factors and Risk of Stroke. Stroke, 2021, 52, 931-936.	1.0	27
98	Rate of, and risk factors for, white matter hyperintensity growth: a systematic review and meta-analysis with implications for clinical trial design. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 1271-1277.	0.9	27
99	Common NOTCH3 Variants and Cerebral Small-Vessel Disease. Stroke, 2015, 46, 1482-1487.	1.0	26
100	How common are single gene mutations as a cause for lacunar stroke?. Neurology, 2019, 93, e2007-e2020.	1.5	26
101	Genome-Wide Association Study Meta-Analysis of Stroke in 22 000 Individuals of African Descent Identifies Novel Associations With Stroke. Stroke, 2020, 51, 2454-2463.	1.0	26
102	Genetic Architecture of White Matter Hyperintensities Differs in Hypertensive and Nonhypertensive Ischemic Stroke. Stroke, 2015, 46, 348-353.	1.0	25
103	Identifying preclinical vascular dementia in symptomatic small vessel disease using MRI. NeuroImage: Clinical, 2018, 19, 925-938.	1.4	23
104	COVID-19 and strokeâ€"Understanding the relationship and adapting services. A global World Stroke Organisation perspective. International Journal of Stroke, 2021, 16, 241-247.	2.9	23
105	Cognitive impact of cerebral microbleeds in patients with symptomatic small vessel disease. International Journal of Stroke, 2022, 17, 415-424.	2.9	23
106	Genetic Associations With White Matter Hyperintensities Confer Risk of Lacunar Stroke. Stroke, 2016, 47, 1174-1179.	1.0	22
107	Polygenic Overlap Between Kidney Function and Large Artery Atherosclerotic Stroke. Stroke, 2014, 45, 3508-3513.	1.0	21
108	Genetics of stroke in a UK African ancestry case-control study. Neurology: Genetics, 2017, 3, e142.	0.9	19

#	Article	IF	Citations
109	Treatment of posterior circulation stroke: Acute management and secondary prevention. International Journal of Stroke, 2022, 17, 723-732.	2.9	19
110	Genetic and environmental risk factors for rheumatoid arthritis in a UK African ancestry population: the GENRA caseâ€“control study. Rheumatology, 2017, 56, 1282-1292.	0.9	18
111	Stroke Genetics: Discovery, Insight Into Mechanisms, and Clinical Perspectives. Circulation Research, 2022, 130, 1095-1111.	2.0	18
112	Helicobacter Pylori Infection, the Cytotoxin Gene a Strain, and Carotid Artery Intima-Media Thickness. European Journal of Cardiovascular Prevention and Rehabilitation, 2002, 9, 1-6.	3.1	17
113	PRESERVE: Randomized Trial of Intensive Versus Standard Blood Pressure Control in Small Vessel Disease. Stroke, 2021, 52, 2484-2493.	1.0	17
114	Genetic Factors Influencing Coagulation Factor XIII B-Subunit Contribute to Risk of Ischemic Stroke. Stroke, 2015, 46, 2069-2074.	1.0	15
115	Brief Screening of Vascular Cognitive Impairment in Patients With Cerebral Autosomal-Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy Without Dementia. Stroke, 2016, 47, 2482-2487.	1.0	15
116	Rates, risks and routes to reduce vascular dementia (R4vad), a UK-wide multicentre prospective observational cohort study of cognition after stroke: Protocol. European Stroke Journal, 2021, 6, 89-101.	2.7	15
117	Neurofilament light chain predicts future dementia risk in cerebral small vessel disease. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 582-589.	0.9	15
118	Prediction of dementia using diffusion tensor MRI measures: the OPTIMAL collaboration. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 14-23.	0.9	15
119	CAIDE dementia risk score relates to severity and progression of cerebral small vessel disease in healthy midlife adults: the PREVENT-Dementia study. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 481-490.	0.9	13
120	Ischaemic stroke can follow COVID-19 vaccination but is much more common with COVID-19 infection itself. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 1142-1142.	0.9	12
121	Vertebral artery stenting to prevent recurrent stroke in symptomatic vertebral artery stenosis: the VIST RCT. Health Technology Assessment, 2019, 23, 1-30.	1.3	12
122	Central obesity is selectively associated with cerebral gray matter atrophy in 15,634 subjects in the UK Biobank. International Journal of Obesity, 2022, 46, 1059-1067.	1.6	12
123	Association of NOTCH3 Variant Position With Stroke Onset and Other Clinical Features Among Patients With CADASIL. Neurology, 2022, 99, .	1.5	11
124	Associations between the Brief Memory and Executive Test (BMET), Activities of Daily Living, and Quality of Life in Patients with Cerebral Small Vessel Disease. Journal of the International Neuropsychological Society, 2016, 22, 561-569.	1.2	10
125	Cerebral Amyloid Angiopathy and the Fibrinolytic System: Is Plasmin a Therapeutic Target?. Stroke, 2021, 52, 2707-2714.	1.0	10
126	Current treatments in neurology: Stroke. Journal of Neurology, 2005, 252, 260-267.	1.8	9

#	Article	IF	Citations
127	The Brief Memory and Executive Test (BMET): A cognitive screening tool to detect and differentiate vascular cognitive impairment and Alzheimer's disease. International Journal of Geriatric Psychiatry, 2018, 33, e273-e279.	1.3	9
128	Can microemboli on transcranial Doppler identify patients at increased stroke risk?. Nature Clinical Practice Cardiovascular Medicine, 2006, 3, 246-247.	3.3	8
129	Triple versus guideline antiplatelet therapy to prevent recurrence after acute ischaemic stroke or transient ischaemic attack: the TARDIS RCT. Health Technology Assessment, 2018, 22, 1-76.	1.3	8
130	Oxidative phosphorylation and lacunar stroke. Neurology, 2016, 86, 141-145.	1.5	7
131	Top research priorities for stroke genetics. Lancet Neurology, The, 2018, 17, 663-665.	4.9	7
132	Prevalence of, and risk factors for, cognitive impairment in lacunar stroke. International Journal of Stroke, 2023, 18, 62-69.	2.9	7
133	Lindsay Symon: A giant of stroke. International Journal of Stroke, 2020, 15, 356-360.	2.9	6
134	Determining the OPTIMAL DTI analysis method for application in cerebral small vessel disease. NeuroImage: Clinical, 2022, 35, 103114.	1.4	6
135	Genetics Studies in Ischaemic Stroke. Translational Stroke Research, 2010, 1, 238-245.	2.3	5
136	Automated Detection of Candidate Subjects With Cerebral Microbleeds Using Machine Learning. Frontiers in Neuroinformatics, 2021, 15, 777828.	1.3	5
137	White Matter Hyperintensities and Cerebral Microbleeds in Ataxia-Telangiectasia. Neurology: Genetics, 2021, 7, e640.	0.9	2
138	Cerebral small vessel disease: Microbleeds, perforator artery imaging and cliostozol. International Journal of Stroke, 2021, 16, 1000-1001.	2.9	1
139	Thrombectomy, acute stroke care, and global health problems; cannabis and COVID-19. International Journal of Stroke, 2020, 15, 465-466.	2.9	0
140	EXPRESS: COVID-19 AND STROKE Ã¢Â€Â“ UNDERSTANDING THE RELATIONSHIP AND ADAPTING SERVICES. A GLOBAL WORLD STROKE ORGANISATION PERSPECTIVE
. International Journal of Stroke, 2021, , 174749302110064.	2.9	0