

Saima Hilal

List of Publications by Year in descending order

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116
papers

4,568
citations

101543

36
h-index

133252

59
g-index

117
all docs

117
docs citations

117
times ranked

7748
citing authors

#	ARTICLE	IF	CITATIONS
1	Microvascular network alterations in the retina of patients with Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014, 10, 135-142.	0.8	255
2	Retinal Ganglion Cell Analysis Using High-Definition Optical Coherence Tomography in Patients with Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 45-56.	2.6	223
3	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
4	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
5	Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 398-409.	5.1	162
6	Prevalence, risk factors and consequences of cerebral small vessel diseases: data from three Asian countries. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 669-674.	1.9	151
7	Cerebral microbleeds and stroke risk after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. <i>Lancet Neurology</i> , The, 2019, 18, 653-665.	10.2	143
8	Strategic infarct locations for post-stroke cognitive impairment: a pooled analysis of individual patient data from 12 acute ischaemic stroke cohorts. <i>Lancet Neurology</i> , The, 2021, 20, 448-459.	10.2	120
9	Cortical microinfarcts on 3T MRI: Clinical correlates in memory clinic patients. <i>Alzheimer's and Dementia</i> , 2015, 11, 1500-1509.	0.8	109
10	Cortical cerebral microinfarcts on 3T MRI. <i>Neurology</i> , 2016, 87, 1583-1590.	1.1	101
11	Retinal neurodegeneration on optical coherence tomography and cerebral atrophy. <i>Neuroscience Letters</i> , 2015, 584, 12-16.	2.1	97
12	Enlarged perivascular spaces and cognition. <i>Neurology</i> , 2018, 91, e832-e842.	1.1	88
13	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. <i>NeuroImage</i> , 2020, 219, 117031.	4.2	80
14	Prevalence of cognitive impairment in Chinese: Epidemiology of Dementia in Singapore study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 686-692.	1.9	76
15	Microvascular network alterations in retina of subjects with cerebral small vessel disease. <i>Neuroscience Letters</i> , 2014, 577, 95-100.	2.1	73
16	Distinct white matter microstructural abnormalities and extracellular water increases relate to cognitive impairment in Alzheimer's disease with and without cerebrovascular disease. <i>Alzheimer's Research and Therapy</i> , 2017, 9, 63.	6.2	70
17	Markers of Cardiac Dysfunction in Cognitive Impairment and Dementia. <i>Medicine (United States)</i> , 2015, 94, e297.	1.0	60
18	Association Between Subclinical Cardiac Biomarkers and Clinically Manifest Cardiac Diseases With Cortical Cerebral Microinfarcts. <i>JAMA Neurology</i> , 2017, 74, 403.	9.0	57

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19	Multi-stage segmentation of white matter hyperintensity, cortical and lacunar infarcts. <i>NeuroImage</i> , 2012, 60, 2379-2388.	4.2	56
20	Cerebral Microbleeds and Cognition. <i>Alzheimer Disease and Associated Disorders</i> , 2014, 28, 106-112.	1.3	56
21	Alterations in Brain Network Topology and Structural-Functional Connectome Coupling Relate to Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 404.	3.4	52
22	Impact of Strategically Located White Matter Hyperintensities on Cognition in Memory Clinic Patients with Small Vessel Disease. <i>PLoS ONE</i> , 2016, 11, e0166261.	2.5	52
23	Association of silent lacunar infarct with brain atrophy and cognitive impairment. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1219-1225.	1.9	51
24	Influence of cerebrovascular disease on brain networks in prodromal and clinical Alzheimer's disease. <i>Brain</i> , 2017, 140, 3012-3022.	7.6	51
25	Silent Stroke. <i>Stroke</i> , 2012, 43, 3102-3104.	2.0	50
26	Retinal Vascular Fractals and Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2014, 4, 305-313.	1.3	49
27	Association of Magnetic Resonance Imaging Markers of Cerebrovascular Disease Burden and Cognition. <i>Stroke</i> , 2015, 46, 2808-2814.	2.0	48
28	Retinal microvasculature dysfunction is associated with Alzheimer's disease and mild cognitive impairment. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 161.	6.2	48
29	A priori collaboration in population imaging: The Uniform Neuroimaging of Virchow-Robin Spaces Enlargement consortium. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2015, 1, 513-520.	2.4	46
30	Growth differentiation factor-15 and white matter hyperintensities in cognitive impairment and dementia. <i>Medicine (United States)</i> , 2016, 95, e4566.	1.0	46
31	C-Reactive Protein, Plasma Amyloid- β^2 Levels, and Their Interaction With Magnetic Resonance Imaging Markers. <i>Stroke</i> , 2018, 49, 2692-2698.	2.0	46
32	The Association Between Retinal Neuronal Layer and Brain Structure is Disrupted in Patients with Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 585-595.	2.6	45
33	Telomere Length and the Risk of Alzheimer's Disease: The Rotterdam Study. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 707-714.	2.6	45
34	Plasma Amyloid- β^2 Levels, Cerebral Small Vessel Disease, and Cognition: The Rotterdam Study. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 977-987.	2.6	43
35	Plasma osteopontin as a biomarker of Alzheimer's disease and vascular cognitive impairment. <i>Scientific Reports</i> , 2021, 11, 4010.	3.3	43
36	<i>APOE</i> and cortical superficial siderosis in CAA. <i>Neurology</i> , 2019, 93, e358-e371.	1.1	42

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37	Comparison of the Montreal Cognitive Assessment and the Mini-Mental State Examination in detecting multi-domain mild cognitive impairment in a Chinese sub-sample drawn from a population-based study. <i>International Psychogeriatrics</i> , 2013, 25, 1831-1838.	1.0	41
38	Association of common genetic variants with brain microbleeds. <i>Neurology</i> , 2020, 95, e3331-e3343.	1.1	40
39	Posterior Eye Shape Measurement With Retinal OCT Compared to MRI. , 2016, 57, OCT196.		39
40	Plasma amyloid- β levels, cerebral atrophy and risk of dementia: a population-based study. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 63.	6.2	39
41	Inter-hemispheric functional dysconnectivity mediates the association of corpus callosum degeneration with memory impairment in AD and amnesic MCI. <i>Scientific Reports</i> , 2016, 6, 32573.	3.3	38
42	Risk Factors for and Clinical Relevance of Incident and Progression of Cerebral Small Vessel Disease Markers in an Asian Memory Clinic Population. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 1209-1219.	2.6	38
43	Plasma τ 181 to $A\beta$ 242 ratio is associated with brain amyloid burden and hippocampal atrophy in an Asian cohort of Alzheimer's disease patients with concomitant cerebrovascular disease. <i>Alzheimer's and Dementia</i> , 2021, 17, 1649-1662.	0.8	37
44	Development of imaging-based risk scores for prediction of intracranial haemorrhage and ischaemic stroke in patients taking antithrombotic therapy after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. <i>Lancet Neurology</i> , The, 2021, 20, 294-303.	10.2	37
45	Serum IL-8 is a marker of white matter hyperintensities in patients with Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 7, 41-47.	2.4	34
46	Patterns of neuropsychological impairment in Alzheimer's disease and mixed dementia. <i>Journal of the Neurological Sciences</i> , 2013, 333, 5-8.	0.6	32
47	Subcortical Atrophy in Cognitive Impairment and Dementia. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 813-823.	2.6	32
48	Intracranial Stenosis, Cerebrovascular Diseases, and Cognitive Impairment in Chinese. <i>Alzheimer Disease and Associated Disorders</i> , 2015, 29, 12-17.	1.3	31
49	Cerebrovascular disease influences functional and structural network connectivity in patients with amnesic mild cognitive impairment and Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 82.	6.2	31
50	Distinct BOLD variability changes in the default mode and salience networks in Alzheimer's disease spectrum and associations with cognitive decline. <i>Scientific Reports</i> , 2020, 10, 6457.	3.3	31
51	Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. <i>Neurology</i> , 2019, 92, .	1.1	30
52	Cortical microinfarcts in memory clinic patients are associated with reduced cerebral perfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1869-1878.	4.3	30
53	Brain amyloid β , cerebral small vessel disease, and cognition. <i>Neurology</i> , 2020, 95, e2845-e2853.	1.1	30
54	Enlarged Perivascular Spaces and Dementia: A Systematic Review. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 247-256.	2.6	29

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55	Cortical cerebral microinfarcts predict cognitive decline in memory clinic patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 44-53.	4.3	29
56	Intracranial stenosis in cognitive impairment and dementia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2262-2269.	4.3	28
57	Ankle-Brachial Index, Cognitive Impairment and Cerebrovascular Disease in a Chinese Population. <i>Neuroepidemiology</i> , 2014, 42, 131-138.	2.3	27
58	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. <i>Communications Biology</i> , 2019, 2, 285.	4.4	27
59	The Meta VCI Map consortium for meta-analyses on strategic lesion locations for vascular cognitive impairment using lesion-symptom mapping: Design and multicenter pilot study. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 310-326.	2.4	26
60	Cerebral microbleeds and neuropsychiatric symptoms in an elderly Asian cohort. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 7-11.	1.9	25
61	The Informant AD8 is Superior to Participant AD8 in Detecting Cognitive Impairment in a Memory Clinic Setting. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 159-168.	2.6	24
62	Prevalence of Cognitive Impairment and Dementia in Malays – Epidemiology of Dementia in Singapore Study. <i>Current Alzheimer Research</i> , 2017, 14, 620-627.	1.4	24
63	The Diagnostic Utility of the NINDS-CSN Neuropsychological Battery in Memory Clinics. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016, 6, 276-282.	1.3	23
64	Influence of Comorbidity of Cerebrovascular Disease and Amyloid- β^2 on Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 897-907.	2.6	21
65	Prevalence and Risk Factors of Acute Incidental Infarcts. <i>Stroke</i> , 2015, 46, 2722-2727.	2.0	20
66	Apolipoprotein E4 is Associated with Dementia and Cognitive Impairment Predominantly Due to Alzheimer's Disease and Not with Vascular Cognitive Impairment: A Singapore-Based Cohort. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 1111-1118.	2.6	19
67	Immunomodulatory sphingosine-1-phosphates as plasma biomarkers of Alzheimer's disease and vascular cognitive impairment. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 122.	6.2	19
68	Emulating a target trial of statin use and risk of dementia using cohort data. <i>Neurology</i> , 2020, 95, e1322-e1332.	1.1	19
69	Risk Factors and Consequences of Cortical Thickness in an Asian Population. <i>Medicine (United States)</i> , 2015, 94, e852.	1.0	18
70	Serum Hepatocyte Growth Factor Is Associated with Small Vessel Disease in Alzheimer's Dementia. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 8.	3.4	17
71	Mixed-Location Cerebral Microbleeds: An Imaging Biomarker for Cerebrovascular Pathology in Cognitive Impairment and Dementia in a Memory Clinic Population. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 1309-1320.	2.6	17
72	Cerebral Small Vessel Disease and Enlarged Perivascular Spaces-Data From Memory Clinic and Population-Based Settings. <i>Frontiers in Neurology</i> , 2019, 10, 669.	2.4	16

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73	Improved quantification of amyloid burden and associated biomarker cut-off points: results from the first amyloid Singaporean cohort with overlapping cerebrovascular disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 319-331.	6.4	16
74	Prevalence and clinical relevance of diffusion-weighted imaging lesions. <i>Neurology</i> , 2019, 93, e1058-e1067.	1.1	15
75	High burden of cerebral white matter lesion in 9 Asian cities. <i>Scientific Reports</i> , 2021, 11, 11587.	3.3	15
76	Blood-Based Cardiac Biomarkers and the Risk of Cognitive Decline, Cerebrovascular Disease, and Clinical Events. <i>Stroke</i> , 2021, 52, 2275-2283.	2.0	15
77	Prediction of dementia using diffusion tensor MRI measures: the OPTIMAL collaboration. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 14-23.	1.9	15
78	Repeatability and Reproducibility of Retinal Neuronal and Axonal Measures on Spectral-Domain Optical Coherence Tomography in Patients with Cognitive Impairment. <i>Frontiers in Neurology</i> , 2017, 8, 359.	2.4	14
79	Homocysteine and Cerebral Atrophy: The Epidemiology of Dementia in Singapore Study. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 877-885.	2.6	14
80	Prevalence and Risk Factors for Cognitive Impairment and Dementia in Indians: A Multiethnic Perspective from a Singaporean Study. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 341-351.	2.6	14
81	Neuropsychiatric Correlates of Small Vessel Disease Progression in Incident Cognitive Decline: Independent and Interactive Effects. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1053-1062.	2.6	14
82	White matter network damage mediates association between cerebrovascular disease and cognition. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2199098.	4.3	14
83	Mixed-location cerebral microbleeds as a biomarker of neurodegeneration in a memory clinic population. <i>Aging</i> , 2019, 11, 10581-10596.	3.1	14
84	Haemoglobin, magnetic resonance imaging markers and cognition: a subsample of population-based study. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 114.	6.2	13
85	Association of neuropsychiatric symptoms and sub-syndromes with cognitive impairment in community-dwelling Asian elderly. <i>International Psychogeriatrics</i> , 2015, 27, 1839-1847.	1.0	12
86	Mechanisms Linking White Matter Lesions, Tract Integrity, and Depression in Alzheimer Disease. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 948-959.	1.2	12
87	MRI of posterior eye shape and its associations with myopia and ethnicity. <i>British Journal of Ophthalmology</i> , 2019, 104, bjophthalmol-2019-315020.	3.9	12
88	The prevalence and clinical associations of disproportionately enlarged subarachnoid space hydrocephalus (DESH), an imaging feature of idiopathic normal pressure hydrocephalus in community and memory clinic based Singaporean cohorts. <i>Journal of the Neurological Sciences</i> , 2020, 408, 116510.	0.6	12
89	Improved amyloid burden quantification with nonspecific estimates using deep learning. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1842-1853.	6.4	12
90	Cerebral Microbleeds, Cerebral Amyloid Angiopathy, and Their Relationships to Quantitative Markers of Neurodegeneration. <i>Neurology</i> , 2022, 98, .	1.1	12

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91	Cerebral microinfarcts affect brain structural network topology in cognitively impaired patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 105-115.	4.3	11
92	Head-to-head comparison of amplified plasmonic exosome A β 242 platform and single-molecule array immunoassay in a memory clinic cohort. <i>European Journal of Neurology</i> , 2021, 28, 1479-1489.	3.3	11
93	Epidemiologic Trends, Social Determinants, and Brain Health: The Role of Life Course Inequalities. <i>Stroke</i> , 2022, 53, 437-443.	2.0	11
94	Computer Tomography for Prediction of Cognitive Outcomes after Ischemic Cerebrovascular Events. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 1921-1927.	1.6	9
95	Validation of the Total Cerebrovascular Disease Burden Scale in a Community Sample. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 1021-1028.	2.6	9
96	Ankle brachial index, MRI markers and cognition: The Epidemiology of Dementia in Singapore study. <i>Atherosclerosis</i> , 2017, 263, 272-277.	0.8	9
97	The Impact of Strategic White Matter Hyperintensity Lesion Location on Language. <i>American Journal of Geriatric Psychiatry</i> , 2021, 29, 156-165.	1.2	9
98	Global cerebrovascular burden and long-term clinical outcomes in Asian elderly across the spectrum of cognitive impairment. <i>International Psychogeriatrics</i> , 2018, 30, 1355-1363.	1.0	8
99	The Effects of Intracranial Stenosis on Cerebral Perfusion and Cognitive Performance. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 1369-1380.	2.6	8
100	Additive effect of cerebral atrophy on cognition in dementia-free elderly with cerebrovascular disease. <i>Stroke and Vascular Neurology</i> , 2019, 4, 135-140.	3.3	7
101	Association Between Cerebral Cortical Microinfarcts and Perilesional Cortical Atrophy on 3T MRI. <i>Neurology</i> , 2022, 98, .	1.1	7
102	Retinal parameters, cortical cerebral microinfarcts, and their interaction with cognitive impairment. <i>International Journal of Stroke</i> , 2023, 18, 70-77.	5.9	7
103	High Prevalence of Undiagnosed Eye Diseases in Individuals with Dementia. <i>Journal of the American Geriatrics Society</i> , 2015, 63, 192-194.	2.6	6
104	Coronal CT is Comparable to MR Imaging in Aiding Diagnosis of Dementia in a Memory Clinic in Singapore. <i>Alzheimer Disease and Associated Disorders</i> , 2018, 32, 94-100.	1.3	6
105	Hearing handicap in Asian patients with dementia. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2020, 41, 102377.	1.3	6
106	Clinical Relevance of Cortical Cerebral Microinfarcts on 1.5T Magnetic Resonance Imaging in the Late-Adult Population. <i>Stroke</i> , 2021, 52, 922-930.	2.0	6
107	Changing Patterns of Patient Characteristics in a Memory Clinic in Singapore. <i>Journal of the American Medical Directors Association</i> , 2016, 17, 863.e9-863.e14.	2.5	5
108	Interethnic differences in neuroimaging markers and cognition in Asians, a population-based study. <i>Scientific Reports</i> , 2020, 10, 2655.	3.3	5

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109	The effect of intracranial stenosis on cognitive decline in a memory clinic cohort. <i>European Journal of Neurology</i> , 2021, 28, 1829-1839.	3.3	5
110	MRI Markers of Mixed Pathology and Cognitive Impairment in Multiethnic Asians. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1501-1509.	2.6	4
111	Diffusion MRI harmonization enables joint-analysis of multicentre data of patients with cerebral small vessel disease. <i>NeuroImage: Clinical</i> , 2021, 32, 102886.	2.7	4
112	Cerebrovascular disease in suspected non- α -Alzheimer's pathophysiology and cognitive decline over time. <i>European Journal of Neurology</i> , 2022, 29, 1922-1929.	3.3	4
113	Prevalence and association of syphilis reactivity in an Asian memory clinic population. <i>International Journal of STD and AIDS</i> , 2018, 29, 1368-1374.	1.1	2
114	Long-term neurobehavioral correlates of brain cortical microinfarcts in a memory clinic cohort in Singapore. <i>International Journal of Stroke</i> , 2022, 17, 218-225.	5.9	2
115	Knowledge, Attitudes, and Perceptions Toward Dementia Among Middle-Aged Singapore Residents. <i>Journal of Alzheimer's Disease</i> , 2022, , 1-14.	2.6	2
116	Plasma amyloid- β 40 in relation to subclinical atherosclerosis and cardiovascular disease: A population-based study. <i>Atherosclerosis</i> , 2022, 348, 44-50.	0.8	2