

Natalie S Ryan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

3,505
citations

29
h-index

59
g-index

83
ext. papers

4,787
ext. citations

8.7
avg, IF

4.64
L-index

#	Paper	IF	Citations
71	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A β tau, immunity and lipid processing. <i>Nature Genetics</i> , 2019 , 51, 414-430	36.3	917
70	Consensus classification of posterior cortical atrophy. <i>Alzheimers and Dementia</i> , 2017 , 13, 870-884	1.2	261
69	White matter hyperintensities are a core feature of Alzheimer's disease: Evidence from the dominantly inherited Alzheimer network. <i>Annals of Neurology</i> , 2016 , 79, 929-39	9.4	247
68	Serum neurofilament light in familial Alzheimer disease: A marker of early neurodegeneration. <i>Neurology</i> , 2017 , 89, 2167-2175	6.5	154
67	Magnetic resonance imaging evidence for presymptomatic change in thalamus and caudate in familial Alzheimer's disease. <i>Brain</i> , 2013 , 136, 1399-414	11.2	148
66	Alzheimer's-Causing Mutations Shift A β Length by Destabilizing β Secretase-A β Interactions. <i>Cell</i> , 2017 , 170, 443-456.e14	56.2	127
65	Correlating familial Alzheimer's disease gene mutations with clinical phenotype. <i>Biomarkers in Medicine</i> , 2010 , 4, 99-112	2.3	113
64	Clinical phenotype and genetic associations in autosomal dominant familial Alzheimer's disease: a case series. <i>Lancet Neurology</i> , 2016 , 15, 1326-1335	24.1	109
63	Qualitative changes in human β secretase underlie familial Alzheimer's disease. <i>Journal of Experimental Medicine</i> , 2015 , 212, 2003-13	16.6	104
62	An unbiased longitudinal analysis framework for tracking white matter changes using diffusion tensor imaging with application to Alzheimer's disease. <i>NeuroImage</i> , 2013 , 72, 153-63	7.9	86
61	Diffusion imaging changes in grey matter in Alzheimer's disease: a potential marker of early neurodegeneration. <i>Alzheimers Research and Therapy</i> , 2015 , 7, 47	9	83
60	Developmental regulation of tau splicing is disrupted in stem cell-derived neurons from frontotemporal dementia patients with the 10 + 16 splice-site mutation in MAPT. <i>Human Molecular Genetics</i> , 2015 , 24, 5260-9	5.6	83
59	Carbon-11-Pittsburgh compound B positron emission tomography imaging of amyloid deposition in presenilin 1 mutation carriers. <i>Brain</i> , 2011 , 134, 293-300	11.2	75
58	The importance of group-wise registration in tract based spatial statistics study of neurodegeneration: a simulation study in Alzheimer's disease. <i>PLoS ONE</i> , 2012 , 7, e45996	3.7	65
57	Genetic risk factors for the posterior cortical atrophy variant of Alzheimer's disease. <i>Alzheimers and Dementia</i> , 2016 , 12, 862-71	1.2	64
56	Posterior cerebral atrophy in the absence of medial temporal lobe atrophy in pathologically-confirmed Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012 , 33, 627.e1-627.e12	5.6	58
55	The pattern of atrophy in familial Alzheimer disease: volumetric MRI results from the DIAN study. <i>Neurology</i> , 2013 , 81, 1425-33	6.5	56

54	Abnormalities of fixation, saccade and pursuit in posterior cortical atrophy. <i>Brain</i> , 2015 , 138, 1976-91	11.2	53
53	Familial Alzheimer's disease patient-derived neurons reveal distinct mutation-specific effects on amyloid beta. <i>Molecular Psychiatry</i> , 2020 , 25, 2919-2931	15.1	51
52	Longitudinal measurement of serum neurofilament light in presymptomatic familial Alzheimer's disease. <i>Alzheimers Research and Therapy</i> , 2019 , 11, 19	9	47
51	Genetic determinants of white matter hyperintensities and amyloid angiopathy in familial Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015 , 36, 3140-3151	5.6	46
50	Presymptomatic cortical thinning in familial Alzheimer disease: A longitudinal MRI study. <i>Neurology</i> , 2016 , 87, 2050-2057	6.5	43
49	Imaging endpoints for clinical trials in Alzheimer's disease. <i>Alzheimers Research and Therapy</i> , 2014 , 6, 87	9	40
48	Global gray matter changes in posterior cortical atrophy: a serial imaging study. <i>Alzheimers and Dementia</i> , 2012 , 8, 502-12	1.2	40
47	Longitudinal neuroanatomical and cognitive progression of posterior cortical atrophy. <i>Brain</i> , 2019 , 142, 2082-2095	11.2	36
46	Plasma phospho-tau181 in presymptomatic and symptomatic familial Alzheimer's disease: a longitudinal cohort study. <i>Molecular Psychiatry</i> , 2020 ,	15.1	36
45	Creation of an open-access, mutation-defined fibroblast resource for neurological disease research. <i>PLoS ONE</i> , 2012 , 7, e43099	3.7	35
44	Genetic influences on atrophy patterns in familial Alzheimer's disease: a comparison of APP and PSEN1 mutations. <i>Journal of Alzheimers Disease</i> , 2013 , 35, 199-212	4.3	31
43	Alzheimer's disease in the 100 years since Alzheimer's death. <i>Brain</i> , 2015 , 138, 3816-21	11.2	27
42	Extracellular interface between APP and Nicastrin regulates A β length and response to β secretase modulators. <i>EMBO Journal</i> , 2019 , 38,	13	24
41	Motor features in posterior cortical atrophy and their imaging correlates. <i>Neurobiology of Aging</i> , 2014 , 35, 2845-2857	5.6	21
40	Brain imaging evidence of early involvement of subcortical regions in familial and sporadic Alzheimer's disease. <i>Brain Research</i> , 2017 , 1655, 23-32	3.7	21
39	Familial Alzheimer's Disease Mutations in PSEN1 Lead to Premature Human Stem Cell Neurogenesis. <i>Cell Reports</i> , 2021 , 34, 108615	10.6	18
38	Spontaneous ARIA (amyloid-related imaging abnormalities) and cerebral amyloid angiopathy related inflammation in presenilin 1-associated familial Alzheimer's disease. <i>Journal of Alzheimers Disease</i> , 2015 , 44, 1069-74	4.3	16
37	Cerebral microbleeds in familial Alzheimer's disease. <i>Brain</i> , 2012 , 135, e201; author reply e202	11.2	13

36	CSF amyloid is a consistent predictor of white matter hyperintensities across the disease course from aging to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020 , 91, 5-14	5.6	13
35	Amyloid precursor protein processing in human neurons with an allelic series of the intron 4 deletion mutation and total presenilin-1 knockout. <i>Brain Communications</i> , 2019 , 1, fcz024	4.5	8
34	Imaging biomarkers in Alzheimer's disease. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1180, 20-76.5	7	
33	Measuring cortical mean diffusivity to assess early microstructural cortical change in presymptomatic familial Alzheimer's disease. <i>Alzheimers Research and Therapy</i> , 2020 , 12, 112	9	7
32	Plasma amyloid- β ratios in autosomal dominant Alzheimer's disease: the influence of genotype. <i>Brain</i> , 2021 , 144, 2964-2970	11.2	6
31	The age-dependent associations of white matter hyperintensities and neurofilament light in early- and late-stage Alzheimer's disease. <i>Neurobiology of Aging</i> , 2021 , 97, 10-17	5.6	6
30	Molecular and cellular pathology of monogenic Alzheimer's disease at single cell resolution		4
29	Disease duration in autosomal dominant familial Alzheimer disease: A survival analysis. <i>Neurology: Genetics</i> , 2020 , 6, e507	3.8	4
28	Quantitative detection and staging of presymptomatic cognitive decline in familial Alzheimer's disease: a retrospective cohort analysis. <i>Alzheimers Research and Therapy</i> , 2020 , 12, 126	9	4
27	Genetic testing in dementia - utility and clinical strategies. <i>Nature Reviews Neurology</i> , 2021 , 17, 23-36	15	4
26	Reply: Implications of presymptomatic change in thalamus and caudate in Alzheimer's disease. <i>Brain</i> , 2013 , 136, e259	11.2	3
25	Clinical Association of White Matter Hyperintensities Localization in a Mexican Family with Spastic Paraparesis Carrying the PSEN1 A431E Mutation. <i>Journal of Alzheimers Disease</i> , 2020 , 73, 1075-1083	4.3	3
24	O2-04-05: Accelerated Long-Term Forgetting in Presymptomatic Familial Alzheimer's Disease 2016 , 12, P231-P231		2
23	Visual short-term memory impairments in presymptomatic familial Alzheimer's disease: A longitudinal observational study. <i>Neuropsychologia</i> , 2021 , 162, 108028	3.2	2
22	O2-03-02: are White Matter Hyperintensities a Core Feature of Alzheimer's Disease or Just a Reflection of Amyloid Angiopathy? Evidence From the Dominantly Inherited Alzheimer Network (DIAN) 2016 , 12, P226-P226		1
21	O3-03-01: THE SEQUENCE AND TIMING OF PRECLINICAL COGNITIVE DECLINE IN AUTOSOMAL DOMINANT ALZHEIMER'S DISEASE 2019 , 15, P882-P882		1
20	P1-524: VISUAL SHORT-TERM BINDING DEFICIT IN FAMILIAL ALZHEIMER'S DISEASE: A LONGITUDINAL STUDY 2018 , 14, P532-P533		1
19	Variability in the type and layer distribution of cortical A β pathology in familial Alzheimer's disease. <i>Brain Pathology</i> , 2021 , e13009	6	1

18	A novel presenilin 1 duplication mutation (Ile168dup) causing Alzheimer's disease associated with myoclonus, seizures and pyramidal features. <i>Neurobiology of Aging</i> , 2021 , 103, 137.e1-137.e5	5.6	0
17	White matter hyperintensity increases are a feature of familial AD and are associated with increased brain atrophy. <i>Alzheimers and Dementia</i> , 2020 , 16, e038925	1.2	
16	Disease duration in autosomal dominant familial Alzheimer's disease. <i>Alzheimers and Dementia</i> , 2020 , 16, e039738	1.2	
15	Premature neuronal differentiation in familial Alzheimer's disease human stem cells in vitro and in postmortem brain tissue. <i>Alzheimers and Dementia</i> , 2020 , 16, e039793	1.2	
14	Plasma phospho-tau in familial Alzheimer's disease. <i>Alzheimers and Dementia</i> , 2020 , 16, e042921	1.2	
13	IC-P-193: AUTOMATED SEGMENTATION OF THALAMUS FROM MRI: METHOD VALIDATION AND COMPARISON FOR VOLUMETRIC MEASUREMENT IN FAMILIAL ALZHEIMER'S DISEASE 2014 , 10, P107-P108		
12	[P4061]: LONGITUDINAL EVALUATION OF NEUROPSYCHOLOGICAL AND NEUROIMAGING PROGRESSION IN POSTERIOR CORTICAL ATROPHY 2017 , 13, P1382-P1383		
11	[P1019]: PROBING DEVELOPMENTAL CONSEQUENCES OF PSEN1 MUTATIONS IN IPSC DIFFERENTIATION IN 2D AND 3D 2017 , 13, P327-P327		
10	[P1020]: 3D CEREBRAL ORGANIDS AS IN VITRO MODELS FOR ALZHEIMER'S DISEASE 2017 , 13, P327-P327		
9	[P1025]: PROBING DEVELOPMENTAL CONSEQUENCES OF PSEN1 MUTATIONS IN IPSC DIFFERENTIATION IN 2D AND 3D 2017 , 13, P242		
8	[P1080]: DISTINCT A β PRODUCTION IN STEM CELL-DERIVED CORTICAL NEURONS FROM PATIENTS WITH FAD MUTATION 2017 , 13, P311-P312		
7	[F40104]: NEUROIMAGING AND HETEROGENEITY IN FAMILIAL ALZHEIMER'S DISEASE 2017 , 13, P1211		
6	[O40204]: SERUM NEUROFILAMENT LIGHT CONCENTRATION IN FAMILIAL ALZHEIMER'S DISEASE AND ASSOCIATION WITH MARKERS OF DISEASE STAGE AND SEVERITY 2017 , 13, P1230-P1231		
5	F5-02-02: Longitudinal Atrophy in Autosomal Dominant Ad and Sporadic Ad: Lessons from Dian 2016 , 12, P368-P369		
4	P1-188: MODELLING AMYLOID BETA PROFILES IN IPSC-DERIVED CORTICAL NEURONS OF MULTIPLE FAMILIAL ALZHEIMER'S DISEASE GENOTYPES, INCLUDING A CASE STUDY OF SAME DONOR CULTURE MEDIA, CSF AND BRAIN TISSUE 2018 , 14, P350-P351		
3	O2-04-04: LONGITUDINAL MEASUREMENT OF SERUM NEUROFILAMENT LIGHT CONCENTRATION IN FAMILIAL ALZHEIMER'S DISEASE 2018 , 14, P623-P624		
2	P3-461: THE DISTRIBUTION OF CORTICAL A β AND MICROGLIAL PATHOLOGY IN FAMILIAL ALZHEIMER'S DISEASE 2018 , 14, P1295-P1295		
1	P3-261: SERUM NEUROFILAMENT LIGHT CONCENTRATION AND PROGRESSION IN FAMILIAL ALZHEIMER'S DISEASE 2018 , 14, P1174-P1175		

