Samantha C Burnham

List of Publications by Year
in descending order

65 papers	4,712 citations	218381 26 h-index	118652 62 g-index
68 all docs	68 docs citations	68 times ranked	7142 citing authors

#	Article	IF	Citations
1	Amyloid β deposition, neurodegeneration, and cognitive decline in sporadic Alzheimer's disease: a prospective cohort study. Lancet Neurology, The, 2013, 12, 357-367.	4.9	1,738
2	Blood-Based Protein Biomarkers for Diagnosis of Alzheimer Disease. Archives of Neurology, 2012, 69, 1318.	4.9	348
3	Imaging tau and amyloid-β proteinopathies in Alzheimer disease and other conditions. Nature Reviews Neurology, 2018, 14, 225-236.	4.9	321
4	Physical activity and amyloid-β plasma and brain levels: results from the Australian Imaging, Biomarkers and Lifestyle Study of Ageing. Molecular Psychiatry, 2013, 18, 875-881.	4.1	185
5	Blood-based molecular biomarkers for Alzheimer's disease. Molecular Brain, 2019, 12, 26.	1.3	180
6	Clinical and cognitive trajectories in cognitively healthy elderly individuals with suspected non-Alzheimer's disease pathophysiology (SNAP) or Alzheimer's disease pathology: a longitudinal study. Lancet Neurology, The, 2016, 15, 1044-1053.	4.9	175
7	Sex, amyloid, and <i>APOE</i> ε4 and risk of cognitive decline in preclinical Alzheimer's disease: Findings from three well‐characterized cohorts. Alzheimer's and Dementia, 2018, 14, 1193-1203.	0.4	169
8	A blood-based predictor for neocortical Aβ burden in Alzheimer's disease: results from the AIBL study. Molecular Psychiatry, 2014, 19, 519-526.	4.1	108
9	Aβ-amyloid and Tau Imaging in Dementia. Seminars in Nuclear Medicine, 2017, 47, 75-88.	2.5	96
10	Alzheimer's Disease: A Journey from Amyloid Peptides and Oxidative Stress, to Biomarker Technologies and Disease Prevention Strategies—Gains from AIBL and DIAN Cohort Studies. Journal of Alzheimer's Disease, 2018, 62, 965-992.	1.2	96
11	Intense physical activity is associated with cognitive performance in the elderly. Translational Psychiatry, 2012, 2, e191-e191.	2.4	93
12	Association of β-Amyloid and Apolipoprotein E ε4 With Memory Decline in Preclinical Alzheimer Disease. JAMA Neurology, 2018, 75, 488.	4.5	70
13	Insulin resistance is associated with reductions in specific cognitive domains and increases in CSF tau in cognitively normal adults. Scientific Reports, 2017, 7, 9766.	1.6	59
14	Fifteen Years of the Australian Imaging, Biomarkers and Lifestyle (AIBL) Study: Progress and Observations from 2,359 Older Adults Spanning the Spectrum from Cognitive Normality to Alzheimer's Disease. Journal of Alzheimer's Disease Reports, 2021, 5, 443-468.	1.2	59
15	Influence of <i>BDNF</i> Val66Met on the relationship between physical activity and brain volume. Neurology, 2014, 83, 1345-1352.	1.5	58
16	Blood Protein Markers of Neocortical Amyloid-β Burden: A Candidate Study Using SOMAscan Technology. Journal of Alzheimer's Disease, 2015, 46, 947-961.	1.2	49
17	COMPUTERIZED COGNITIVE TESTING FOR USE IN CLINICAL TRIALS: A COMPARISON OF THE NIH TOOLBOX AND COGSTATE C3 BATTERIES. journal of prevention of Alzheimer's disease, The, 2017, 4, 1-9.	1.5	46
18	Associations of Dietary Protein and Fiber Intake with Brain and Blood Amyloid-β. Journal of Alzheimer's Disease, 2018, 61, 1589-1598.	1.2	44

#	ARTICLE	IF	CITATIONS
19	Plasma Amyloid-β Levels are Significantly Associated with a Transition Toward Alzheimer's Disease as Measured by Cognitive Decline and Change in Neocortical Amyloid Burden. Journal of Alzheimer's Disease, 2014, 40, 95-104.	1.2	41
20	Structural core of the executive control network: A high angular resolution diffusion MRI study. Human Brain Mapping, 2020, 41, 1226-1236.	1.9	40
21	Elecsys CSF biomarker immunoassays demonstrate concordance with amyloid-PET imaging. Alzheimer's Research and Therapy, 2020, 12, 36.	3.0	39
22	THE FEASIBILITY OF AT-HOME IPAD COGNITIVE TESTING FOR USE IN CLINICAL TRIALS. journal of prevention of Alzheimer's disease, The, 2016, 3, 1-5.	1.5	39
23	Decreased serum zinc is an effect of ageing and not Alzheimer's disease. Metallomics, 2014, 6, 1216-1219.	1.0	34
24	Association of β-Amyloid Level, Clinical Progression, and Longitudinal Cognitive Change in Normal Older Individuals. Neurology, 2021, 96, e662-e670.	1.5	34
25	Impact of APOE-ε4 carriage on the onset and rates of neocortical Aβ-amyloid deposition. Neurobiology of Aging, 2020, 95, 46-55.	1.5	32
26	KIBRA is associated with accelerated cognitive decline and hippocampal atrophy in APOE ε4-positive cognitively normal adults with high Aβ-amyloid burden. Scientific Reports, 2018, 8, 2034.	1.6	31
27	Relationship between amyloid and tau levels and its impact on tau spreading. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2225-2232.	3.3	30
28	Novel Statistically-Derived Composite Measures for Assessing the Efficacy of Disease-Modifying Therapies in Prodromal Alzheimer's Disease Trials: An AIBL Study. Journal of Alzheimer's Disease, 2015, 46, 1079-1089.	1.2	28
29	Self-Reported Physical Activity is Associated with Tau Burden Measured by Positron Emission Tomography. Journal of Alzheimer's Disease, 2018, 63, 1299-1305.	1.2	28
30	Utility of an Alzheimer's Disease Risk-Weighted Polygenic Risk Score for Predicting Rates of Cognitive Decline in Preclinical Alzheimer's Disease: A Prospective Longitudinal Study. Journal of Alzheimer's Disease, 2018, 66, 1193-1211.	1.2	27
31	Predicting Alzheimer disease from a blood-based biomarker profile. Neurology, 2016, 87, 1093-1101.	1.5	26
32	Klotho allele status is not associated with Aβ and APOE ε4–related cognitive decline in preclinical Alzheimer's disease. Neurobiology of Aging, 2019, 76, 162-165.	1.5	23
33	Mesial temporal tau is related to worse cognitive performance and greater neocortical tau load in amyloid-β–negative cognitively normal individuals. Neurobiology of Aging, 2021, 97, 41-48.	1.5	23
34	Follow-up plasma apolipoprotein E levels in the Australian Imaging, Biomarkers and Lifestyle Flagship Study of Ageing (AIBL) cohort. Alzheimer's Research and Therapy, 2015, 7, 16.	3.0	22
35	Characteristics of subjective cognitive decline associated with amyloid positivity. Alzheimer's and Dementia, 2022, 18, 1832-1845.	0.4	22
36	Longitudinal evaluation of the natural history of amyloid-β in plasma and brain. Brain Communications, 2020, 2, fcaa041.	1.5	21

#	Article	IF	Citations
37	Inference of chemical reaction networks. Chemical Engineering Science, 2008, 63, 862-873.	1.9	20
38	Constructing longitudinal disease progression curves using sparse, short‐term individual data with an application to Alzheimer's disease. Statistics in Medicine, 2017, 36, 2720-2734.	0.8	20
39	APPLICATION OF THE NIA-AA RESEARCH FRAMEWORK: TOWARDS A BIOLOGICAL DEFINITION OF ALZHEIMER'S DISEASE USING CEREBROSPINAL FLUID BIOMARKERS IN THE AIBL STUDY. journal of prevention of Alzheimer's disease, The, 2019, 6, 1-8.	1.5	20
40	Baseline Amnestic Severity Predicts Progression From Amnestic Mild Cognitive Impairment to Alzheimer Disease Dementia at 3 Years. Alzheimer Disease and Associated Disorders, 2018, 32, 190-196.	0.6	19
41	Using subjective cognitive decline to identify high global amyloid in community‐based samples: A cross‐cohort study. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 670-678.	1.2	19
42	Diminished Learning Over Repeated Exposures (LORE) in preclinical Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12132.	1.2	19
43	A Polygenic Risk Score Derived From Episodic Memory Weighted Genetic Variants Is Associated With Cognitive Decline in Preclinical Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 423.	1.7	16
44	The relationship between subacromial bursa thickness on ultrasound and shoulder pain in open water endurance swimmers over time. Journal of Science and Medicine in Sport, 2015, 18, 373-377.	0.6	15
45	Cognitive gene risk profile for the prediction of cognitive decline in presymptomatic Alzheimer's disease. Personalized Medicine in Psychiatry, 2018, 7-8, 14-20.	0.1	13
46	Subjective memory complaints predict baseline but not future cognitive function over three years: results from the Western Australia Memory Study. International Psychogeriatrics, 2019, 31, 513-525.	0.6	13
47	Increased Carbohydrate Intake is Associated with Poorer Performance in Verbal Memory and Attention in an APOE Genotype-Dependent Manner. Journal of Alzheimer's Disease, 2017, 58, 193-201.	1.2	12
48	Mesial temporal tau in amyloid-β-negative cognitively normal older persons. Alzheimer's Research and Therapy, 2022, 14, 51.	3.0	12
49	Effect of Pupil Dilation with Tropicamide on Retinal Vascular Caliber. Ophthalmic Epidemiology, 2019, 26, 400-407.	0.8	10
50	Visually Identified Tau 18F-MK6240 PET Patterns in Symptomatic Alzheimer's Disease. Journal of Alzheimer's Disease, 2022, , 1-11.	1.2	7
51	The dawn of robust individualised risk models for dementia. Lancet Neurology, The, 2019, 18, 985-987.	4.9	6
52	COMT val158met is not associated with Aβ-amyloid and APOE ϵ4 related cognitive decline in cognitively normal older adults. IBRO Reports, 2019, 6, 147-152.	0.3	5
53	SPON1 Is Associated with Amyloid-β and APOE ϵ4-Related Cognitive Decline in Cognitively Normal Adults. Journal of Alzheimer's Disease Reports, 2021, 5, 111-120.	1.2	5
54	Alzheimer's disease research progress in Australia: The Alzheimer's Association International Conference Satellite Symposium in Sydney. Alzheimer's and Dementia, 2022, 18, 178-190.	0.4	5

#	Article	IF	Citations
55	Aggregation of Abnormal Memory Scores and Risk of Incident Alzheimer's Disease Dementia: A Measure of Objective Memory Impairment in Amnestic Mild Cognitive Impairment. Journal of the International Neuropsychological Society, 2021, 27, 146-157.	1.2	3
56	IDENTIFYING CHEMICAL REACTION NETWORK MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 225-230.	0.4	2
57	Determining Reaction Networks. Computer Aided Chemical Engineering, 2009, 27, 561-566.	0.3	2
58	P4-293: COMPARISON OF THREE NORMATIVE DATA CORRECTION APPROACHES: A CROSS-SECTIONAL EVALUATION IN THE AIBL STUDY. , 2014, 10, P891-P892.		2
59	[P4–465]: IMPLEMENTING THE ATN CLASSIFICATION IN AIBL. Alzheimer's and Dementia, 2017, 13, P1511.	0.4	1
60	Examining Relationships among Subjective Cognitive Concerns and Positive and Negative Afffect in Cognitvely Normal Older Adults Using a Weekly, Internet-Based Method: A Pilot Study. American Journal of Geriatric Psychiatry, 2018, 26, S95-S96.	0.6	1
61	Connecting Cohorts to Diminish Alzheimer's Disease (CONCORD-AD): A Report of an International Research Collaboration Network. Journal of Alzheimer's Disease, 2021, , 1-15.	1.2	1
62	[P4–464]: THE IMPACT OF <i>APOE</i> ϵ4 CARRIAGE ON Aβ–AMYLOID DEPOSITION IN AIBL. Alzheimer's and Dementia, 2017, 13, P1510.	0.4	0
63	The trinity of tau, trauma, and time. Lancet Neurology, The, 2019, 18, 715-717.	4.9	0
64	Identification of Functional Connectivity Features in Depression Subtypes Using a Data-Driven Approach. Lecture Notes in Computer Science, 2019, , 96-103.	1.0	0
65	Aβ Imaging in Aging, Alzheimer's Disease, and Other Neurodegenerative Conditions. , 2021, , 283-343.		0