

Samuel N Lockhart

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

4,985
citations

257101

24
h-index

123241

61
g-index

104
all docs

104
docs citations

104
times ranked

6271
citing authors

#	ARTICLE	IF	CITATIONS
1	PET Imaging of Tau Deposition in the Aging Human Brain. <i>Neuron</i> , 2016, 89, 971-982.	3.8	899
2	Tau PET patterns mirror clinical and neuroanatomical variability in Alzheimer's disease. <i>Brain</i> , 2016, 139, 1551-1567.	3.7	833
3	Vascular dysfunction—The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 158-167.	0.4	454
4	Comparison of multiple tau-PET measures as biomarkers in aging and Alzheimer's disease. <i>NeuroImage</i> , 2017, 157, 448-463.	2.1	341
5	White matter hyperintensities in vascular contributions to cognitive impairment and dementia (VCID): Knowledge gaps and opportunities. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 107-117.	1.8	250
6	Entorhinal Tau Pathology, Episodic Memory Decline, and Neurodegeneration in Aging. <i>Journal of Neuroscience</i> , 2018, 38, 530-543.	1.7	201
7	Structural Imaging Measures of Brain Aging. <i>Neuropsychology Review</i> , 2014, 24, 271-289.	2.5	199
8	Multisite study of the relationships between <i>antemortem</i> [¹¹ C]PIB-PET Centiloid values and <i>postmortem</i> measures of Alzheimer's disease neuropathology. <i>Alzheimer's and Dementia</i> , 2019, 15, 205-216.	0.4	155
9	White Matter Hyperintensities and Their Penumbra Lie Along a Continuum of Injury in the Aging Brain. <i>Stroke</i> , 2014, 45, 1721-1726.	1.0	148
10	Modified ketogenic diet is associated with improved cerebrospinal fluid biomarker profile, cerebral perfusion, and cerebral ketone body uptake in older adults at risk for Alzheimer's disease: a pilot study. <i>Neurobiology of Aging</i> , 2020, 86, 54-63.	1.5	136
11	Local and distant relationships between amyloid, tau and neurodegeneration in Alzheimer's Disease. <i>NeuroImage: Clinical</i> , 2018, 17, 452-464.	1.4	126
12	Tau and β -Amyloid Are Associated with Medial Temporal Lobe Structure, Function, and Memory Encoding in Normal Aging. <i>Journal of Neuroscience</i> , 2017, 37, 3192-3201.	1.7	110
13	Subthreshold Amyloid Predicts Tau Deposition in Aging. <i>Journal of Neuroscience</i> , 2018, 38, 4482-4489.	1.7	101
14	Episodic memory function is associated with multiple measures of white matter integrity in cognitive aging. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 56.	1.0	100
15	Reference Tissue-Based Kinetic Evaluation of ¹⁸ F-AV-1451 for Tau Imaging. <i>Journal of Nuclear Medicine</i> , 2017, 58, 332-338.	2.8	94
16	Dynamic PET Measures of Tau Accumulation in Cognitively Normal Older Adults and Alzheimer's Disease Patients Measured Using [¹⁸ F] THK-5351. <i>PLoS ONE</i> , 2016, 11, e0158460.	1.1	85
17	Amyloid and tau PET demonstrate region-specific associations in normal older people. <i>NeuroImage</i> , 2017, 150, 191-199.	2.1	67
18	Machine learning based hierarchical classification of frontotemporal dementia and Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019, 23, 101811.	1.4	62

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19	Relationships Between Tau and Glucose Metabolism Reflect Alzheimer's Disease Pathology in Cognitively Normal Older Adults. <i>Cerebral Cortex</i> , 2019, 29, 1997-2009.	1.6	61
20	Machine Learning-based Individual Assessment of Cortical Atrophy Pattern in Alzheimer's Disease Spectrum: Development of the Classifier and Longitudinal Evaluation. <i>Scientific Reports</i> , 2018, 8, 4161.	1.6	39
21	Elevated ¹⁸ F-AV-1451 PET tracer uptake detected in incidental imaging findings. <i>Neurology</i> , 2017, 88, 1095-1097.	1.5	38
22	A Nomogram for Predicting Amyloid PET Positivity in Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 681-691.	1.2	38
23	Prediction Model of Conversion to Dementia Risk in Subjects with Amnesic Mild Cognitive Impairment: A Longitudinal, Multi-Center Clinic-Based Study. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1579-1587.	1.2	30
24	Amyloid involvement in subcortical regions predicts cognitive decline. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2368-2376.	3.3	30
25	White Matter Hyperintensities among Older Adults Are Associated with Futile Increase in Frontal Activation and Functional Connectivity during Spatial Search. <i>PLoS ONE</i> , 2015, 10, e0122445.	1.1	28
26	Alzheimer Disease Signature Neurodegeneration and APOE Genotype in Mild Cognitive Impairment With Suspected Non-Alzheimer Disease Pathophysiology. <i>JAMA Neurology</i> , 2017, 74, 650.	4.5	24
27	Relationship Between Cerebrovascular Reactivity and Cognition Among People With Risk of Cognitive Decline. <i>Frontiers in Physiology</i> , 2021, 12, 645342.	1.3	24
28	A new Centiloid method for 18F-florbetaben and 18F-flutemetamol PET without conversion to PiB. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1938-1948.	3.3	23
29	Intranasal insulin modulates cerebrospinal fluid markers of neuroinflammation in mild cognitive impairment and Alzheimer's disease: a randomized trial. <i>Scientific Reports</i> , 2022, 12, 1346.	1.6	22
30	Prediction of fast decline in amyloid positive mild cognitive impairment patients using multimodal biomarkers. <i>NeuroImage: Clinical</i> , 2019, 24, 101941.	1.4	21
31	Associations among vascular risk factors, neuroimaging biomarkers, and cognition: Preliminary analyses from the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Alzheimer's and Dementia</i> , 2022, 18, 551-560.	0.4	19
32	Sex-specific relationship of cardiometabolic syndrome with lower cortical thickness. <i>Neurology</i> , 2019, 93, e1045-e1057.	1.5	16
33	Prediction Models of Cognitive Trajectories in Patients with Nonamnesic Mild Cognitive Impairment. <i>Scientific Reports</i> , 2018, 8, 10468.	1.6	15
34	Application of an amyloid and tau classification system in subcortical vascular cognitive impairment patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 292-303.	3.3	15
35	Diet, psychosocial stress, and Alzheimer's disease-related neuroanatomy in female nonhuman primates. <i>Alzheimer's and Dementia</i> , 2021, 17, 733-744.	0.4	15
36	Sex-Related Differences in Brain Volumes and Cerebral Blood Flow Among Overweight and Obese Adults With Type 2 Diabetes: Exploratory Analyses From the Action for Health in Diabetes Brain Magnetic Resonance Imaging Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 771-778.	1.7	14

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37	White matter hyperintensities are associated with visual search behavior independent of generalized slowing in aging. <i>Neuropsychologia</i> , 2014, 52, 93-101.	0.7	13
38	Head-to-Head Comparison of 18F-Florbetaben and 18F-Flutemetamol in the Cortical and Striatal Regions. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 281-290.	1.2	13
39	Imaging-based indices of Neuropathology and gait speed decline in older adults: the atherosclerosis risk in communities study. <i>Brain Imaging and Behavior</i> , 2021, 15, 2387-2396.	1.1	12
40	Tract-Specific Correlates of Neuropsychological Deficits in Patients with Subcortical Vascular Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 1125-1135.	1.2	11
41	Distinct amyloid distribution patterns in amyloid positive subcortical vascular cognitive impairment. <i>Scientific Reports</i> , 2018, 8, 16178.	1.6	11
42	Centiloid method evaluation for amyloid PET of subcortical vascular dementia. <i>Scientific Reports</i> , 2017, 7, 16322.	1.6	8
43	Sex-Related Reserve Hypothesis in Alzheimer's Disease: Changes in Cortical Thickness with a Five-Year Longitudinal Follow-Up. <i>Journal of Alzheimer's Disease</i> , 2018, 65, 641-649.	1.2	8
44	Reduced forced vital capacity is associated with cerebral small vessel disease burden in cognitively normal individuals. <i>NeuroImage: Clinical</i> , 2020, 25, 102140.	1.4	8
45	Blood Pressure's Role in Alzheimer Disease Pathology. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, 23-24.	0.6	7
46	Decreased Levels of Blood AMPK α 1 but not AMPK α 2 Isoform in Patients with Mild Cognitive Impairment and Alzheimer's Disease: A Pilot Study. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 217-224.	1.2	7
47	CSF glucose tracks regional tau progression based on Alzheimer's disease risk factors. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020, 6, e12080.	1.8	6
48	Neuroimaging of the Aging Brain: Introduction to the Special Issue of Neuropsychology Review. <i>Neuropsychology Review</i> , 2014, 24, 267-270.	2.5	5
49	IC-01-05: In vivo braak staging using 18F-AV1451 Tau PET imaging. , 2015, 11, P4-P4.		5
50	Diagonal Earlobe Crease is a Visible Sign for Cerebral Small Vessel Disease and Amyloid- β . <i>Scientific Reports</i> , 2017, 7, 13397.	1.6	5
51	Differences in neuroimaging features of early- versus late-onset nonfluent/agrammatic primary progressive aphasia. <i>Neurobiology of Aging</i> , 2020, 86, 92-101.	1.5	5
52	IC-P-161: Tau PET with [18 F]AV1451 in non-alzheimer's disease neurodegenerative syndromes. , 2015, 11, P107-P109.		4
53	Spatially Adaptive Varying Correlation Analysis for Multimodal Neuroimaging Data. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 113-123.	5.4	4
54	Scan-Time Corrections for 80-100-min Standardized Uptake Volume Ratios to Measure the ¹⁸ F-AV-1451 Tracer for Tau Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 697-709.	5.4	4

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55	Simultaneous Covariance Inference for Multimodal Integrative Analysis. Journal of the American Statistical Association, 2020, 115, 1279-1291.	1.8	3
56	U.S. POINTER Imaging: Study design and launch. Alzheimer's and Dementia, 2020, 16, e038414.	0.4	3
57	P1â€³18: TAUâ€³PET Patterns Overlap and Exceed Hypometabolism in Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P545.	0.4	2
58	IC-02-02: Distinct [18 F]AV1451 retention patterns in clinical variants of Alzheimer's disease. , 2015, 11, P5-P6.		1
59	ICâ€³Pâ€³181: TAUâ€³PET Patterns Overlap and Exceed Hypometabolism in Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P132.	0.4	1
60	[P4â€³052]: PARTIAL VOLUME EFFECTS AND MEDIAL TEMPORAL LOBE TAU QUANTITATION WITH PET. Alzheimer's and Dementia, 2017, 13, P1277.	0.4	1
61	[ICâ€³Pâ€³124]: MEDIAL TEMPORAL LOBE TAU IS STRONGLY RELATED TO EPISODIC MEMORY DECLINE IN AGING. Alzheimer's and Dementia, 2017, 13, P94.	0.4	1
62	[O5â€³05â€³02]: THE ROLE OF Î²â€³AMYLOID IN SUPERAGERS WITH SUPERIOR MEMORY PERFORMANCE AND PRESERVED BRAIN MORPHOMETRY. Alzheimer's and Dementia, 2017, 13, P1463.	0.4	1
63	P3â€³401: DIETâ€³RELATED ALTERATIONS IN WHITE MATTER MICROSTRUCTURE IN PARTICIPANTS AT RISK FOR AD. Alzheimer's and Dementia, 2019, 15, P1106.	0.4	1
64	The ketogenic diet as a potential prevention or therapeutic strategy for AD. Alzheimer's and Dementia, 2020, 16, e038148.	0.4	1
65	Cognitive status, brain amyloid pathology, and neurodegeneration are associated with altered white matter microstructure. Alzheimer's and Dementia, 2020, 16, e044876.	0.4	1
66	IC-P-168: Examining relations of age and beta-amyloid with tau deposition measured using 18F-AV-1451 in cognitively normal older adults. , 2015, 11, P111-P112.		0
67	F2-03-01: Tau and amyloid neuroimaging of ad phenotypes. , 2015, 11, P167-P167.		0
68	O5-01-04: Cognitive decline in healthy elderly is related to temporal lobe tau but not to cortical Î²-amyloid: An 18F-AV1451 and 11C-PiB PET study. , 2015, 11, P313-P314.		0
69	IC-P-193: Examining Amyloid and TAU Inter-Regional PET Association Patterns in Cognitively Normal Older Adults. , 2016, 12, P139-P140.		0
70	O1â€³01â€³03: Normal Cognition Despite Very High Risk for Alzheimer's Disease: Neuroimaging and Neuropsychological Insights Into Resilient Brain Aging. Alzheimer's and Dementia, 2016, 12, P170.	0.4	0
71	IC-P-055: Centiloid Thresholds for Amyloid Positivity Derived from Autopsy-Proven Cases. , 2016, 12, P45-P46.		0
72	P1â€³295: SNAP: Alzheimer's Disease Plus Overlapping Nonâ€³Ad Patterns in The Aging Brain?. Alzheimer's and Dementia, 2016, 12, P533.	0.4	0

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73	P2â€285: CENTILOID THRESHOLDS FOR AMYLOID POSITIVITY DERIVED FROM AUTOPSYâ€PROVEN CASES. Alzheimer's and Dementia, 2016, 12, P739.	0.4	0
74	IC-P-131: Normal Cognition Despite Very High Risk for Alzheimerâ€™s Disease: Neuroimaging and Neuropsychological Insights Into Resilient Brain Aging. , 2016, 12, P98-P99.		0
75	O4-01-05: Examining Amyloid and Tau Inter-Regional Pet Association Patterns in Cognitively Normal Older Adults. , 2016, 12, P332-P333.		0
76	O4-09-01: An Nrem Sleep Signature of Human in Vivo TAU Burden. , 2016, 12, P353-P353.		0
77	[ICâ€Pâ€190]: ASSOCIATIONS BETWEEN HIPPOCAMPAL AVâ€1451 DEPOSITION AND LIMBIC WHITE MATTER INTEGRITY IN NORMAL AGING. Alzheimer's and Dementia, 2017, 13, P140.	0.4	0
78	[O1â€06â€03]: EFFECTS OF TAU DEPOSITION ON CEREBRAL GLUCOSE METABOLISM IN NORMAL OLDER ADULTS VARY BY AMYLOID LEVEL. Alzheimer's and Dementia, 2017, 13, P202.	0.4	0
79	[O5â€05â€06]: MEDIAL TEMPORAL LOBE TAU IS STRONGLY RELATED TO EPISODIC MEMORY DECLINE IN AGING. Alzheimer's and Dementia, 2017, 13, P1466.	0.4	0
80	P2â€443: INVESTIGATING THE IMPACTS OF DIABETIC STATUS AND COGNITIVE DIAGNOSIS ON AD SIGNATURE CORTICAL THICKNESS. Alzheimer's and Dementia, 2018, 14, P885.	0.4	0
81	P2â€356: USING MULTIMODAL IMAGING BIOMARKERS TO PREDICT COGNITIVE STATUS IN A COMMUNITYâ€DWELLING OLDER ADULT COHORT. Alzheimer's and Dementia, 2018, 14, P825.	0.4	0
82	P3â€393: A NOMOGRAM FOR PREDICTING AMYLOID PET POSITIVITY IN AMNESTIC MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2018, 14, P1248.	0.4	0
83	ICâ€Pâ€050: AMYLOID DEPOSITION IN THE SUBCORTICAL REGION PREDICTS COGNITIVE DECLINE. Alzheimer's and Dementia, 2018, 14, P49.	0.4	0
84	ICâ€Pâ€100: USING MULTIMODAL IMAGING BIOMARKERS TO PREDICT COGNITIVE STATUS IN A COMMUNITYâ€DWELLING OLDER ADULT COHORT. Alzheimer's and Dementia, 2018, 14, P86.	0.4	0
85	ICâ€Pâ€156: DIETâ€RELATED ALTERATIONS IN WHITE MATTER MICROSTRUCTURE IN PARTICIPANTS AT RISK FOR AD. Alzheimer's and Dementia, 2019, 15, P125.	0.4	0
86	Clinical Effects of Frontal Behavioral Impairment: Cortical Thickness and Cognitive Decline in Individuals with Subjective Cognitive Decline and Amnesic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2019, 69, 213-225.	1.2	0
87	ICâ€Pâ€013: VASCULAR RISK FACTORS AND MULTIMODAL NEUROIMAGING BIOMARKERS: PRELIMINARY ANALYSES FROM THE MULTIETHNIC STUDY OF ATHEROSCLEROSIS (MESA). Alzheimer's and Dementia, 2019, 15, P22.	0.4	0
88	ICâ€Pâ€155: SEXâ€RELATED DIFFERENCES IN BRAIN VOLUMES AND CEREBRAL BLOOD FLOW AMONG OVERWEIGHT AND OBESE ADULTS WITH TYPE 2 DIABETES. Alzheimer's and Dementia, 2019, 15, P125.	0.4	0
89	Associations between amyloidâ€P, white matter disease, functional brain networks, and mobility function: Possible indicators of reserve and resilience. Alzheimer's and Dementia, 2020, 16, e041213.	0.4	0
90	Mediterranean versus western diet effects on cerebral cortical thickness and volume in cynomolgus macaques. Alzheimer's and Dementia, 2020, 16, e044554.	0.4	0

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91	Relationship between cerebrovascular reactivity and cognition among people with risk of cognitive decline. <i>Alzheimer's and Dementia</i> , 2020, 16, e044578.	0.4	0
92	Lower cortical thickness is associated with reduced gray matter cerebral blood flow across the AD continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e044774.	0.4	0
93	Investigating neuroimaging differences by cognitive and metabolic status in a community-dwelling cohort. <i>Alzheimer's and Dementia</i> , 2020, 16, e045658.	0.4	0
94	Heart failure with preserved ejection fraction (HFpEF) is associated with cognitive impairment and reduced brain volume. <i>Alzheimer's and Dementia</i> , 2020, 16, e046641.	0.4	0
95	The association between low social support and risk of cognitive impairment is partially mediated by neuroanatomic biomarkers of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e043035.	0.4	0
96	Cardiometabolic disorders are associated with reduced cerebral perfusion and white matter microstructure. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0