

Auriel A Willette

List of Publications by Year in descending order

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55
papers

2,276
citations

257101

24
h-index

223531

46
g-index

62
all docs

62
docs citations

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times ranked

4617
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Insulin Resistance With Cerebral Glucose Uptake in Late Middleâ€Aged Adults at Risk for Alzheimer Disease. <i>JAMA Neurology</i> , 2015, 72, 1013.	4.5	305
2	Insulin resistance predicts brain amyloid deposition in late middleâ€Aged adults. <i>Alzheimer's and Dementia</i> , 2015, 11, 504.	0.4	196
3	Insulin Resistance, Brain Atrophy, and Cognitive Performance in Late Middleâ€Aged Adults. <i>Diabetes Care</i> , 2013, 36, 443-449.	4.3	173
4	Posteromedial cortex glutamate and GABA predict intrinsic functional connectivity of the default mode network. <i>NeuroImage</i> , 2013, 64, 112-119.	2.1	170
5	Does the brain shrink as the waist expands?. <i>Ageing Research Reviews</i> , 2015, 20, 86-97.	5.0	133
6	Low cerebral blood flow is associated with lower memory function in metabolic syndrome. <i>Obesity</i> , 2013, 21, 1313-1320.	1.5	117
7	Insulin Resistance Predicts Medial Temporal Hypermetabolism in Mild Cognitive Impairment Conversion to Alzheimer Disease. <i>Diabetes</i> , 2015, 64, 1933-1940.	0.3	94
8	CSF T-Tau/A β 242 Predicts White Matter Microstructure in Healthy Adults at Risk for Alzheimerâ€™s Disease. <i>PLoS ONE</i> , 2012, 7, e37720.	1.1	84
9	Brain enlargement and increased behavioral and cytokine reactivity in infant monkeys following acute prenatal endotoxemia. <i>Behavioural Brain Research</i> , 2011, 219, 108-115.	1.2	79
10	The Gut-Brain Axis in Neurodegenerative Diseases and Relevance of the Canine Model: A Review. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 130.	1.7	76
11	Environmental context differentially affects behavioral, leukocyte, cortisol, and interleukin-6 responses to low doses of endotoxin in the rhesus monkey. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 807-815.	2.0	69
12	A Calorie-Restricted Diet Decreases Brain Iron Accumulation and Preserves Motor Performance in Old Rhesus Monkeys. <i>Journal of Neuroscience</i> , 2010, 30, 7940-7947.	1.7	64
13	Age-related changes in neural volume and microstructure associated with interleukin-6 are ameliorated by a calorie-restricted diet in old rhesus monkeys. <i>NeuroImage</i> , 2010, 51, 987-994.	2.1	54
14	Neuronal Pentraxin 2 predicts medial temporal atrophy and memory decline across the Alzheimerâ€™s disease spectrum. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 201-208.	2.0	51
15	Calorie Restriction Reduces the Influence of Glucoregulatory Dysfunction on Regional Brain Volume in Aged Rhesus Monkeys. <i>Diabetes</i> , 2012, 61, 1036-1042.	0.3	44
16	Prognostic classification of mild cognitive impairment and Alzheimer's disease: MRI independent component analysis. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 81-88.	0.9	40
17	Neuroinflammation in Alzheimerâ€™s disease: Pleiotropic roles for cytokines and neuronal pentraxins. <i>Behavioural Brain Research</i> , 2018, 347, 49-56.	1.2	39
18	Cholecystokinin and Alzheimer's disease: a biomarker of metabolic function, neural integrity, and cognitive performance. <i>Neurobiology of Aging</i> , 2019, 76, 201-207.	1.5	37

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19	Calorie restriction reduces psychological stress reactivity and its association with brain volume and microstructure in aged rhesus monkeys. <i>Psychoneuroendocrinology</i> , 2012, 37, 903-916.	1.3	36
20	Brain volumetric and microstructural correlates of executive and motor performance in aged rhesus monkeys. <i>Frontiers in Aging Neuroscience</i> , 2012, 4, 31.	1.7	34
21	White Matter Microstructural Integrity and Executive Function in Parkinson's Disease. <i>Journal of the International Neuropsychological Society</i> , 2013, 19, 349-354.	1.2	34
22	Impact of COVID-19 on the Onset and Progression of Alzheimer's Disease and Related Dementias: A Roadmap for Future Research. <i>Alzheimer's and Dementia</i> , 2022, 18, 1038-1046.	0.4	34
23	A Calorie-Restricted Diet Decreases Brain Iron Accumulation and Preserves Motor Performance in Old Rhesus Monkeys. <i>Journal of Neuroscience</i> , 2012, 32, 11897-11904.	1.7	31
24	Homocysteine, neural atrophy, and the effect of caloric restriction in rhesus monkeys. <i>Neurobiology of Aging</i> , 2012, 33, 670-680.	1.5	26
25	Autotaxin is Related to Metabolic Dysfunction and Predicts Alzheimer's Disease Outcomes. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 403-413.	1.2	24
26	Calorie restriction attenuates astrogliosis but not amyloid plaque load in aged rhesus macaques: A preliminary quantitative imaging study. <i>Brain Research</i> , 2013, 1508, 1-8.	1.1	20
27	Inflammation, negative affect, and amyloid burden in Alzheimer's disease: Insights from the kynurenine pathway. <i>Brain, Behavior, and Immunity</i> , 2021, 95, 216-225.	2.0	19
28	Utilization of the CRISPR-Cas9 Gene Editing System to Dissect Neuroinflammatory and Neuropharmacological Mechanisms in Parkinson's Disease. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 595-607.	2.1	16
29	Ageing-related changes in fluid intelligence, muscle and adipose mass, and sex-specific immunologic mediation: A longitudinal UK Biobank study. <i>Brain, Behavior, and Immunity</i> , 2019, 82, 396-405.	2.0	15
30	Genetic Factors of Alzheimer's Disease Modulate How Diet is Associated with Long-Term Cognitive Trajectories: A UK Biobank Study. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 1245-1257.	1.2	15
31	NSAIDs may protect against age-related brain atrophy. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, .	1.7	14
32	Peripheral versus Central Index of Metabolic Dysfunction and Associations with Clinical and Pathological Outcomes in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1313-1324.	1.2	13
33	Is Cerebrospinal Fluid Superoxide Dismutase 1 a Biomarker of Tau But Not Amyloid-Induced Neurodegeneration in Alzheimer's Disease?. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 572-578.	2.5	13
34	Family history and TOMM40 '523 interactive associations with memory in middle-aged and Alzheimer's disease cohorts. <i>Alzheimer's and Dementia</i> , 2017, 13, 1217-1225.	0.4	12
35	Ageing modifies the effect of GCH1 RS11158026 on DAT uptake and Parkinson's disease clinical severity. <i>Neurobiology of Aging</i> , 2017, 50, 39-46.	1.5	11
36	Using machine learning to predict COVID-19 infection and severity risk among 4510 aged adults: a UK Biobank cohort study. <i>Scientific Reports</i> , 2022, 12, 7736.	1.6	11

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37	Treatment With Hydrolyzed Diet Supplemented With Prebiotics and Glycosaminoglycans Alters Lipid Metabolism in Canine Inflammatory Bowel Disease. <i>Frontiers in Veterinary Science</i> , 2020, 7, 451.	0.9	10
38	<i>Clostridioides difficile</i> Infection Dysregulates Brain Dopamine Metabolism. <i>Microbiology Spectrum</i> , 2022, 10, e0007322.	1.2	10
39	Infantile Iron Deficiency Affects Brain Development in Monkeys Even After Treatment of Anemia. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 624107.	1.0	9
40	Effect of age and calorie restriction on corpus callosal integrity in rhesus macaques: A fiber tractography study. <i>Neuroscience Letters</i> , 2014, 569, 38-42.	1.0	8
41	APOE, TOMM40, and sex interactions on neural network connectivity. <i>Neurobiology of Aging</i> , 2022, 109, 158-165.	1.5	8
42	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
43	Insulin Resistance and APOE ϵ 4. <i>JAMA Neurology</i> , 2015, 72, 1536.	4.5	4
44	Big Data and Parkinson's Disease: Exploration, Analyses, and Data Challenges.. , 2018, , .		4
45	Beer, wine, and spirits differentially influence body composition in older White adults â€”a UK Biobank study. <i>Obesity Science and Practice</i> , 0, , .	1.0	4
46	Neural, Hormonal, and Cognitive Correlates of Metabolic Dysfunction and Emotional Reactivity. <i>Psychosomatic Medicine</i> , 2018, 80, 452-459.	1.3	3
47	Walking in the Light: How History of Physical Activity, Sunlight, and Vitamin D Account for Body Fatâ€”A UK Biobank Study. <i>Obesity</i> , 2020, 28, 1428-1437.	1.5	2
48	[O1â€”01â€”01]: NEUROINFLAMMATION, DEPRESSION AND ALZHEIMER'S DISEASE: INSIGHTS FROM THE KYNURENINE PATHWAY. <i>Alzheimer's and Dementia</i> , 2017, 13, P181.	0.4	1
49	ICâ€”065: AD Family History in Nonâ€”APOE4S Modulates The Effects of '523 TOMM40 on Neuropathology and Memory Decline. <i>Alzheimer's and Dementia</i> , 2016, 12, P51.	0.4	0
50	P2â€”075: Alzheimer's Disease Family History Modulates Effects of '523 TOMM40 on Memory Decline and Medial Temporal Pathology. <i>Alzheimer's and Dementia</i> , 2016, 12, P636.	0.4	0
51	Confounders Regarding the Association of Insulin Resistance and Alzheimer Diseaseâ€”Reply. <i>JAMA Neurology</i> , 2016, 73, 240.	4.5	0
52	[ICâ€”066]: AD FAMILY HISTORY MODULATES EFFECTS OF TOMM40 â€”523â€” POLYâ€” ON MTL ATROPHY AND HYPOMETABOLISM IN PRECLINICAL AND AD COHORTS. <i>Alzheimer's and Dementia</i> , 2017, 13, P54.	0.4	0
53	Sex and sex hormones largely explain associations between glucose levels and brain atrophy in ADâ€”sensitive regions. <i>Alzheimer's and Dementia</i> , 2020, 16, e045259.	0.4	0
54	TOMM40 has genomic effects on hippocampal volume in midâ€”life adults independent of APOE ϵ 4 status. <i>Alzheimer's and Dementia</i> , 2020, 16, e045347.	0.4	0

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55	In preclinical AD, impaired amyloid clearance and mitochondrial function underlie associations between white matter integrity and glucose regulation deficits. <i>Alzheimer's and Dementia</i> , 2020, 16, e046745.	0.4	0