

Amanda J Kiliaan

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,615
citations

159585

30
h-index

144013

57
g-index

81
all docs

81
docs citations

81
times ranked

6572
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-chain polyunsaturated fatty acids (LCPUFA) from genesis to senescence: The influence of LCPUFA on neural development, aging, and neurodegeneration. <i>Progress in Lipid Research</i> , 2014, 53, 1-17.	11.6	382
2	2003-2013: A Decade of Body Mass Index, Alzheimer's Disease, and Dementia. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 739-755.	2.6	215
3	Adipokines: a link between obesity and dementia?. <i>Lancet Neurology</i> , The, 2014, 13, 913-923.	10.2	204
4	Sex Differences in Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 2100-2107.	4.3	194
5	Obesity and dementia: Adipokines interact with the brain. <i>European Neuropsychopharmacology</i> , 2014, 24, 1982-1999.	0.7	174
6	DHA and cholesterol containing diets influence Alzheimer-like pathology, cognition and cerebral vasculature in APP ^{swE} /PS1 ^{dE9} mice. <i>Neurobiology of Disease</i> , 2009, 33, 482-498.	4.4	161
7	Nutrition for the ageing brain: Towards evidence for an optimal diet. <i>Ageing Research Reviews</i> , 2017, 35, 222-240.	10.9	161
8	Changes in cerebral blood volume and amyloid pathology in aged Alzheimer APP/PS1 mice on a docosahexaenoic acid (DHA) diet or cholesterol enriched Typical Western Diet (TWD). <i>Neurobiology of Disease</i> , 2007, 28, 16-29.	4.4	130
9	Amyloid beta deposition is related to decreased glucose transporter-1 levels and hippocampal atrophy in brains of aged APP/PS1 mice. <i>Brain Research</i> , 2007, 1181, 93-103.	2.2	107
10	Fatty acids, lipid metabolism and Alzheimer pathology. <i>European Journal of Pharmacology</i> , 2008, 585, 176-196.	3.5	94
11	Gut microbiota from persons with attention-deficit/hyperactivity disorder affects the brain in mice. <i>Microbiome</i> , 2020, 8, 44.	11.1	86
12	Impact of dietary n-3 polyunsaturated fatty acids on cognition, motor skills and hippocampal neurogenesis in developing C57BL/6J mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 24-35.	4.2	83
13	Butyrate restores HFD-induced adaptations in brain function and metabolism in mid-adult obese mice. <i>International Journal of Obesity</i> , 2017, 41, 935-944.	3.4	78
14	Resting-State Functional Connectivity Changes in Aging apoE4 and apoE-KO Mice. <i>Journal of Neuroscience</i> , 2014, 34, 13963-13975.	3.6	68
15	White matter changes and gait decline in cerebral small vessel disease. <i>NeuroImage: Clinical</i> , 2018, 17, 731-738.	2.7	66
16	Impact of fatty acids on brain circulation, structure and function. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 92, 3-14.	2.2	62
17	Gray and white matter degeneration revealed by diffusion in an Alzheimer mouse model. <i>Neurobiology of Aging</i> , 2013, 34, 1440-1450.	3.1	61
18	Obesity affects brain structure and function- rescue by bariatric surgery?. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 646-657.	6.1	58

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19	Multinutrient diets improve cerebral perfusion and neuroprotection in a murine model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 600-613.	3.1	55
20	Dietary long chain PUFAs differentially affect hippocampal muscarinic 1 and serotonergic 1A receptors in experimental cerebral hypoperfusion. <i>Brain Research</i> , 2002, 954, 32-41.	2.2	53
21	Adipokines: A gear shift in puberty. <i>Obesity Reviews</i> , 2020, 21, e13005.	6.5	50
22	The Effect of a High-Fat Diet on Brain Plasticity, Inflammation and Cognition in Female ApoE4-Knockin and ApoE-Knockout Mice. <i>PLoS ONE</i> , 2016, 11, e0155307.	2.5	49
23	A Dietary Treatment Improves Cerebral Blood Flow and Brain Connectivity in Aging apoE4 Mice. <i>Neural Plasticity</i> , 2016, 2016, 1-15.	2.2	48
24	A specific dietary intervention to restore brain structure and function after ischemic stroke. <i>Theranostics</i> , 2017, 7, 493-512.	10.0	48
25	Relationship between diet, the gut microbiota, and brain function. <i>Nutrition Reviews</i> , 2018, 76, 603-617.	5.8	47
26	A Specific Multi-Nutrient Diet Reduces Alzheimer-Like Pathology in Young Adult A β 2PPswe/PS1dE9 Mice. <i>Journal of Alzheimer's Disease</i> , 2012, 33, 177-190.	2.6	40
27	Hypertension, cerebrovascular impairment, and cognitive decline in aged A β 2PP/PS1 mice. <i>Theranostics</i> , 2017, 7, 1277-1289.	10.0	39
28	<i>In vivo</i> imaging biomarkers of neuroinflammation in the development and assessment of stroke therapies - towards clinical translation. <i>Theranostics</i> , 2018, 8, 2603-2620.	10.0	36
29	The continued need for animals to advance brain research. <i>Neuron</i> , 2021, 109, 2374-2379.	8.1	36
30	Effects of Specific Multi-Nutrient Enriched Diets on Cerebral Metabolism, Cognition and Neuropathology in A β 2PPswe-PS1dE9 Mice. <i>PLoS ONE</i> , 2013, 8, e75393.	2.5	35
31	Angiotensin II, hypertension and angiotensin II receptor antagonism: Roles in the behavioural and brain pathology of a mouse model of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2396-2413.	4.3	34
32	Adiposity is related to cerebrovascular and brain volumetry outcomes in the RUN DMC study. <i>Neurology</i> , 2019, 93, e864-e878.	1.1	33
33	Improved Spatial Learning Strategy and Memory in Aged Alzheimer A β 2PPswe/PS1dE9 Mice on a Multi-Nutrient Diet. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 233-245.	2.6	31
34	Impact of Nutrition on Cerebral Circulation and Cognition in the Metabolic Syndrome. <i>Nutrients</i> , 2015, 7, 9416-9439.	4.1	31
35	Weight Loss in Patients with Dementia: Considering the Potential Impact of Pharmacotherapy. <i>Drugs and Aging</i> , 2017, 34, 425-436.	2.7	31
36	Propionic acid and not caproic acid, attenuates nonalcoholic steatohepatitis and improves (cerebro) vascular functions in obese Ldlr ^{-/-} .Leiden mice. <i>FASEB Journal</i> , 2020, 34, 9575-9593.	0.5	29

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37	Hydroxytyrosol, the Major Phenolic Compound of Olive Oil, as an Acute Therapeutic Strategy after Ischemic Stroke. <i>Nutrients</i> , 2019, 11, 2430.	4.1	28
38	Impact of a multi-nutrient diet on cognition, brain metabolism, hemodynamics, and plasticity in apoE4 carrier and apoE knockout mice. <i>Brain Structure and Function</i> , 2013, 219, 1841-68.	2.3	27
39	Butyrate Reduces HFD-Induced Adipocyte Hypertrophy and Metabolic Risk Factors in Obese LDLr ^{-/-} -Leiden Mice. <i>Nutrients</i> , 2017, 9, 714.	4.1	27
40	How the COVID-19 pandemic highlights the necessity of animal research. <i>Current Biology</i> , 2020, 30, R1014-R1018.	3.9	26
41	Cholesterol and Synaptic Compensatory Mechanisms in Alzheimer's Disease Mice Brain During Aging. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 813-826.	2.6	25
42	Microvascular cerebral blood volume changes in aging APP ^{swe} /PS1 ^{dE9} AD mouse model: a voxel-wise approach. <i>Brain Structure and Function</i> , 2013, 218, 1085-1098.	2.3	23
43	Sex Differences in Presynaptic Density and Neurogenesis in Middle-Aged ApoE4 and ApoE Knockout Mice. <i>Journal of Neurodegenerative Diseases</i> , 2013, 2013, 1-9.	1.1	23
44	Impact of DHA on Metabolic Diseases from Womb to Tomb. <i>Marine Drugs</i> , 2014, 12, 6190-6212.	4.6	22
45	Hypertension Impairs Cerebral Blood Flow in a Mouse Model for Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2015, 12, 914-922.	1.4	22
46	Sex-Specific Differences in Fat Storage, Development of Non-Alcoholic Fatty Liver Disease and Brain Structure in Juvenile HFD-Induced Obese Ldlr ^{-/-} -Leiden Mice. <i>Nutrients</i> , 2019, 11, 1861.	4.1	21
47	Impact of hydroxytyrosol on stroke: tracking therapy response on neuroinflammation and cerebrovascular parameters using PET-MR imaging and on functional outcomes. <i>Theranostics</i> , 2021, 11, 4030-4049.	10.0	18
48	Automated Analysis of Stroke Mouse Trajectory Data With Traja. <i>Frontiers in Neuroscience</i> , 2020, 14, 518.	2.8	17
49	Nonresonant Raman spectroscopy of isolated human retina samples complying with laser safety regulations for in vivo measurements. <i>Neurophotonics</i> , 2019, 6, 1.	3.3	17
50	A Longitudinal Study of Cognition, Proton MR Spectroscopy and Synaptic and Neuronal Pathology in Aging Wild-type and APP ^{swe} -PS1 ^{dE9} Mice. <i>PLoS ONE</i> , 2013, 8, e63643.	2.5	17
51	Reduced firing rates of pyramidal cells in the frontal cortex of APP/PS1 can be restored by acute treatment with levetiracetam. <i>Neurobiology of Aging</i> , 2020, 96, 79-86.	3.1	16
52	Gut Microbiome, Inflammation, and Cerebrovascular Function: Link Between Obesity and Cognition. <i>Frontiers in Neuroscience</i> , 2021, 15, 761456.	2.8	16
53	Biochemical Characterization of Mouse Retina of an Alzheimer's Disease Model by Raman Spectroscopy. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3301-3308.	3.5	15
54	Early intake of long-chain polyunsaturated fatty acids preserves brain structure and function in diet-induced obesity. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 177-188.	4.2	14

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55	Effects of early-life stress on peripheral and central mitochondria in male mice across ages. <i>Psychoneuroendocrinology</i> , 2021, 132, 105346.	2.7	14
56	Age-Dependent Decrease of Mitochondrial Complex II Activity in a Familial Mouse Model for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 75-82.	2.6	13
57	Effect of a multinutrient intervention after ischemic stroke in female C57Bl/6 mice. <i>Journal of Neurochemistry</i> , 2018, 144, 549-564.	3.9	12
58	Effect of perinatally supplemented flavonoids on brain structure, circulation, cognition, and metabolism in C57Bl/6J mice. <i>Neurochemistry International</i> , 2015, 89, 157-169.	3.8	11
59	A Longitudinal PET/MRI Study of Colony-Stimulating Factor 1 Receptor-Mediated Microglia Depletion in Experimental Stroke. <i>Journal of Nuclear Medicine</i> , 2022, 63, 446-452.	5.0	11
60	High fat diet-induced obesity prolongs critical stages of the spermatogenic cycle in a <i>Ldlr</i> ^{-/-} .Leiden mouse model. <i>Scientific Reports</i> , 2022, 12, 430.	3.3	9
61	Study rationale and protocol of the BARICO study: a longitudinal, prospective, observational study to evaluate the effects of weight loss on brain function and structure after bariatric surgery. <i>BMJ Open</i> , 2019, 9, e025464.	1.9	8
62	Pleiotropic Effect of Human ApoE4 on Cerebral Ceramide and Saturated Fatty Acid Levels. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 769-781.	2.6	7
63	Milk fat globule membrane attenuates high fat diet-induced neuropathological changes in obese <i>Ldlr</i> ^{-/-} .Leiden mice. <i>International Journal of Obesity</i> , 2022, 46, 342-349.	3.4	7
64	Ghrelin as a prominent endocrine factor in stress-induced obesity. <i>Nutritional Neuroscience</i> , 2022, 25, 1413-1424.	3.1	7
65	A 10-Year Follow-Up of Adiposity and Dementia in Swedish Adults Aged 70 Years and Older. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 1325-1335.	2.6	6
66	The Impact of Voluntary Exercise on Stroke Recovery. <i>Frontiers in Neuroscience</i> , 2021, 15, 695138.	2.8	6
67	Short-Term Colony-Stimulating Factor 1 Receptor Inhibition-Induced Repopulation After Stroke Assessed by Longitudinal ¹⁸ F-DPA-714 PET Imaging. <i>Journal of Nuclear Medicine</i> , 2022, 63, 1408-1414.	5.0	5
68	Early-adolescent antibiotic exposure results in mitochondrial and behavioral deficits in adult male mice. <i>Scientific Reports</i> , 2021, 11, 12875.	3.3	2
69	Propionic acid intervention in obese <i>Ldlr</i> ^{-/-} .Leiden mice attenuates NASH development, but negatively affects cognition. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	1
70	Adipose tissue induces trained innate immunity in patients with obesity. <i>European Heart Journal</i> , 2021, 42, .	2.2	1
71	[P1576]: A TEN-YEAR FOLLOW-UP OF ADIPOSITY INDICATORS AND DEMENTIA IN ADULTS AGE 70 YEARS AND OLDER: THE GOTHENBURG BIRTH COHORT STUDIES. <i>Alzheimer's and Dementia</i> , 2017, 13, P515.	0.8	0