

Christian-Alexandre Castellano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4035746/publications.pdf>

Version: 2024-02-01

50
papers

2,429
citations

257357

24
h-index

214721

47
g-index

51
all docs

51
docs citations

51
times ranked

2460
citing authors

#	ARTICLE	IF	CITATIONS
1	A ketogenic intervention improves dorsal attention network functional and structural connectivity in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2022, 115, 77-87.	1.5	10
2	A ketogenic drink improves cognition in mild cognitive impairment: Results of a 6-month RCT. <i>Alzheimer's and Dementia</i> , 2021, 17, 543-552.	0.4	92
3	The effect of a 6-month ketogenic medium-chain triglyceride supplement on plasma cardiometabolic and inflammatory markers in mild cognitive impairment.. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 169, 102236.	1.0	16
4	Volumetric MRI Demonstrates Atrophy of the Olfactory Cortex in AD. <i>Current Alzheimer Research</i> , 2021, 17, 904-915.	0.7	13
5	A ketogenic supplement improves white matter energy supply and processing speed in mild cognitive impairment. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2021, 7, e12217.	1.8	16
6	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
7	Medium Chain Triglycerides Modulate the Ketogenic Effect of a Metabolic Switch. <i>Frontiers in Nutrition</i> , 2020, 7, 3.	1.6	25
8	Tractography of the external capsule and cognition: A diffusion MRI study of cholinergic fibers. <i>Experimental Gerontology</i> , 2020, 130, 110792.	1.2	14
9	Selection of the optimal intensity normalization region for FDG-PET studies of normal aging and Alzheimer's disease. <i>Scientific Reports</i> , 2020, 10, 9261.	1.6	32
10	Metabolism of Exogenous D-Beta-Hydroxybutyrate, an Energy Substrate Avidly Consumed by the Heart and Kidney. <i>Frontiers in Nutrition</i> , 2020, 7, 13.	1.6	44
11	Fascicle- and Glucose-Specific Deterioration in White Matter Energy Supply in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 863-881.	1.2	16
12	A short-term intervention combining aerobic exercise with medium-chain triglycerides (MCT) is more ketogenic than either MCT or aerobic exercise alone: a comparison of normoglycemic and prediabetic older women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 66-73.	0.9	9
13	Plasma Ketone and Medium Chain Fatty Acid Response in Humans Consuming Different Medium Chain Triglycerides During a Metabolic Study Day. <i>Frontiers in Nutrition</i> , 2019, 6, 46.	1.6	49
14	A ketogenic drink improves brain energy and some measures of cognition in mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2019, 15, 625-634.	0.4	137
15	Links Between Metabolic and Structural Changes in the Brain of Cognitively Normal Older Adults: A 4-Year Longitudinal Follow-Up. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 15.	1.7	27
16	A cross-sectional comparison of brain glucose and ketone metabolism in cognitively healthy older adults, mild cognitive impairment and early Alzheimer's disease. <i>Experimental Gerontology</i> , 2018, 107, 18-26.	1.2	178
17	Ketogenic Medium Chain Triglycerides Increase Brain Energy Metabolism in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 551-561.	1.2	104
18	Spatial distribution of resting-state BOLD regional homogeneity as a predictor of brain glucose uptake: A study in healthy aging. <i>NeuroImage</i> , 2017, 150, 14-22.	2.1	43

#	ARTICLE	IF	CITATIONS
19	A 3-Month Aerobic Training Program Improves Brain Energy Metabolism in Mild Alzheimer's Disease: Preliminary Results from a Neuroimaging Study. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 1459-1468.	1.2	48
20	Butyrate is more ketogenic than leucine or octanoate-monoacylglycerol in healthy adult humans. <i>Journal of Functional Foods</i> , 2017, 32, 170-175.	1.6	12
21	Tricaprylin Alone Increases Plasma Ketone Response More Than Coconut Oil or Other Medium-Chain Triglycerides: An Acute Crossover Study in Healthy Adults. <i>Current Developments in Nutrition</i> , 2017, 1, e000257.	0.1	55
22	Automated synthesis of 1-[11C]acetoacetate on a TRASIS AIO module. <i>Applied Radiation and Isotopes</i> , 2017, 129, 57-61.	0.7	9
23	Emulsification Increases the Acute Ketogenic Effect and Bioavailability of Medium-Chain Triglycerides in Humans. <i>Current Developments in Nutrition</i> , 2017, 1, e000851.	0.1	26
24	Caffeine intake increases plasma ketones: an acute metabolic study in humans. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 455-458.	0.7	16
25	Inverse relationship between brain glucose and ketone metabolism in adults during short-term moderate dietary ketosis: A dual tracer quantitative positron emission tomography study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2485-2493.	2.4	126
26	Can Ketones Help Rescue Brain Fuel Supply in Later Life? Implications for Cognitive Health during Aging and the Treatment of Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 53.	1.4	148
27	Can ketones compensate for deteriorating brain glucose uptake during aging? Implications for the risk and treatment of Alzheimer's disease. <i>Annals of the New York Academy of Sciences</i> , 2016, 1367, 12-20.	1.8	172
28	Ketones and brain development: Implications for correcting deteriorating brain glucose metabolism during aging. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2016, 23, D110.	0.6	0
29	P1271: Dual Tracer Acetoacetate and Glucose Metabolism are Associated With Neuropathologic Amyloid Burden and Alzheimer's Biomarkers in The CSF. <i>Alzheimer's and Dementia</i> , 2016, 12, P519.	0.4	1
30	Temporal Lobe Atrophy May Be Underrecognized in Older Patients with New-Onset Epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 2016, 43, 731-734.	0.3	4
31	Relationship of metabolic and endocrine parameters to brain glucose metabolism in older adults: do cognitively-normal older adults have a particular metabolic phenotype?. <i>Biogerontology</i> , 2016, 17, 241-255.	2.0	20
32	Normative Data for the Montreal Cognitive Assessment in Middle-Aged and Elderly Quebec-French People. <i>Archives of Clinical Neuropsychology</i> , 2016, 31, 819-826.	0.3	104
33	Preliminary evaluation of a differential effect of an $\hat{\pm}$ -linolenate-rich supplement on ketogenesis and plasma $\hat{\pm}$ -3 fatty acids in young and older adults. <i>Nutrition</i> , 2016, 32, 1211-1216.	1.1	10
34	Regional Brain Glucose Hypometabolism in Young Women with Polycystic Ovary Syndrome: Possible Link to Mild Insulin Resistance. <i>PLoS ONE</i> , 2015, 10, e0144116.	1.1	31
35	Ketogenic response to cotreatment with bezafibrate and medium chain triacylglycerols in healthy humans. <i>Nutrition</i> , 2015, 31, 1255-1259.	1.1	9
36	Long-chain n-3 PUFAs from fish oil enhance resting state brain glucose utilization and reduce anxiety in an adult nonhuman primate, the grey mouse lemur. <i>Journal of Lipid Research</i> , 2015, 56, 1511-1518.	2.0	26

#	ARTICLE	IF	CITATIONS
37	Glucose hypometabolism is highly localized, but lower cortical thickness and brain atrophy are widespread in cognitively normal older adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1315-E1321.	1.8	43
38	New insights into docosahexaenoic acid homeostasis during age-related cognitive decline. <i>Lipid Technology</i> , 2014, 26, 79-81.	0.3	0
39	Brain glucose and acetoacetate metabolism: a comparison of young and older adults. <i>Neurobiology of Aging</i> , 2014, 35, 1386-1395.	1.5	116
40	Safety of dietary conjugated $\hat{\pm}$ -linolenic acid (CLNA) in a neonatal pig model. <i>Food and Chemical Toxicology</i> , 2014, 64, 119-125.	1.8	6
41	Dietary conjugated $\hat{\pm}$ -linolenic acid did not improve glucose tolerance in a neonatal pig model. <i>European Journal of Nutrition</i> , 2014, 53, 761-768.	1.8	5
42	Lower Brain ^{18}F -Fluorodeoxyglucose Uptake But Normal ^{11}C -Acetoacetate Metabolism in Mild Alzheimer's Disease Dementia. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 1343-1353.	1.2	148
43	Ageing and apoE change DHA homeostasis: relevance to age-related cognitive decline. <i>Proceedings of the Nutrition Society</i> , 2014, 73, 80-86.	0.4	34
44	Docosahexaenoic acid homeostasis, brain aging and Alzheimer's disease: Can we reconcile the evidence?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013, 88, 61-70.	1.0	74
45	Stimulation of mild, sustained ketonemia by medium-chain triacylglycerols in healthy humans: Estimated potential contribution to brain energy metabolism. <i>Nutrition</i> , 2013, 29, 635-640.	1.1	84
46	Thyroid function and cognition in the euthyroid elderly: A case-control study embedded in Quebec longitudinal study "NuAge". <i>Psychoneuroendocrinology</i> , 2013, 38, 1772-1776.	1.3	15
47	Fish oil diets alter the phospholipid balance, fatty acid composition, and steroid hormone concentrations in testes of adult pigs. <i>Theriogenology</i> , 2011, 76, 1134-1145.	0.9	22
48	Fish oil diets do not improve insulin sensitivity and secretion in healthy adult male pigs. <i>British Journal of Nutrition</i> , 2010, 103, 189-196.	1.2	13
49	Effect of dietary n-3 fatty acids (fish oils) on boar reproduction and semen quality ¹ . <i>Journal of Animal Science</i> , 2010, 88, 2346-2355.	0.2	44
50	Dietary omega-3 fatty acids (fish oils) have limited effects on boar semen stored at 17 $\hat{\text{A}}$ $^{\circ}\text{C}$ or cryopreserved. <i>Theriogenology</i> , 2010, 74, 1482-1490.	0.9	46