

# Stephen C Cunnane

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139 papers	5,779 citations	38 h-index	73 g-index
147 ext. papers	6,883 ext. citations	4.5 avg, IF	5.74 L-index

#	Paper	IF	Citations
139	A ketogenic intervention improves dorsal attention network functional and structural connectivity in mild cognitive impairment.. <i>Neurobiology of Aging</i> , <b>2022</b> , 115, 77-87	5.6	1
138	Multimodal strategy to rescue the brain in mild cognitive impairment: ketogenic oral nutrition supplementation with B vitamins and aerobic exercise.. <i>European Journal of Clinical Investigation</i> , <b>2022</b> , e13806	4.6	0
137	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> , <b>2021</b> , 7, e12217	6	3
136	Hyperactivation of monocytes and macrophages in MCI patients contributes to the progression of Alzheimer's disease. <i>Immunity and Ageing</i> , <b>2021</b> , 18, 29	9.7	1
135	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> , <b>2021</b> , 169, 102236	2.8	5
134	A ketogenic drink improves cognition in mild cognitive impairment: Results of a 6-month RCT. <i>Alzheimer's and Dementia</i> , <b>2021</b> , 17, 543-552	1.2	41
133	Mild cognitive impairment: when nutrition helps brain energy rescue-a report from the EuGMS 2020 Congress. <i>European Geriatric Medicine</i> , <b>2021</b> , 12, 1285-1292	3	2
132	Ketones: potential to achieve brain energy rescue and sustain cognitive health during ageing. <i>British Journal of Nutrition</i> , <b>2021</b> , 1-17	3.6	0
131	Improved brain energetics and cognition after a 6-month ketogenic intervention in mild cognitive impairment: Final results of the Benefic Trial. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e037961	1.2	
130	Evidence of the Role of Omega-3 Polyunsaturated Fatty Acids in Brain Glucose Metabolism. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
129	Metabolism of Exogenous D-Beta-Hydroxybutyrate, an Energy Substrate Avidly Consumed by the Heart and Kidney. <i>Frontiers in Nutrition</i> , <b>2020</b> , 7, 13	6.2	14
128	Fascicle- and Glucose-Specific Deterioration in White Matter Energy Supply in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 76, 863-881	4.3	6
127	Can nutrition support healthy cognitive ageing and reduce dementia risk?. <i>BMJ, The</i> , <b>2020</b> , 369, m2269	5.9	21
126	Potential of coconut oil and medium chain triglycerides in the prevention and treatment of Alzheimer's disease. <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 186, 111209	5.6	20
125	Brain NAD Is Associated With ATP Energy Production and Membrane Phospholipid Turnover in Humans. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 609517	5.3	9
124	Nutrition and the ageing brain: Moving towards clinical applications. <i>Ageing Research Reviews</i> , <b>2020</b> , 62, 101079	12	29
123	Medium Chain Triglycerides Modulate the Ketogenic Effect of a Metabolic Switch. <i>Frontiers in Nutrition</i> , <b>2020</b> , 7, 3	6.2	14

122	Tractography of the external capsule and cognition: A diffusion MRI study of cholinergic fibers. <i>Experimental Gerontology</i> , <b>2020</b> , 130, 110792	4.5	8
121	The conundrum of human immune system "senescence". <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 192, 111357	5.6	25
120	Selection of the optimal intensity normalization region for FDG-PET studies of normal aging and Alzheimer's disease. <i>Scientific Reports</i> , <b>2020</b> , 10, 9261	4.9	19
119	Brain energy rescue: an emerging therapeutic concept for neurodegenerative disorders of ageing. <i>Nature Reviews Drug Discovery</i> , <b>2020</b> , 19, 609-633	64.1	166
118	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> , <b>2020</b> , 86, 54-63	5.6	69
117	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> , <b>2019</b> , 6, 46	6.2	26
116	A ketogenic drink improves brain energy and some measures of cognition in mild cognitive impairment. <i>Alzheimer's and Dementia</i> , <b>2019</b> , 15, 625-634	1.2	78
115	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> , <b>2019</b> , 11, 15	5.3	15
114	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> , <b>2019</b> , 44, 66-73	3	6
113	Ketones, omega-3 fatty acids and the Yin-Yang balance in the brain: insights from infant development and Alzheimer's disease, and implications for human brain evolution. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , <b>2018</b> , 25, D409	1.5	4
112	Ketogenic Medium Chain Triglycerides Increase Brain Energy Metabolism in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 64, 551-561	4.3	59
111	The morphology of the human cerebrovascular system. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4962-4975	5.9	42
110	Spatial distribution of resting-state BOLD regional homogeneity as a predictor of brain glucose uptake: A study in healthy aging. <i>NeuroImage</i> , <b>2017</b> , 150, 14-22	7.9	27
109	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> , <b>2017</b> , 56, 1459-1468	14.8	37
108	Butyrate is more ketogenic than leucine or octanoate-monoacylglycerol in healthy adult humans. <i>Journal of Functional Foods</i> , <b>2017</b> , 32, 170-175	5.1	11
107	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> , <b>2017</b> , 1, e000257	0.4	39
106	Automated synthesis of 1-[C]acetoacetate on a TRASIS AIO module. <i>Applied Radiation and Isotopes</i> , <b>2017</b> , 129, 57-61	1.7	4
105	Emulsification Increases the Acute Ketogenic Effect and Bioavailability of Medium-Chain Triglycerides in Humans: Protein, Carbohydrate, and Fat Metabolism. <i>Current Developments in Nutrition</i> , <b>2017</b> , 1, e000851	0.4	18

104	Metabolism of uniformly labeled C-eicosapentaenoic acid and C-arachidonic acid in young and old men. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 467-474	7	12
103	Caffeine intake increases plasma ketones: an acute metabolic study in humans. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2017</b> , 95, 455-458	2.4	11
102	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> , <b>2017</b> , 37, 2485-2493	7.3	80
101	[F30404]: BRAIN KETONE PET AND COGNITIVE OUTCOMES AFTER A 6-MONTH KETOGENIC INTERVENTION IN MCI <b>2017</b> , 13, P884		
100	Preliminary evaluation of a differential effect of an linolenate-rich supplement on ketogenesis and plasma B fatty acids in young and older adults. <i>Nutrition</i> , <b>2016</b> , 32, 1211-6	4.8	6
99	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> , <b>2016</b> , 9, 53	6.1	95
98	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> , <b>2016</b> , 1367, 12-20	6.5	120
97	Ketones and brain development: Implications for correcting deteriorating brain glucose metabolism during aging. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , <b>2016</b> , 23, D110	1.5	
96	Temporal Lobe Atrophy May Be Underrecognized in Older Patients with New-Onset Epilepsy. <i>Canadian Journal of Neurological Sciences</i> , <b>2016</b> , 43, 731-4	1	4
95	Ketogenic response to cotreatment with bezafibrate and medium chain triacylglycerols in healthy humans. <i>Nutrition</i> , <b>2015</b> , 31, 1255-9	4.8	9
94	Rapid adaptation of rat brain and liver metabolism to a ketogenic diet: an integrated study using (1)H- and (13)C-NMR spectroscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 1154-62	7.3	16
93	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> , <b>2015</b> , 56, 1511-8	6.3	19
92	Lower brain 18F-fluorodeoxyglucose uptake but normal 11C-acetoacetate metabolism in mild Alzheimer's disease dementia. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 43, 1343-53	4.3	107
91	Regional Brain Glucose Hypometabolism in Young Women with Polycystic Ovary Syndrome: Possible Link to Mild Insulin Resistance. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144116	3.7	21
90	Contraintes Bergiques et nutritionnelles sur le développement du cerveau: implications pour l'expansion du cerveau humain au cours de son évolution. <i>Cahiers De Nutrition Et De Dietetique</i> , <b>2015</b> , 50, 74-83	0.2	0
89	Challenges to determining whether DHA can protect against age-related cognitive decline. <i>Clinical Lipidology</i> , <b>2015</b> , 10, 91-102		10
88	Energy restriction does not prevent insulin resistance but does prevent liver steatosis in aging rats on a Western-style diet. <i>Nutrition</i> , <b>2015</b> , 31, 523-30	4.8	6
87	[(11)C]-Acetoacetate PET imaging: a potential early marker for cardiac heart failure. <i>Nuclear Medicine and Biology</i> , <b>2014</b> , 41, 863-70	2.1	12

86	Gene expression of fatty acid transport and binding proteins in the blood-brain barrier and the cerebral cortex of the rat: differences across development and with different DHA brain status. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2014</b> , 91, 213-20	2.8	26
85	Energetic and nutritional constraints on infant brain development: implications for brain expansion during human evolution. <i>Journal of Human Evolution</i> , <b>2014</b> , 77, 88-98	3.1	79
84	Ageing and apoE change DHA homeostasis: relevance to age-related cognitive decline. <i>Proceedings of the Nutrition Society</i> , <b>2014</b> , 73, 80-6	2.9	32
83	Kinetics of 13C-DHA before and during fish-oil supplementation in healthy older individuals. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 100, 105-12	7	36
82	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> , <b>2014</b> , 306, E1315-21	6	33
81	Brain glucose and acetoacetate metabolism: a comparison of young and older adults. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 1386-95	5.6	77
80	Nutrition and Cognitive Decline in Older Persons: Bridging the Gap Between Epidemiology and Intervention Studies. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 395-414	0.5	2
79	Docosahexaenoic acid homeostasis, brain aging and Alzheimer's disease: Can we reconcile the evidence?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2013</b> , 88, 61-70	2.8	59
78	Long-term calorie restriction has minimal impact on brain metabolite and fatty acid profiles in aged rats on a Western-style diet. <i>Neurochemistry International</i> , <b>2013</b> , 63, 450-7	4.4	8
77	Stimulation of mild, sustained ketonemia by medium-chain triacylglycerols in healthy humans: estimated potential contribution to brain energy metabolism. <i>Nutrition</i> , <b>2013</b> , 29, 635-40	4.8	63
76	Acides gras oméga-3 et déclin cognitif: la controverse. <i>Cahiers De Nutrition Et De Dietetique</i> , <b>2013</b> , 48, 170-174	0.2	0
75	Relationship between diet and plasma long-chain n-3 PUFAs in older people: impact of apolipoprotein E genotype. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 2559-67	6.3	37
74	A dual tracer PET-MRI protocol for the quantitative measure of regional brain energy substrates uptake in the rat. <i>Journal of Visualized Experiments</i> , <b>2013</b> , 50761	1.6	1
73	Acides gras oméga-3 et déclin cognitif : la controverse. <i>Oleagineux Corps Gras Lipides</i> , <b>2013</b> , 20, 88-92		2
72	The ketogenic diet increases brain glucose and ketone uptake in aged rats: a dual tracer PET and volumetric MRI study. <i>Brain Research</i> , <b>2012</b> , 1488, 14-23	3.7	37
71	N-3 fatty acids, neuronal activity and energy metabolism in the brain. <i>Oleagineux Corps Gras Lipides</i> , <b>2012</b> , 19, 238-244		2
70	Plasma and brain fatty acid profiles in mild cognitive impairment and Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2012</b> , 29, 691-7	4.3	177
69	Does aging change docosahexaenoic acid homeostasis? Implications for the challenge to cognitive health in the elderly. <i>Oleagineux Corps Gras Lipides</i> , <b>2011</b> , 18, 175-180		4

68	Brain fuel metabolism, aging, and Alzheimer's disease. <i>Nutrition</i> , <b>2011</b> , 27, 3-20	4.8	374
67	Plasma incorporation, apparent retroconversion and oxidation of <sup>13</sup> C-docosahexaenoic acid in the elderly. <i>Nutrition and Metabolism</i> , <b>2011</b> , 8, 5	4.6	81
66	Mild experimental ketosis increases brain uptake of <sup>11</sup> C-acetoacetate and <sup>18</sup> F-fluorodeoxyglucose: a dual-tracer PET imaging study in rats. <i>Nutritional Neuroscience</i> , <b>2011</b> , 14, 51-8	3.6	31
65	Macroevolutionary Patterns, Exaptation, and Emergence in the Evolution of the Human Brain and Cognition <b>2010</b> , 1-11		2
64	n-3 Fatty acid intake from marine food products among Quebecers: comparison to worldwide recommendations. <i>Public Health Nutrition</i> , <b>2010</b> , 13, 63-70	3.3	30
63	Bezafibrate mildly stimulates ketogenesis and fatty acid metabolism in hypertriglyceridemic subjects. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2010</b> , 334, 341-6	4.7	16
62	n-3 long-chain fatty acids and regulation of glucose transport in two models of rat brain endothelial cells. <i>Neurochemistry International</i> , <b>2010</b> , 56, 703-10	4.4	28
61	Lessons from Shore-based Hunter-Gatherer Diets in East Africa <b>2010</b> , 77-104		5
60	Brain Size in Carnivorous Mammals that Forage at the Land/Water Ecotone, with Implications for Robust Australopithecine Paleobiology <b>2010</b> , 173-187		1
59	The Case for Exploitation of Wetlands Environments and Foods by Pre-Sapiens Hominins <b>2010</b> , 137-171		10
58	Long-Chain Polyunsaturated Fatty Acids in Human Brain Evolution <b>2010</b> , 13-31		8
57	Human Brain Evolution: A Question of Solving Key Nutritional and Metabolic Constraints on Mammalian Brain Development <b>2010</b> , 33-64		8
56	Thyroid Hormone, Iodine and Human Brain Evolution <b>2010</b> , 105-124		2
55	Metabolic and Molecular Aspects of the Critical Role of Docosahexaenoic Acid in Human Brain Function <b>2010</b> , 65-76		
54	Image-derived input function in dynamic human PET/CT: methodology and validation with <sup>11</sup> C-acetate and <sup>18</sup> F-fluorothioheptadecanoic acid in muscle and <sup>18</sup> F-fluorodeoxyglucose in brain. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2010</b> , 37, 1539-50	8.8	59
53	Coastal Diet, Encephalization, and Innovative Behaviors in the Late Middle Stone Age of Southern Africa <b>2010</b> , 189-202		18
52	Human Brain Evolution: A New Wetlands Scenario <b>2010</b> , 203-207		2
51	Food for Thought: The Role of Coastlines and Aquatic Resources in Human Evolution <b>2010</b> , 125-136		16

50	PET study of 11C-acetoacetate kinetics in rat brain during dietary treatments affecting ketosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2009</b> , 296, E796-801	6	36
49	Towards establishing dietary reference intakes for eicosapentaenoic and docosahexaenoic acids. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 804S-19S	4.1	247
48	Eicosapentaenoic acid decreases postprandial beta-hydroxybutyrate and free fatty acid responses in healthy young and elderly. <i>Nutrition</i> , <b>2009</b> , 25, 289-94	4.8	25
47	Plasma n-3 fatty acid response to an n-3 fatty acid supplement is modulated by apoE epsilon4 but not by the common PPAR-alpha L162V polymorphism in men. <i>British Journal of Nutrition</i> , <b>2009</b> , 102, 1121-4	3.6	85
46	What Is the Link between Docosahexaenoic Acid, Cognitive Impairment, and Alzheimer's Disease in the Elderly?. <i>Frontiers in Neuroscience</i> , <b>2009</b> , 485-506		1
45	Ketones and brain function: possible link to polyunsaturated fatty acids and availability of a new brain PET tracer, 11C-acetoacetate. <i>Epilepsia</i> , <b>2008</b> , 49 Suppl 8, 76-9	6.4	11
44	Plasma omega-3 fatty acid response to a fish oil supplement in the healthy elderly. <i>Lipids</i> , <b>2008</b> , 43, 1085-9	1.9	45
43	Automated synthesis of 11C-beta-hydroxybutyrate by enzymatic conversion of 11C-acetoacetate using beta-hydroxybutyrate dehydrogenase. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2008</b> , 51, 242-245	1.9	6
42	Docosahexaenoic acid and shore-based diets in hominin encephalization: a rebuttal. <i>American Journal of Human Biology</i> , <b>2007</b> , 19, 578-81	2.7	34
41	Automated synthesis of 11C-acetoacetic acid, a key alternate brain fuel to glucose. <i>Applied Radiation and Isotopes</i> , <b>2007</b> , 65, 934-40	1.7	18
40	Docosahexaenoic acid and human brain evolution: missing the forest for the trees--comments by Cunnane. <i>British Journal of Nutrition</i> , <b>2007</b> , 97, 1021-2; discussion 1025	3.6	3
39	Unresolved issues in the link between docosahexaenoic acid and Alzheimer's disease. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2007</b> , 77, 301-8	2.8	31
38	Extremely limited synthesis of long chain polyunsaturates in adults: implications for their dietary essentiality and use as supplements. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2007</b> , 32, 619-34	3	368
37	Markedly raised intake of saturated and monounsaturated fatty acids in rats on a high-fat ketogenic diet does not inhibit carbon recycling of 13C-alpha-linolenate. <i>Lipids</i> , <b>2006</b> , 41, 933-5	1.6	9
36	Breath acetone predicts plasma ketone bodies in children with epilepsy on a ketogenic diet. <i>Nutrition</i> , <b>2006</b> , 22, 1-8	4.8	87
35	Suckling rats actively recycle carbon from alpha-linolenate into newly synthesized lipids even during extreme dietary deficiency of n-3 polyunsaturates. <i>Pediatric Research</i> , <b>2006</b> , 59, 107-10	3.2	16
34	Omega-3 fatty acids, energy substrates, and brain function during aging. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2006</b> , 75, 213-20	2.8	116
33	Despite transient ketosis, the classic high-fat ketogenic diet induces marked changes in fatty acid metabolism in rats. <i>Metabolism: Clinical and Experimental</i> , <b>2005</b> , 54, 1127-32	12.7	51



32	Origins and evolution of the Western diet: implications of iodine and seafood intakes for the human brain. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 483; author reply 483-4	7	14
31	Survival of the Fattest <b>2005</b> ,		20
30	Origins and evolution of the Western diet: implications of iodine and seafood intakes for the human brain. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 483-483	7	1
29	Whole-body utilization of n-3 PUFA in n-6 PUFA-deficient rats. <i>Lipids</i> , <b>2003</b> , 38, 187-9	1.6	15
28	Why is carbon from some polyunsaturates extensively recycled into lipid synthesis?. <i>Lipids</i> , <b>2003</b> , 38, 477-84	1.6	72
27	Survival of the fattest: fat babies were the key to evolution of the large human brain. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2003</b> , 136, 17-26	2.6	114
26	Problems with essential fatty acids: time for a new paradigm?. <i>Progress in Lipid Research</i> , <b>2003</b> , 42, 544-684.3	4.3	166
25	Breath acetone is a reliable indicator of ketosis in adults consuming ketogenic meals. <i>American Journal of Clinical Nutrition</i> , <b>2002</b> , 76, 65-70	7	151
24	Brain-specific lipids from marine, lacustrine, or terrestrial food resources: potential impact on early African Homo sapiens. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2002</b> , 131, 653-73	2.3	196
23	Beta-oxidation of linoleate in obese men undergoing weight loss. <i>American Journal of Clinical Nutrition</i> , <b>2001</b> , 73, 709-14	7	12
22	The conditional nature of the dietary need for polyunsaturates: a proposal to reclassify Essential fatty acids as conditionally-indispensable or conditionally-dispensable fatty acids. <i>British Journal of Nutrition</i> , <b>2000</b> , 84, 803-812	3.6	33
21	Dietary fat, ketosis, and seizure resistance in rats on the ketogenic diet. <i>Epilepsia</i> , <b>2000</b> , 41, 1400-10	6.4	95
20	Breast-fed infants achieve a higher rate of brain and whole body docosahexaenoate accumulation than formula-fed infants not consuming dietary docosahexaenoate. <i>Lipids</i> , <b>2000</b> , 35, 105-11	1.6	160
19	Uptake of <sup>13</sup> C-tracer arachidonate and gamma-linolenate by the brain and liver of the suckling rat observed using <sup>13</sup> C-NMR. <i>Journal of Neurochemistry</i> , <b>1999</b> , 72, 2548-55	6	8
18	Recycling of carbon into lipids synthesized de novo is a quantitatively important pathway of alpha-[U- <sup>13</sup> C]linolenate utilization in the developing rat brain. <i>Journal of Neurochemistry</i> , <b>1998</b> , 71, 2151-8	6.8	61
17	Rift Valley lake fish and shellfish provided brain-specific nutrition for early Homo. <i>British Journal of Nutrition</i> , <b>1998</b> , 79, 3-21	3.6	145
16	The majority of dietary linoleate in growing rats is beta-oxidized or stored in visceral fat. <i>Journal of Nutrition</i> , <b>1997</b> , 127, 146-52	4.1	100
15	Accumulation of polyunsaturates is decreased by weight-cycling: whole-body analysis in young, growing rats. <i>British Journal of Nutrition</i> , <b>1996</b> , 75, 583-91	3.6	13



14	In vivo <sup>13</sup> C nuclear magnetic resonance: applications and current limitations for noninvasive assessment of fatty acid status. <i>Lipids</i> , <b>1996</b> , 31 Suppl, S127-30	1.6	6
13	Effect of tumor necrosis factor-alpha on triglyceride and phospholipid content and fatty acid composition of liver and carcass in rats. <i>Lipids</i> , <b>1995</b> , 30, 713-8	1.6	13
12	Synthesis of linoleate and alpha-linolenate by chain elongation in the rat. <i>Lipids</i> , <b>1995</b> , 30, 781-3	1.6	34
11	Utilization of carbon from dietary polyunsaturates for brain cholesterol synthesis during early postnatal development in the rat: a <sup>13</sup> C NMR study. <i>Magnetic Resonance in Medicine</i> , <b>1995</b> , 34, 803-13	4.4	11
10	The importance of energy and nutrient supply in human brain evolution. <i>Nutrition and Health</i> , <b>1993</b> , 9, 219-35	2.1	46
9	High alpha-linolenic acid flaxseed ( <i>Linum usitatissimum</i> ): some nutritional properties in humans. <i>British Journal of Nutrition</i> , <b>1993</b> , 69, 443-53	3.6	324
8	Zinc and red cell fatty acid composition. <i>Lipids</i> , <b>1993</b> , 28, 265	1.6	2
7	Comments on erythrocyte membrane phospholipid fatty acid changes in cerebral palsy patients during nutritional rehabilitation. <i>Lipids</i> , <b>1993</b> , 28, 957-9	1.6	1
6	Early postnatal development in the rat is characterized by accumulation of highly unsaturated triacylglycerols. <i>Pediatric Research</i> , <b>1992</b> , 31, 47-51	3.2	9
5	Cholesterol lowering by alpha-linolenic acid. <i>American Journal of Clinical Nutrition</i> , <b>1992</b> , 55, 140-1	7	
4	Linoleoyl-enriched triacylglycerol species increase in maternal liver during late pregnancy in the rat. <i>Lipids</i> , <b>1992</b> , 27, 21-4	1.6	8
3	Short-term energy deficit causes net accumulation of linoleoyl-enriched triacylglycerols in rat liver. <i>FEBS Letters</i> , <b>1991</b> , 280, 393-6	3.8	10
2	Intussusception in the Syrian golden hamster. <i>British Journal of Nutrition</i> , <b>1990</b> , 63, 231-7	3.6	16
1	Epilepsy and the Ketogenic Diet: Assessment of Ketosis in Children Using Breath Acetone		11