Dieter Ltjohann

List of Publications by Citations

222 papers	14,693 citations	61 h-index	116 g-index
238 ext. papers	16,349 ext. citations	5.8 avg, IF	5.98 L-index

#	Paper	IF	Citations
222	Simvastatin strongly reduces levels of Alzheimer's disease beta -amyloid peptides Abeta 42 and Abeta 40 in vitro and in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 5856-61	11.5	949
221	Disruption of Abcg5 and Abcg8 in mice reveals their crucial role in biliary cholesterol secretion. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 16237-42	11.5	580
220	Cholesterol homeostasis in human brain: evidence for an age-dependent flux of 24S-hydroxycholesterol from the brain into the circulation. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 9799-804	11.5	546
219	Inhibition of intestinal cholesterol absorption by ezetimibe in humans. *Circulation*, **2002**, 106, 1943-8	16.7	501
218	Dietary cholesterol, rather than liver steatosis, leads to hepatic inflammation in hyperlipidemic mouse models of nonalcoholic steatohepatitis. *Hepatology*, **2008**, 48, 474-86	11.2	363
217	Cholesterol homeostasis in human brain: turnover of 24S-hydroxycholesterol and evidence for a cerebral origin of most of this oxysterol in the circulation. *Journal of Lipid Research*, **1998**, 39, 1594-1600	6.3	353
216	Plant sterols and plant stanols in the management of dyslipidaemia and prevention of cardiovascular disease. *Atherosclerosis*, **2014**, 232, 346-60	3.1	330
215	Cholesterol homeostasis in human brain: turnover of 24S-hydroxycholesterol and evidence for a cerebral origin of most of this oxysterol in the circulation. *Journal of Lipid Research*, **1998**, 39, 1594-600	6.3	318
214	Plasma 24S-hydroxycholesterol (cerebrosterol) is increased in Alzheimer and vascular demented patients. *Journal of Lipid Research*, **2000**, 41, 195-198	6.3	261
213	High-density lipoprotein mediates anti-inflammatory reprogramming of macrophages via the transcriptional regulator ATF3. *Nature Immunology*, **2014**, 15, 152-60	19.1	254
212	Plasma 24S-hydroxycholesterol (cerebrosterol) is increased in Alzheimer and vascular demented patients. *Journal of Lipid Research*, **2000**, 41, 195-8	6.3	246
211	Impact of different saturated fatty acid, polyunsaturated fatty acid and cholesterol containing diets on beta-amyloid accumulation in APP/PS1 transgenic mice. *Neurobiology of Disease*, **2006**, 23, 563-72	7.5	244
210	Ezetimibe effectively reduces plasma plant sterols in patients with sitosterolemia. *Circulation*, **2004**, 109, 966-71	16.7	238
209	High-dose statins and skeletal muscle metabolism in humans: a randomized, controlled trial. *Clinical Pharmacology and Therapeutics*, **2005**, 78, 60-8	6.1	233
208	Stimulation of cholesterol excretion by the liver X receptor agonist requires ATP-binding cassette transporters G5 and G8. *Journal of Biological Chemistry*, **2003**, 278, 15565-70	5.4	230
207	Changes in the levels of cerebral and extracerebral sterols in the brain of patients with Alzheimer's disease. *Journal of Lipid Research*, **2004**, 45, 186-93	6.3	230
206	Importance of a novel oxidative mechanism for elimination of brain cholesterol. Turnover of cholesterol and 24(S)-hydroxycholesterol in rat brain as measured with 18O2 techniques in vivo and in vitro. *Journal of Biological Chemistry*, **1997**, 272, 30178-84	5.4	218

205	Cyclodextrin promotes atherosclerosis regression via macrophage reprogramming. *Science Translational Medicine*, **2016**, 8, 333ra50	17.5	204
204	24S-hydroxycholesterol in cerebrospinal fluid is elevated in early stages of dementia. *Journal of Psychiatric Research*, **2002**, 36, 27-32	5.2	199
203	Defective cholesterol clearance limits remyelination in the aged central nervous system. *Science*, **2018**, 359, 684-688	33.3	190
202	Crossing the barrier: net flux of 27-hydroxycholesterol into the human brain. *Journal of Lipid Research*, **2005**, 46, 1047-52	6.3	184
201	Sterol absorption and sterol balance in phytosterolemia evaluated by deuterium-labeled sterols: effect of sitostanol treatment.. *Journal of Lipid Research*, **1995**, 36, 1763-1773	6.3	172
200	Heritability of plasma noncholesterol sterols and relationship to DNA sequence polymorphism in ABCG5 and ABCG8. *Journal of Lipid Research*, **2002**, 43, 486-494	6.3	165
199	Sterol absorption and sterol balance in phytosterolemia evaluated by deuterium-labeled sterols: effect of sitostanol treatment. *Journal of Lipid Research*, **1995**, 36, 1763-73	6.3	158
198	Vascular effects of diet supplementation with plant sterols. *Journal of the American College of Cardiology*, **2008**, 51, 1553-61	15.1	152
197	Heritability of plasma noncholesterol sterols and relationship to DNA sequence polymorphism in ABCG5 and ABCG8. *Journal of Lipid Research*, **2002**, 43, 486-94	6.3	150
196	Reduction of plasma 24S-hydroxycholesterol (cerebrosterol) levels using high-dosage simvastatin in patients with hypercholesterolemia: evidence that simvastatin affects cholesterol metabolism in the human brain. *Archives of Neurology*, **2002**, 59, 213-6		145
195	The role of seladin-1/DHCR24 in cholesterol biosynthesis, APP processing and Abeta generation in vivo. *EMBO Journal*, **2006**, 25, 432-43	13	144
194	DHA and cholesterol containing diets influence Alzheimer-like pathology, cognition and cerebral vasculature in APPswe/PS1dE9 mice. *Neurobiology of Disease*, **2009**, 33, 482-98	7.5	140
193	Plasma levels of 24S-hydroxycholesterol in patients with neurological diseases. *Neuroscience Letters*, **2000**, 293, 87-90	3.3	127
192	Biological effects of oxidized phytosterols: a review of the current knowledge. *Progress in Lipid Research*, **2008**, 47, 37-49	14.3	124
191	Polymorphism in the cholesterol 24S-hydroxylase gene is associated with Alzheimer's disease. *Molecular Psychiatry*, **2002**, 7, 899-902	15.1	124
190	Plasma 24S-hydroxycholesterol: a peripheral indicator of neuronal degeneration and potential state marker for Alzheimer's disease. *NeuroReport*, **2000**, 11, 1959-62	1.7	121
189	Brain cholesterol synthesis in mice is affected by high dose of simvastatin but not of pravastatin. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 316, 1146-52	4.7	120
188	Profile of cholesterol-related sterols in aged amyloid precursor protein transgenic mouse brain. *Journal of Lipid Research*, **2002**, 43, 1078-85	6.3	115

187	Role of scavenger receptor A and CD36 in diet-induced nonalcoholic steatohepatitis in hyperlipidemic mice. *Gastroenterology*, **2010**, 138, 2477-86, 2486.e1-3	13.3	110
186	Cholesterol and plant sterol absorption: recent insights. *American Journal of Cardiology*, **2005**, 96, 10D-14D	3	109
185	LDL receptor knock-out mice are a physiological model particularly vulnerable to study the onset of inflammation in non-alcoholic fatty liver disease. *PLoS ONE*, **2012**, 7, e30668	3.7	105
184	Relative roles of ABCG5/ABCG8 in liver and intestine. *Journal of Lipid Research*, **2015**, 56, 319-30	6.3	103
183	Plasma levels of 24S-hydroxycholesterol reflect the balance between cerebral production and hepatic metabolism and are inversely related to body surface. *Journal of Lipid Research*, **2000**, 41, 840-845	6.3	103
182	Altered levels of plasma 24S- and 27-hydroxycholesterol in demented patients. *Neuroscience Letters*, **2004**, 368, 303-8	3.3	102
181	Liver X receptor activation restores memory in aged AD mice without reducing amyloid. *Neurobiology of Aging*, **2011**, 32, 1262-72	5.6	101
180	Acute effects of pravastatin on cholesterol synthesis are associated with SLCO1B1 (encoding OATP1B1) haplotype *17. *Pharmacogenetics and Genomics*, **2005**, 15, 303-9	1.9	100
179	High doses of simvastatin, pravastatin, and cholesterol reduce brain cholesterol synthesis in guinea pigs. *Steroids*, **2004**, 69, 431-8	2.8	99
178	Moderately elevated plant sterol levels are associated with reduced cardiovascular risk--the LASA study. *Atherosclerosis*, **2008**, 196, 283-288	3.1	96
177	Plasma levels of 24S-hydroxycholesterol reflect the balance between cerebral production and hepatic metabolism and are inversely related to body surface. *Journal of Lipid Research*, **2000**, 41, 840-5	6.3	95
176	Seven weeks of Western diet in apolipoprotein-E-deficient mice induce metabolic syndrome and non-alcoholic steatohepatitis with liver fibrosis. *Scientific Reports*, **2015**, 5, 12931	4.9	92
175	Plant sterols the better cholesterol in Alzheimer's disease? A mechanistical study. *Journal of Neuroscience*, **2013**, 33, 16072-87	6.6	86
174	Plasma levels of plant sterols and the risk of coronary artery disease: the prospective EPIC-Norfolk Population Study. *Journal of Lipid Research*, **2007**, 48, 139-44	6.3	86
173	Internalization of modified lipids by CD36 and SR-A leads to hepatic inflammation and lysosomal cholesterol storage in Kupffer cells. *PLoS ONE*, **2012**, 7, e34378	3.7	83
172	Elimination of cholesterol as cholestenoic acid in human lung by sterol 27-hydroxylase: evidence that most of this steroid in the circulation is of pulmonary origin. *Journal of Lipid Research*, **1999**, 40, 1417-1425	6.3	81
171	Decreased levels of the brain specific 24S-hydroxycholesterol and cholesterol precursors in serum of multiple sclerosis patients. *Neuroscience Letters*, **2003**, 347, 159-62	3.3	77
170	The associations of cholesterol metabolism and plasma plant sterols with all-cause and cardiovascular mortality. *Journal of Lipid Research*, **2010**, 51, 2384-93	6.3	76

169	Disposition of ezetimibe is influenced by polymorphisms of the hepatic uptake carrier OATP1B1. *Pharmacogenetics and Genomics*, **2008**, 18, 559-68	1.9	75
168	Dietary plant sterols accumulate in the brain. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 445-53	5	72
167	Dietary intake of plant sterols stably increases plant sterol levels in the murine brain. *Journal of Lipid Research*, **2012**, 53, 726-35	6.3	71
166	Cerebral and extracerebral cholesterol metabolism and CSF markers of Alzheimer's disease. *Biochemical Pharmacology*, **2013**, 86, 37-42	6	69
165	Evidence that the major oxysterols in human circulation originate from distinct pools of cholesterol: a stable isotope study. *Journal of Lipid Research*, **2001**, 42, 70-78	6.3	69
164	A simplified micro-method for quantification of fecal excretion of neutral and acidic sterols for outpatient studies in humans. *Journal of Lipid Research*, **1991**, 32, 1861-7	6.3	66
163	The effect of simvastatin treatment on the amyloid precursor protein and brain cholesterol metabolism in patients with Alzheimer's disease. *Dementia and Geriatric Cognitive Disorders*, **2005**, 19, 256-65	2.6	65
162	The cholesterol derivative 27-hydroxycholesterol reduces steatohepatitis in mice. *Gastroenterology* , **2013**, 144, 167-178.e1	13.3	64
161	High fat diet exacerbates neuroinflammation in an animal model of multiple sclerosis by activation of the Renin Angiotensin system. *Journal of NeuroImmune Pharmacology*, **2014**, 9, 209-17	6.9	61
160	Evidence that the major oxysterols in human circulation originate from distinct pools of cholesterol: a stable isotope study. *Journal of Lipid Research*, **2001**, 42, 70-8	6.3	61
159	ATF3 Is a Key Regulator of Macrophage IFN Responses. *Journal of Immunology*, **2015**, 195, 4446-55	5.3	60
158	Sterol transporters: targets of natural sterols and new lipid lowering drugs **2005**, 105, 333-41		60
157	Evaluation of deuterated cholesterol and deuterated sitostanol for measurement of cholesterol absorption in humans. *Journal of Lipid Research*, **1993**, 34, 1039-46	6.3	60
156	Oxidized plant sterols in human serum and lipid infusions as measured by combined gas-liquid chromatography-mass spectrometry. *Journal of Lipid Research*, **2001**, 42, 2030-8	6.3	60
155	Effects of a disrupted blood-brain barrier on cholesterol homeostasis in the brain. *Journal of Biological Chemistry*, **2014**, 289, 23712-22	5.4	59
154	Plant stanols dose-dependently decrease LDL-cholesterol concentrations, but not cholesterol-standardized fat-soluble antioxidant concentrations, at intakes up to 9 g/d. *American Journal of Clinical Nutrition*, **2010**, 92, 24-33	7	59
153	Customary use of plant sterol and plant stanol enriched margarine is associated with changes in serum plant sterol and stanol concentrations in humans. *Journal of Nutrition*, **2007**, 137, 1301-6	4.1	59
152	Cholesterol metabolism in the brain: importance of 24S-hydroxylation. *Acta Neurologica Scandinavica*, **2006**, 185, 33-42	3.8	59

151	Effects of long-term plant sterol or stanol ester consumption on lipid and lipoprotein metabolism in subjects on statin treatment. *British Journal of Nutrition*, **2008**, 100, 937-41	3.6	57
150	Proprotein convertase subtilisin/kexin type 9 (PCSK9) gene is a risk factor of large-vessel atherosclerosis stroke. *PLoS ONE*, **2007**, 2, e1043	3.7	53
149	Oxysterols and cholesterol precursors correlate to magnetic resonance imaging measures of neurodegeneration in multiple sclerosis. *Multiple Sclerosis Journal*, **2014**, 20, 412-7	5	52
148	Cholesterol metabolism is associated with soluble amyloid precursor protein production in Alzheimer's disease. *Journal of Neurochemistry*, **2012**, 123, 310-6	6	51
147	24S-hydroxycholesterol: a marker of brain cholesterol metabolism. *Pharmacopsychiatry*, **2003**, 36 Suppl 2, S102-6	2	50
146	Effects of simvastatin on cholesterol metabolism and Alzheimer disease biomarkers. *Alzheimer Disease and Associated Disorders*, **2010**, 24, 220-6	2.5	48
145	Rare dyslipidaemias, from phenotype to genotype to management: a European Atherosclerosis Society task force consensus statement. *Lancet Diabetes and Endocrinology,the*, **2020**, 8, 50-67	18.1	48
144	Changes in cholesterol absorption and cholesterol synthesis caused by ezetimibe and/or simvastatin in men. *Journal of Lipid Research*, **2009**, 50, 2117-23	6.3	47
143	4beta-hydroxycholesterol as a marker of CYP3A4 inhibition in vivo - effects of itraconazole in man. *International Journal of Clinical Pharmacology and Therapeutics*, **2009**, 47, 709-15	2	47
142	Monocytes of patients with familial hypercholesterolemia show alterations in cholesterol metabolism. *BMC Medical Genomics*, **2008**, 1, 60	3.7	46
141	Plant-based sterols and stanols in health & disease: "Consequences of human development in a plant-based environment?". *Progress in Lipid Research*, **2019**, 74, 87-102	14.3	46
140	The isoform-specific pathological effects of apoE4 in vivo are prevented by a fish oil (DHA) diet and are modified by cholesterol. *Journal of Alzheimer's Disease*, **2012**, 28, 667-83	4.3	44
139	Methodological considerations for the harmonization of non-cholesterol sterol bio-analysis. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 957, 116-22	3.2	43
138	Effects of plant sterol- or stanol-enriched margarine on fasting plasma oxyphytosterol concentrations in healthy subjects. *Atherosclerosis*, **2013**, 227, 414-9	3.1	42
137	Special lipid-based diets alleviate cognitive deficits in the APPswe/PS1dE9 transgenic mouse model of Alzheimer's disease independent of brain amyloid deposition. *Journal of Nutritional Biochemistry*, **2014**, 25, 157-69	6.3	42
136	Alterations of cholesterol precursor levels in Alzheimer's disease. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 945-50	5	42
135	A Dietary Treatment Improves Cerebral Blood Flow and Brain Connectivity in Aging apoE4 Mice. *Neural Plasticity*, **2016**, 2016, 6846721	3.3	42
134	Plant sterol oxidation products--analogs to cholesterol oxidation products from plant origin?. *Biochimie*, **2013**, 95, 464-72	4.6	41

133	Plant sterols: Friend or foe in CNS disorders?. *Progress in Lipid Research*, **2015**, 58, 26-39	14.3	41
132	Oxidised plant sterols as well as oxycholesterol increase the proportion of severe atherosclerotic lesions in female LDL receptor+/- mice. *British Journal of Nutrition*, **2014**, 111, 64-70	3.6	41
131	24S-hydroxycholesterol in relation to disease manifestations of acute experimental autoimmune encephalomyelitis. *Journal of Neuroscience Research*, **2007**, 85, 1499-505	4.4	41
130	Long-term efficacy and safety of ezetimibe 10 mg in patients with homozygous sitosterolemia: a 2-year, open-label extension study. *International Journal of Clinical Practice*, **2008**, 62, 1499-510	2.9	41
129	Formation of oxysterols from different pools of cholesterol as studied by stable isotope technique: cerebral origin of most circulating 24S-hydroxycholesterol in rats, but not in mice. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2000**, 1486, 293-8	5	41
128	Validation of an isotope dilution gas chromatography-mass spectrometry method for analysis of 7-oxygenated campesterol and sitosterol in human serum. *Chemistry and Physics of Lipids*, **2011**, 164, 425-31	3.7	40
127	Liquid chromatography-tandem mass spectrometry determination of plasma 24S-hydroxycholesterol with chromatographic separation of 25-hydroxycholesterol. *Analytical Biochemistry*, **2008**, 381, 151-3	3.1	40
126	High-dose statin treatment does not alter plasma marker for brain cholesterol metabolism in patients with moderately elevated plasma cholesterol levels. *Journal of Clinical Pharmacology*, **2006**, 46, 812-6	2.9	39
125	Statins improve NASH via inhibition of RhoA and Ras. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G724-G733	5.1	38
124	Protective role of plant sterol and stanol esters in liver inflammation: insights from mice and humans. *PLoS ONE*, **2014**, 9, e110758	3.7	37
123	Phytosterol and cholesterol precursor levels indicate increased cholesterol excretion and biosynthesis in gallstone disease. *Hepatology*, **2012**, 55, 1507-17	11.2	36
122	Alterations in cholesterol homeostasis are associated with coronary heart disease in patients with aortic stenosis. *Coronary Artery Disease*, **2009**, 20, 376-82	1.4	36
121	High plasma levels of phytosterols in patients on parenteral nutrition: a marker of liver dysfunction. *Journal of Pediatric Gastroenterology and Nutrition*, **2000**, 31, 313-6	2.8	36
120	Dietary Sargassum fusiforme improves memory and reduces amyloid plaque load in an Alzheimer's disease mouse model. *Scientific Reports*, **2019**, 9, 4908	4.9	32
119	Effects of specific multi-nutrient enriched diets on cerebral metabolism, cognition and neuropathology in APPswe-PS1dE9 mice. *PLoS ONE*, **2013**, 8, e75393	3.7	32
118	Markers of enhanced cholesterol absorption are a strong predictor for cardiovascular diseases in patients without diabetes mellitus. *Chemistry and Physics of Lipids*, **2011**, 164, 451-6	3.7	32
117	The relationships of markers of cholesterol homeostasis with carotid intima-media thickness. *PLoS ONE*, **2010**, 5, e13467	3.7	32
116	Phytosterolaemia in a Norwegian family: diagnosis and characterization of the first Scandinavian case. *Scandinavian Journal of Clinical and Laboratory Investigation*, **1996**, 56, 229-40	2	31

115	Three-dimensional spatially resolved geometrical and functional models of human liver tissue reveal new aspects of NAFLD progression. *Nature Medicine*, **2019**, 25, 1885-1893	50.5	31
114	Progress and perspectives in plant sterol and plant stanol research. *Nutrition Reviews*, **2018**, 76, 725-746	6.4	30
113	Impact of efavirenz on intestinal metabolism and transport: insights from an interaction study with ezetimibe in healthy volunteers. *Clinical Pharmacology and Therapeutics*, **2012**, 91, 506-13	6.1	30
112	Sterol autoxidation: from phytosterols to oxyphytosterols. *British Journal of Nutrition*, **2004**, 91, 3-4	3.6	30
111	Cathepsin D regulates lipid metabolism in murine steatohepatitis. *Scientific Reports*, **2017**, 7, 3494	4.9	29
110	Alterations in brain cholesterol metabolism in the APPSLxPS1mut mouse, a model for Alzheimer's disease. *Journal of Alzheimers Disease*, **2010**, 19, 117-27	4.3	29
109	The lipid-lowering effect of ezetimibe in pure vegetarians. *Journal of Lipid Research*, **2006**, 47, 2820-4	6.3	29
108	Bi-allelic Mutations in LSS, Encoding Lanosterol Synthase, Cause Autosomal-Recessive Hypotrichosis Simplex. *American Journal of Human Genetics*, **2018**, 103, 777-785	11	29
107	Hypertension, cerebrovascular impairment, and cognitive decline in aged APP/PS1 mice. *Theranostics*, **2017**, 7, 1277-1289	12.1	28
106	Differential effects on inhibition of cholesterol absorption by plant stanol and plant sterol esters in apoE-/- mice. *Cardiovascular Research*, **2011**, 90, 484-92	9.9	28
105	Compartment-specific gene regulation of the CAR inducer efavirenz in vivo. *Clinical Pharmacology and Therapeutics*, **2012**, 92, 103-11	6.1	28
104	Vascular effects of oxysterols and oxyphytosterols in apoE/- mice. *Atherosclerosis*, **2015**, 240, 73-9	3.1	27
103	Role of the ABCG8 19H risk allele in cholesterol absorption and gallstone disease. *BMC Gastroenterology*, **2013**, 13, 30	3	27
102	The plant sterol brassicasterol as additional CSF biomarker in Alzheimer's disease. *Acta Psychiatrica Scandinavica*, **2011**, 124, 184-92	6.5	27
101	Baseline cholesterol absorption and the response to ezetimibe/simvastatin therapy: a post-hoc analysis of the ENHANCE trial. *Journal of Lipid Research*, **2010**, 51, 755-62	6.3	27
100	Effect of pravastatin on plasma sterols and oxysterols in men. *European Journal of Clinical Pharmacology*, **2006**, 62, 9-14	2.8	27
99	Cerebral accumulation of dietary derivable plant sterols does not interfere with memory and anxiety related behavior in Abcg5-/- mice. *Plant Foods for Human Nutrition*, **2011**, 66, 149-56	3.9	26
98	The isoflavones genistein and daidzein increase hepatic concentration of thyroid hormones and affect cholesterol metabolism in middle-aged male rats. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 190, 1-10	5.1	25

97	Impact of a multi-nutrient diet on cognition, brain metabolism, hemodynamics, and plasticity in apoE4 carrier and apoE knockout mice. *Brain Structure and Function*, **2014**, 219, 1841-68	4	25
96	Aging induces tissue-specific changes in cholesterol metabolism in rat brain and liver. *Lipids*, **2013**, 48, 1069-77	1.6	25
95	Influence of rifampin on serum markers of cholesterol and bile acid synthesis in men. *International Journal of Clinical Pharmacology and Therapeutics*, **2004**, 42, 307-13	2	24
94	Validation of an isotope dilution gas chromatography-mass spectrometry method for combined analysis of oxysterols and oxyphytosterols in serum samples. *Steroids*, **2015**, 99, 139-50	2.8	23
93	Dietary plant stanol ester consumption improves immune function in asthma patients: results of a randomized, double-blind clinical trial. *American Journal of Clinical Nutrition*, **2016**, 103, 444-53	7	23
92	Postprandial plasma oxyphytosterol concentrations after consumption of plant sterol or stanol enriched mixed meals in healthy subjects. *Steroids*, **2015**, 99, 281-6	2.8	22
91	Increased plant sterol deposition in vascular tissue characterizes patients with severe aortic stenosis and concomitant coronary artery disease. *Steroids*, **2015**, 99, 272-80	2.8	22
90	Edible seaweed-derived constituents: an undisclosed source of neuroprotective compounds. *Neural Regeneration Research*, **2020**, 15, 790-795	4.5	21
89	Variations in dietary intake and plasma concentrations of plant sterols across plant-based diets among North American adults. *Molecular Nutrition and Food Research*, **2017**, 61, 1600828	5.9	20
88	Pharmacokinetic and pharmacodynamic interactions between the immunosuppressant sirolimus and the lipid-lowering drug ezetimibe in healthy volunteers. *Clinical Pharmacology and Therapeutics* , **2010**, 87, 663-7	6.1	20
87	An alternative pathway of reverse cholesterol transport: the oxysterol 27-hydroxycholesterol. *Atherosclerosis*, **2010**, 209, 39-41	3.1	20
86	Systematic haplotype analysis resolves a complex plasma plant sterol locus on the Micronesian Island of Kosrae. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13886-91	11.5	20
85	Oxidation of sitosterol and transport of its 7-oxygenated products from different tissues in humans and ApoE knockout mice. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 169, 145-151	5.1	19
84	The relationships of phytosterols and oxyphytosterols in plasma and aortic valve cusps in patients with severe aortic stenosis. *Biochemical and Biophysical Research Communications*, **2014**, 446, 805-10	3.4	19
83	Hematopoietic overexpression of Cyp27a1 reduces hepatic inflammation independently of 27-hydroxycholesterol levels in Ldlr(-/-) mice. *Journal of Hepatology*, **2015**, 62, 430-6	13.4	19
82	Increased plant sterol and stanol levels in brain of Watanabe rabbits fed rapeseed oil derived plant sterol or stanol esters. *British Journal of Nutrition*, **2007**, 98, 890-9	3.6	19
81	Active liver X receptor signaling in phagocytes in multiple sclerosis lesions. *Multiple Sclerosis Journal*, **2018**, 24, 279-289	5	17
80	Effects of Dietary Plant Sterols and Stanol Esters with Low- and High-Fat Diets in Chronic and Acute Models for Experimental Colitis. *Nutrients*, **2015**, 7, 8518-31	6.7	17

79	The emerging concept of "individualized cholesterol-lowering therapy": A change in paradigm. *Pharmacology & Therapeutics*, **2019**, 199, 111-116	13.9	16
78	The effects of vitamin E or lipoic acid supplementation on oxyphytosterols in subjects with elevated oxidative stress: a randomized trial. *Scientific Reports*, **2017**, 7, 15288	4.9	16
77	Beneficial effects of sitostanol on the attenuated immune function in asthma patients: results of an in vitro approach. *PLoS ONE*, **2012**, 7, e46895	3.7	16
76	Thermal stability of plant sterols and formation of their oxidation products in vegetable oils and margarines upon controlled heating. *Chemistry and Physics of Lipids*, **2017**, 207, 99-107	3.7	15
75	Blood-derived macrophages prone to accumulate lysosomal lipids trigger oxLDL-dependent murine hepatic inflammation. *Scientific Reports*, **2017**, 7, 12550	4.9	15
74	Bioactive Compound Screen for Pharmacological Enhancers of Apolipoprotein E in Primary Human Astrocytes. *Cell Chemical Biology*, **2016**, 23, 1526-1538	8.2	15
73	Cholesterol dynamics in the foetal and neonatal brain as reflected by circulatory levels of 24S-hydroxycholesterol. *Acta Paediatrica, International Journal of Paediatrics*, **2001**, 90, 652-7	3.1	15
72	Oxyphytosterol formation in humans: identification of high vs. low oxidizers. *Biochemical Pharmacology*, **2013**, 86, 19-25	6	14
71	Plant sterol ester diet supplementation increases serum plant sterols and markers of cholesterol synthesis, but has no effect on total cholesterol levels. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 169, 219-225	5.1	14
70	Plasma levels of the oxyphytosterol 7-hydroxycampesterol are associated with cardiovascular events. *Atherosclerosis*, **2018**, 279, 17-22	3.1	14
69	A Novel Function for 15-Lipoxygenases in Cholesterol Homeostasis and CCL17 Production in Human Macrophages. *Frontiers in Immunology*, **2018**, 9, 1906	8.4	14
68	First international descriptive and interventional survey for cholesterol and non-cholesterol sterol determination by gas- and liquid-chromatography-Urgent need for harmonisation of analytical methods. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 190, 115-125	5.1	13
67	HDL inhibits endoplasmic reticulum stress-induced apoptosis of pancreatic -cells in vitro by activation of Smoothened. *Journal of Lipid Research*, **2020**, 61, 492-504	6.3	13
66	Consuming functional foods enriched with plant sterol or stanol esters for 85 weeks does not affect neurocognitive functioning or mood in statin-treated hypercholesterolemic individuals. *Journal of Nutrition*, **2009**, 139, 1368-73	4.1	13
65	Diet-dependent regulation of TGF- impairs reparative innate immune responses after demyelination. *Nature Metabolism*, **2021**, 3, 211-227	14.6	13
64	7-Hydroxysitosterol crosses the blood-brain barrier more favored than its substrate sitosterol in ApoE-/- mice. *Steroids*, **2015**, 99, 178-82	2.8	12
63	Acute effects of plant stanol esters on postprandial metabolism and its relation with changes in serum lipids after chronic intake. *European Journal of Clinical Nutrition*, **2015**, 69, 127-33	5.2	12
62	Increased flux of the plant sterols campesterol and sitosterol across a disrupted blood brain barrier. *Steroids*, **2015**, 99, 183-8	2.8	11

61	Drug interactions between the immunosuppressant tacrolimus and the cholesterol absorption inhibitor ezetimibe in healthy volunteers. *Clinical Pharmacology and Therapeutics*, **2011**, 89, 524-8	6.1	11
60	Reduced brain cholesterol content in arylsulfatase A-deficient mice. *Biochemical and Biophysical Research Communications*, **2006**, 344, 647-50	3.4	11
59	Efferocytosis potentiates the expression of arachidonate 15-lipoxygenase (ALOX15) in alternatively activated human macrophages through LXR activation. *Cell Death and Differentiation*, **2021**, 28, 1301-1316	12.7	11
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