Ingemar Bjrkhem

List of Publications by Year in Descending Order

584 papers	28,394 citations	84 h-index	129 g-index
590 ext. papers	30,057 ext. citations	6 avg, IF	6.75 L-index

#	Paper	IF	Citations
584	Longitudinal Data in Patients with Niemann-Pick Type C Disease Under Combined High Intrathecal and Low Intravenous Dose of 2-hydroxylpropyl-Ecyclodextrin. *Innovations in Clinical Neuroscience*, **2021**, 18, 11-16	1	1
583	27-Hydroxycholesterol, cognition, and brain imaging markers in the FINGER randomized controlled trial. *Alzheimer's Research and Therapy*, **2021**, 13, 56	9	3
582	Hyperkinesias and Echolalia in Primary Familial Brain Calcification. *Annals of Neurology*, **2021**, 89, 418-419	9.4	1
581	Bile acid biosynthesis in Smith-Lemli-Opitz syndrome bypassing cholesterol: Potential importance of pathway intermediates. *Journal of Steroid Biochemistry and Molecular Biology*, **2021**, 206, 105794	5.1	8
580	Vasculoprotective properties of plasma lipoproteins from brown bears (Ursus arctos). *Journal of Lipid Research*, **2021**, 62, 100065	6.3	1
579	Sex difference in flux of 27-hydroxycholesterol into the brain. *British Journal of Pharmacology*, **2021**, 178, 3194-3204	8.6	4
578	Hypercholesterolemia and 27-Hydroxycholesterol Increase S100A8 and RAGE Expression in the Brain: a Link Between Cholesterol, Alarmins, and Neurodegeneration. *Molecular Neurobiology*, **2021**, 58, 6063-6076	6.2	5
577	27-hydroxycholesterol promotes oligodendrocytic maturation: Implications for Alzheimer's disease.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 3, e050497	1.2	
576	Further evidence for a continuous flux of bile acids into the brain: trapping of bile acids in subdural hematomas. *Scandinavian Journal of Clinical and Laboratory Investigation*, **2020**, 80, 395-400	2	
575	Dose-response relationship between dietary choline and lipid accumulation in pyloric enterocytes of Atlantic salmon (L.) in seawater. *British Journal of Nutrition*, **2020**, 123, 1081-1093	3.6	8
574	Choline supplementation prevents diet induced gut mucosa lipid accumulation in post-smolt Atlantic salmon (Salmo salar L.). *BMC Veterinary Research*, **2020**, 16, 32	2.7	18
573	Side-Chain Oxidized Oxysterols in Health and Disease **2020**, 41-79		3
572	Levels of 7alpha-hydroxycholesterol and/or 7alpha-hydroxy-4-cholest-3-one are the optimal biochemical markers for the evaluation of treatment of cerebrotendinous xanthomatosis. *Journal of Neurology*, **2020**, 267, 572-573	5.5	5
571	Formation and metabolism of oxysterols and cholestenoic acids found in the mouse circulation: Lessons learnt from deuterium-enrichment experiments and the CYP46A1 transgenic mouse. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 195, 105475	5.1	4
570	24(),25-Epoxycholesterol and () overexpression promote midbrain dopaminergic neurogenesis. *Journal of Biological Chemistry*, **2019**, 294, 4169-4176	5.4	20
569	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
568	mRNA as a Novel Treatment Strategy for Hereditary Spastic Paraplegia Type 5. *Molecular Therapy - Methods and Clinical Development*, **2019**, 15, 359-370	6.4	11

567	On the fluxes of side-chain oxidized oxysterols across blood-brain and blood-CSF barriers and origin of these steroids in CSF (Review). *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 188, 86-89	5.1	22
566	27-Hydroxycholesterol Induces Aberrant Morphology and Synaptic Dysfunction in Hippocampal Neurons. *Cerebral Cortex*, **2019**, 29, 429-446	5.1	30
565	Regulatory effects of simvastatin and apoJ on APP processing and amyloid-β clearance in blood-brain barrier endothelial cells. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2018**, 1863, 40-60	5	40
564	International descriptive and interventional survey for oxycholesterol determination by gas- and liquid-chromatographic methods. *Biochimie*, **2018**, 153, 26-32	4.6	8
563	Evidence for sex difference in the CSF/plasma albumin ratio in ~20 000 patients and 335 healthy volunteers. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 5151-5154	5.6	30
562	Unique case of cerebrotendinous xanthomatosis revisited: All the mutations responsible for this disease are present in the CYP27A1 gene. *Journal of Internal Medicine*, **2018**, 283, 604-606	10.8	3
561	Circulating Fibroblast Growth Factor 19 in Portal and Systemic Blood. *Journal of Clinical and Experimental Hepatology*, **2018**, 8, 162-168	4.1	9
560	24S-Hydroxycholesterol Correlates With Tau and Is Increased in Cerebrospinal Fluid in Parkinson's Disease and Corticobasal Syndrome. *Frontiers in Neurology*, **2018**, 9, 756	4.1	17
559	Gestational diabetes mellitus modulates cholesterol homeostasis in human fetoplacental endothelium. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2018**, 1863, 968-979	5	21
558	Sterols and oxysterols in plasma from Smith-Lemli-Opitz syndrome patients. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 169, 77-87	5.1	26
557	On the regulatory importance of 27-hydroxycholesterol in mouse liver. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 169, 10-21	5.1	6
556	Disrupting Hepatocyte Cyp51 from Cholesterol Synthesis Leads to Progressive Liver Injury in the Developing Mouse and Decreases RORC Signalling. *Scientific Reports*, **2017**, 7, 40775	4.9	23
555	27-Hydroxycholesterol impairs neuronal glucose uptake through an IRAP/GLUT4 system dysregulation. *Journal of Experimental Medicine*, **2017**, 214, 699-717	16.6	37
554	On the importance of albumin binding for the flux of 7-hydroxy-3-oxo-4-cholestenoic acid in the brain. *Journal of Lipid Research*, **2017**, 58, 455-459	6.3	7
553	A SLC20A2 gene mutation carrier displaying ataxia and increased levels of cerebrospinal fluid phosphate. *Journal of the Neurological Sciences*, **2017**, 375, 245-247	3.2	12
552	Cytochrome P450 27A1 Deficiency and Regional Differences in Brain Sterol Metabolism Cause Preferential Cholestanol Accumulation in the Cerebellum. *Journal of Biological Chemistry*, **2017**, 292, 4913-4924	5.4	16
551	Implications of cerebrovascular ATP-binding cassette transporter G1 (ABCG1) and apolipoprotein M in cholesterol transport at the blood-brain barrier. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2017**, 1862, 573-588	5	24
550	Can LDL cholesterol be too low? Possible risks of extremely low levels. *Journal of Internal Medicine*, **2017**, 281, 534-553	10.8	41

549	Clinical and molecular characterization of hereditary spastic paraplegias: A next-generation sequencing panel approach. *Journal of the Neurological Sciences*, **2017**, 383, 18-25	3.2	29
548	Transcriptional and post-translational changes in the brain of mice deficient in cholesterol removal mediated by cytochrome P450 46A1 (CYP46A1). *PLoS ONE*, **2017**, 12, e0187168	3.7	18
547	Hereditary spastic paraplegia type 5: natural history, biomarkers and a randomized controlled trial. *Brain*, **2017**, 140, 3112-3127	11.2	62
546	Evaluation of cholesterol metabolism in cerebrotendinous xanthomatosis. *Journal of Inherited Metabolic Disease*, **2016**, 39, 75-83	5.4	37
545	Lack of insulin results in reduced seladin-1 expression in primary cultured neurons and in cerebral cortex of STZ-induced diabetic rats. *Neuroscience Letters*, **2016**, 633, 174-181	3.3	8
544	Progressive brain calcifications and signs in a family with the L9R mutation in the PDGFB gene. *Neurology: Genetics*, **2016**, 2, e84	3.8	4
543	Cyclodextrin promotes atherosclerosis regression via macrophage reprogramming. *Science Translational Medicine*, **2016**, 8, 333ra50	17.5	204
542	Neuronal cholesterol metabolism increases dendritic outgrowth and synaptic markers via a concerted action of GGTase-I and Trk. *Scientific Reports*, **2016**, 6, 30928	4.9	20
541	Cholesterol in mouse retina originates primarily from in situ de novo biosynthesis. *Journal of Lipid Research*, **2016**, 57, 258-64	6.3	24
540	Increased flux of the plant sterols campesterol and sitosterol across a disrupted blood brain barrier. *Steroids*, **2015**, 99, 183-8	2.8	11
539	Lessons from hepatocyte-specific Cyp51 knockout mice: impaired cholesterol synthesis leads to oval cell-driven liver injury. *Scientific Reports*, **2015**, 5, 8777	4.9	20
538	Reduced cerebrospinal fluid concentrations of oxysterols in response to natalizumab treatment of relapsing remitting multiple sclerosis. *Journal of the Neurological Sciences*, **2015**, 358, 201-6	3.2	19
537	Cholesterol 24S-Hydroxylase Overexpression Inhibits the Liver X Receptor (LXR) Pathway by Activating Small Guanosine Triphosphate-Binding Proteins (sGTPases) in Neuronal Cells. *Molecular Neurobiology*, **2015**, 51, 1489-503	6.2	18
536	27-hydroxycholesterol mediates negative effects of dietary cholesterol on cognition in mice. *Behavioural Brain Research*, **2015**, 278, 356-9	3.4	40
535	ABCG1 is required for pulmonary B-1 B cell and natural antibody homeostasis. *Journal of Immunology*, **2014**, 193, 5637-48	5.3	23
534	Intestinal cholesterol absorption and cardiovascular risk. *Journal of the American College of Cardiology*, **2014**, 63, 695-696	15.1	6
533	Cholesterol, oxysterol, triglyceride, and coenzyme Q homeostasis in ALS. Evidence against the hypothesis that elevated 27-hydroxycholesterol is a pathogenic factor. *PLoS ONE*, **2014**, 9, e113619	3.7	26
532	Cholestenoic acids regulate motor neuron survival via liver X receptors. *Journal of Clinical Investigation*, **2014**, 124, 4829-42	15.9	69

531	Dietary cholesterol supplementation to a plant-based diet suppresses the complete pathway of cholesterol synthesis and induces bile acid production in Atlantic salmon (Salmo salar L.). *British Journal of Nutrition*, **2014**, 111, 2089-103	3.6	48
530	7-hydroxy-3-oxo-4-cholestenoic acid in cerebrospinal fluid reflects the integrity of the blood-brain barrier. *Journal of Lipid Research*, **2014**, 55, 313-8	6.3	26
529	Effects of a disrupted blood-brain barrier on cholesterol homeostasis in the brain. *Journal of Biological Chemistry*, **2014**, 289, 23712-22	5.4	59
528	On the formation of 7-ketocholesterol from 7-dehydrocholesterol in patients with CTX and SLO. *Journal of Lipid Research*, **2014**, 55, 1165-72	6.3	41
527	Oxysterols and Parkinson's disease: evidence that levels of 24S-hydroxycholesterol in cerebrospinal fluid correlates with the duration of the disease. *Neuroscience Letters*, **2013**, 555, 102-5	3.3	67
526	Five decades with oxysterols. *Biochimie*, **2013**, 95, 448-54	4.6	58
525	Cerebrotendinous xanthomatosis. *Current Opinion in Lipidology*, **2013**, 24, 283-7	4.4	51
524	On the regulatory role of side-chain hydroxylated oxysterols in the brain. Lessons from CYP27A1 transgenic and Cyp27a1(-/-) mice. *Journal of Lipid Research*, **2013**, 54, 1033-43	6.3	35
523	Characterization of cholesterol homeostasis in telomerase-immortalized Tangier disease fibroblasts reveals marked phenotype variability. *Journal of Biological Chemistry*, **2013**, 288, 36936-47	5.4	8
522	Diagnostic power of 24S-hydroxycholesterol in cerebrospinal fluid: candidate marker of brain health. *Journal of Alzheimer's Disease*, **2013**, 36, 739-47	4.3	28
521	Sulphatation does not appear to be a protective mechanism to prevent oxysterol accumulation in humans and mice. *PLoS ONE*, **2013**, 8, e68031	3.7	5
520	Mice with chimeric livers are an improved model for human lipoprotein metabolism. *PLoS ONE*, **2013**, 8, e78550	3.7	32
519	Sex differences in the hepatic cholesterol sensing mechanisms in mice. *Molecules*, **2013**, 18, 11067-85	4.8	31
518	Is it possible to improve memory function by upregulation of the cholesterol 24S-hydroxylase (CYP46A1) in the brain?. *PLoS ONE*, **2013**, 8, e68534	3.7	48
517	Marked change in the balance between CYP27A1 and CYP46A1 mediated elimination of cholesterol during differentiation of human neuronal cells. *Neurochemistry International*, **2012**, 60, 192-8	4.4	9
516	Differences in brain cholesterol metabolism and insulin in two subgroups of patients with different CSF biomarkers but similar white matter lesions suggest different pathogenic mechanisms. *Neuroscience Letters*, **2012**, 510, 121-6	3.3	16
515	Single nucleotide polymorphism in the cholesterol-24S-hydroxylase (CYP46A1) gene and its association with CFH and LOC387715 gene polymorphisms in age-related macular degeneration **2012**, 53, 7026-33		14
514	Detecting oxysterols in the human circulation. *Nature Immunology*, **2011**, 12, 577; author reply 577-8	19.1	9

513	Cholestenoic Acid is an important elimination product of cholesterol in the retina: comparison of retinal cholesterol metabolism with that in the brain **2011**, 52, 594-603		65
512	Enhanced production of 24S-hydroxycholesterol is not sufficient to drive liver X receptor target genes in vivo. *Journal of Internal Medicine*, **2011**, 270, 377-87	10.8	49
511	The desmosterolosis phenotype: spasticity, microcephaly and micrognathia with agenesis of corpus callosum and loss of white matter. *European Journal of Human Genetics*, **2011**, 19, 942-6	5.3	38
510	Sterol binding by OSBP-related protein 1L regulates late endosome motility and function. *Cellular and Molecular Life Sciences*, **2011**, 68, 537-51	10.3	74
509	Inhibition of human sterol Δ-reductase and other postlanosterol enzymes by LK-980, a novel inhibitor of cholesterol synthesis. *Drug Metabolism and Disposition*, **2011**, 39, 39-46	4	8
508	Marked accumulation of 27-hydroxycholesterol in the brains of Alzheimer's patients with the Swedish APP 670/671 mutation. *Journal of Lipid Research*, **2011**, 52, 1004-10	6.3	73
507	Still another activity by the highly promiscuous enzyme CYP3A4: 25-hydroxylation of cholesterol. *Journal of Lipid Research*, **2011**, 52, 1447-9	6.3	13
506	Side chain-oxidized oxysterols regulate the brain renin-angiotensin system through a liver X receptor-dependent mechanism. *Journal of Biological Chemistry*, **2011**, 286, 25574-85	5.4	41
505	High levels of 15-oxygenated steroids in circulation of patients with multiple sclerosis: fact or fiction?. *Journal of Lipid Research*, **2011**, 52, 170-4	6.3	16
504	Upregulation of brain renin angiotensin system by 27-hydroxycholesterol in Alzheimer's disease. *Journal of Alzheimer's Disease*, **2011**, 24, 669-79	4.3	54
503	Genetic connections between neurological disorders and cholesterol metabolism. *Journal of Lipid Research*, **2010**, 51, 2489-503	6.3	58
502	On the mechanism of accumulation of cholestanol in the brain of mice with a disruption of sterol 27-hydroxylase. *Journal of Lipid Research*, **2010**, 51, 2722-30	6.3	37
501	The antifungal drug voriconazole is an efficient inhibitor of brain cholesterol 24S-hydroxylase in vitro and in vivo. *Journal of Lipid Research*, **2010**, 51, 318-23	6.3	47
500	Platelet alpha- and beta- secretase activities are not significantly affected by dementia or mild cognitive impairment in Swedish patients. *Current Alzheimer Research*, **2010**, 7, 134-9	3	9
499	Differential expression and function of ABCG1 and ABCG4 during development and aging. *Journal of Lipid Research*, **2010**, 51, 169-81	6.3	42
498	Marked accumulation of 27-hydroxycholesterol in SPG5 patients with hereditary spastic paresis. *Journal of Lipid Research*, **2010**, 51, 819-23	6.3	85
497	Impaired development of atherosclerosis in Abcg1-/- Apoe-/- mice: identification of specific oxysterols that both accumulate in Abcg1-/- Apoe-/- tissues and induce apoptosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 1174-80	9.4	51
496	Marked variability in hepatic expression of cytochromes CYP7A1 and CYP27A1 as compared to cerebral CYP46A1. Lessons from a dietary study with omega 3 fatty acids in hamsters. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 674-81	5	17

495	Cerebrotendinous xanthomatosis: an inborn error in bile acid synthesis with defined mutations but still a challenge. *Biochemical and Biophysical Research Communications*, **2010**, 396, 46-9	3.4	61
494	A functional polymorphism in the HMGCR promoter affects transcriptional activity but not the risk for Alzheimer disease in Swedish populations. *Brain Research*, **2010**, 1344, 185-91	3.7	12
493	Differential expression and function of ABCG1 and ABCG4 during development and aging. *Journal of Lipid Research*, **2010**, 51, 169-181	6.3	43
492	Primary open-angle glaucoma: association with cholesterol 24S-hydroxylase (CYP46A1) gene polymorphism and plasma 24-hydroxycholesterol levels **2009**, 50, 5712-7		37
491	Are side-chain oxidized oxysterols regulators also in vivo?. *Journal of Lipid Research*, **2009**, 50 Suppl, S213-8	6.3	83
490	Effect of CAR activation on selected metabolic pathways in normal and hyperlipidemic mouse livers. *BMC Genomics*, **2009**, 10, 384	4.5	37
489	Activity-regulated cytoskeleton-associated protein in rodent brain is down-regulated by high fat diet in vivo and by 27-hydroxycholesterol in vitro. *Brain Pathology*, **2009**, 19, 69-80	6	64
488	Combined gas chromatographic/mass spectrometric analysis of cholesterol precursors and plant sterols in cultured cells. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2009**, 877, 2081-6	3.2	65
487	Transcriptional regulation of cholesterol 24-hydroxylase by histone deacetylase inhibitors. *Biochemical and Biophysical Research Communications*, **2009**, 378, 689-94	3.4	35
486	Oxysterols and neurodegenerative diseases. *Molecular Aspects of Medicine*, **2009**, 30, 171-9	16.7	196
485	Plasma levels of 24S-hydroxycholesterol reflect brain volumes in patients without objective cognitive impairment but not in those with Alzheimer's disease. *Neuroscience Letters*, **2009**, 462, 89-93	3.3	69
484	Bile acids and the brain: suggested pathogenetic mechanism in connection with formation of brain xanthomas in patients with cerebrotendinous xanthomatosis **2009**, 21-27		
483	Metabolism of a novel side chain modified Delta8(14)-15-ketosterol, a potential cholesterol lowering drug: 28-hydroxylation by CYP27A1. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2008**, 1781, 383-90	5	3
482	CREM modulates the circadian expression of CYP51, HMGCR and cholesterogenesis in the liver. *Biochemical and Biophysical Research Communications*, **2008**, 376, 206-10	3.4	26
481	Crystal structures of substrate-bound and substrate-free cytochrome P450 46A1, the principal cholesterol hydroxylase in the brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 9546-51	11.5	94
480	Plasma 24S-hydroxycholesterol and caudate MRI in pre-manifest and early Huntington's disease. *Brain*, **2008**, 131, 2851-9	11.2	101
479	Use of complementary cation and anion heavy-atom salt derivatives to solve the structure of cytochrome P450 46A1. *Acta Crystallographica Section D: Biological Crystallography*, **2008**, 64, 487-95		20
478	Novel LC-MS/MS method for assay of 7alpha-hydroxy-4-cholesten-3-one in human plasma. Evidence for a significant extrahepatic metabolism. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 856, 15-9	3.2	34

477	Unique patient with cerebrotendinous xanthomatosis. Evidence for presence of a defect in a gene that is not identical to sterol 27-hydroxylase. *Journal of Internal Medicine*, **2007**, 261, 504-10	10.8	8
476	Cholestatic liver disease in adults may be due to an inherited defect in bile acid biosynthesis. *Journal of Internal Medicine*, **2007**, 262, 254-62	10.8	29
475	Beneficial effects of dietary supplementation in a disorder with defective synthesis of cholesterol. A case report of a girl with Smith-Lemli-Opitz syndrome, polyneuropathy and precocious puberty. *Acta Paediatrica, International Journal of Paediatrics*, **2007**, 88, 729-733	3.1	12
474	Cholesterol dynamics in the foetal and neonatal brain as reflected by circulatory levels of 24S-hydroxycholesterol. *Acta Paediatrica, International Journal of Paediatrics*, **2007**, 90, 652-657	3.1	2
473	Differential hepatocellular zonation pattern of cholesterol 7alpha-hydroxylase (Cyp7a1) and sterol 12alpha-hydroxylase (Cyp8b1) in the mouse. *Histochemistry and Cell Biology*, **2007**, 127, 253-61	2.4	14
472	Rediscovery of cerebrosterol. *Lipids*, **2007**, 42, 5-14	1.6	45
471	On the mechanism of cerebral accumulation of cholestanol in patients with cerebrotendinous xanthomatosis. *Journal of Lipid Research*, **2007**, 48, 1167-74	6.3	43
470	Cholesterol-24S-hydroxylase (CYP46A1) is specifically expressed in neurons of the neural retina. *Current Eye Research*, **2007**, 32, 361-6	2.9	75
469	Cholesterol biosynthesis pathway is disturbed in YAC128 mice and is modulated by huntingtin mutation. *Human Molecular Genetics*, **2007**, 16, 2187-98	5.6	82
468	Studies on the cholesterol-free mouse: strong activation of LXR-regulated hepatic genes when replacing cholesterol with desmosterol. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 2191-7	6.4	42
467	Novel route for elimination of brain oxysterols across the blood-brain barrier: conversion into 7alpha-hydroxy-3-oxo-4-cholestenoic acid. *Journal of Lipid Research*, **2007**, 48, 944-51	6.3	98
466	Regulation of alpha- and beta-secretase activity by oxysterols: cerebrosterol stimulates processing of APP via the alpha-secretase pathway. *Biochemical and Biophysical Research Communications*, **2007**, 359, 46-50	3.4	80
465	Levels of ApoE in cerebrospinal fluid are correlated with Tau and 24S-hydroxycholesterol in patients with cognitive disorders. *Neuroscience Letters*, **2007**, 425, 78-82	3.3	53
464	Bile acid metabolism in extrahepatic biliary atresia: lithocholic acid in stored dried blood collected at neonatal screening. *Upsala Journal of Medical Sciences*, **2006**, 111, 131-6	2.8	4
463	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
462	Studies on the transcriptional regulation of cholesterol 24-hydroxylase (CYP46A1): marked insensitivity toward different regulatory axes. *Journal of Biological Chemistry*, **2006**, 281, 3810-20	5.4	106
461	Regulation of bile acid biosynthesis by hepatocyte nuclear factor 4alpha. *Journal of Lipid Research*, **2006**, 47, 215-27	6.3	102
460	Studies on LXR- and FXR-mediated effects on cholesterol homeostasis in normal and cholic acid-depleted mice. *Journal of Lipid Research*, **2006**, 47, 421-30	6.3	47

459	Distinct binding of cholesterol and 5beta-cholestane-3alpha,7alpha,12alpha-triol to cytochrome P450 27A1: evidence from modeling and site-directed mutagenesis studies. *Biochemistry*, **2006**, 45, 4396-404	3.2	23
458	Plasma cerebrosterol and magnetic resonance imaging measures in multiple sclerosis. *Clinical Neurology and Neurosurgery*, **2006**, 108, 456-60	2	30
457	Critical role of cholic acid for development of hypercholesterolemia and gallstones in diabetic mice. *Biochemical and Biophysical Research Communications*, **2006**, 342, 1382-8	3.4	15
456	Are the CSF levels of 24S-hydroxycholesterol a sensitive biomarker for mild cognitive impairment?. *Neuroscience Letters*, **2006**, 397, 83-7	3.3	68
455	Two loci on chromosome 9 control bile acid composition: evidence that a strong candidate gene, Cyp8b1, is not the culprit. *Journal of Lipid Research*, **2006**, 47, 2020-7	6.3	4
454	Oxysterols and Alzheimer disease. *Acta Neurologica Scandinavica*, **2006**, 185, 43-9	3.8	106
453	Crossing the barrier: oxysterols as cholesterol transporters and metabolic modulators in the brain. *Journal of Internal Medicine*, **2006**, 260, 493-508	10.8	254
452	Common polymorphisms in the CYP7A1 gene do not contribute to variation in rates of bile acid synthesis and plasma LDL cholesterol concentration. *Atherosclerosis*, **2005**, 182, 37-45	3.1	18
451	Patients with atherosclerosis may have increased circulating levels of 27-hydroxycholesterol and cholestenoic acid. *Scandinavian Journal of Clinical and Laboratory Investigation*, **2005**, 65, 365-75	2	43
450	Polymorphism in the coding part of the sterol 12alpha-hydroxylase gene does not explain the marked differences in the ratio of cholic acid and chenodeoxycholic acid in human bile. *Scandinavian Journal of Clinical and Laboratory Investigation*, **2005**, 65, 595-600	2	7
449	Cholic acid as key regulator of cholesterol synthesis, intestinal absorption and hepatic storage in mice. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2005**, 1735, 167-75	5	53
448	Feedback regulation of bile acid synthesis in human liver: importance of HNF-4alpha for regulation of CYP7A1. *Biochemical and Biophysical Research Communications*, **2005**, 330, 395-9	3.4	44
447	Cholesterol binding to cytochrome P450 7A1, a key enzyme in bile acid biosynthesis. *Biochemistry*, **2005**, 44, 3259-71	3.2	27
446	Mutation in the sterol 27-hydroxylase gene associated with fatal cholestasis in infancy. *Journal of Pediatric Gastroenterology and Nutrition*, **2005**, 40, 481-6	2.8	37
445	Effect of ascorbic acid on microcirculation in patients with Type II diabetes: a randomized placebo-controlled cross-over study. *Clinical Science*, **2005**, 108, 507-13	6.5	38
444	Effects of cholesteryl ester transfer protein inhibition on high-density lipoprotein subspecies, apolipoprotein A-I metabolism, and fecal sterol excretion. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 1057-64	9.4	206
443	Crossing the barrier: net flux of 27-hydroxycholesterol into the human brain. *Journal of Lipid Research*, **2005**, 46, 1047-52	6.3	184
442	Harmonization of Methods for Analysis of Cholesterol Oxides in Foods The First Portion of a Long Road Toward Standardization: Interlaboratory Study. *Journal of AOAC INTERNATIONAL*, **2004**, 87, 511-519	1.7	7

441	Brain cholesterol: long secret life behind a barrier. *Arteriosclerosis, Thrombosis, and Vascular Biology* , **2004**, 24, 806-15	9.4	675
440	Phospholipids modify substrate binding and enzyme activity of human cytochrome P450 27A1. *Journal of Lipid Research*, **2004**, 45, 2345-53	6.3	20
439	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
438	Diagnostic use of cerebral and extracerebral oxysterols. *Clinical Chemistry and Laboratory Medicine*, **2004**, 42, 186-91	5.9	87
437	24(S),25-epoxycholesterol--a potential friend. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 2209-10	9.4	21
436	Mechanisms of cholesterol and sterol regulatory element binding protein regulation of the sterol 12alpha-hydroxylase gene (CYP8B1). *Biochemical and Biophysical Research Communications*, **2004**, 320, 1204-10	3.4	15
435	High doses of simvastatin, pravastatin, and cholesterol reduce brain cholesterol synthesis in guinea pigs. *Steroids*, **2004**, 69, 431-8	2.8	99
434	Expression of human cytochrome P450 46A1 in Escherichia coli: effects of N- and C-terminal modifications. *Archives of Biochemistry and Biophysics*, **2004**, 428, 99-108	4.1	35
433	Studies on the mechanism of accumulation of cholesterol in the gallbladder mucosa. Evidence that sterol 27-hydroxylase is not a pathogenetic factor. *Journal of Hepatology*, **2004**, 40, 8-13	13.4	10
432	On the substrate specificity of human CYP27A1: implications for bile acid and cholestanol formation. *Journal of Lipid Research*, **2003**, 44, 1515-22	6.3	33
431	Feedback regulation of bile acid synthesis in primary human hepatocytes: Evidence that CDCA is the strongest inhibitor. *Hepatology*, **2003**, 38, 930-938	11.2	74
430	On the origin of the cholestenoic acids in human circulation. *Steroids*, **2003**, 68, 595-601	2.8	21
429	Broad substrate specificity of human cytochrome P450 46A1 which initiates cholesterol degradation in the brain. *Biochemistry*, **2003**, 42, 14284-92	3.2	104
428	Generation of viable cholesterol-free mice. *Science*, **2003**, 302, 2087	33.3	139
427	Side chain oxidized oxysterols in cerebrospinal fluid and the integrity of blood-brain and blood-cerebrospinal fluid barriers. *Journal of Lipid Research*, **2003**, 44, 793-9	6.3	108
426	Feedback regulation of bile acid synthesis in primary human hepatocytes: evidence that CDCA is the strongest inhibitor. *Hepatology*, **2003**, 38, 930-8	11.2	39
425	24S-hydroxycholesterol in cerebrospinal fluid is elevated in early stages of dementia. *Journal of Psychiatric Research*, **2002**, 36, 27-32	5.2	199
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