

A H Merrill

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149
papers

15,213
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ext. citations

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L-index

#	Paper	IF	Citations
149	Sphingosine inhibition of protein kinase C activity and of phorbol dibutyrate binding in vitro and in human platelets.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12604-12609	5.4	884
148	Sphingosine inhibition of protein kinase C activity and of phorbol dibutyrate binding in vitro and in human platelets. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12604-9	5.4	746
147	Inhibition of sphingolipid biosynthesis by fumonisins. Implications for diseases associated with <i>Fusarium moniliforme</i> . <i>Journal of Biological Chemistry</i> , 1991 , 266, 14486-90	5.4	714
146	Sphingolipid metabolism and cell growth regulation. <i>FASEB Journal</i> , 1996 , 10, 1388-97	0.9	629
145	Sphingolipids--the enigmatic lipid class: biochemistry, physiology, and pathophysiology. <i>Toxicology and Applied Pharmacology</i> , 1997 , 142, 208-25	4.6	554
144	Sphingolipids in food and the emerging importance of sphingolipids to nutrition. <i>Journal of Nutrition</i> , 1999 , 129, 1239-50	4.1	389
143	An update of the enzymology and regulation of sphingomyelin metabolism. <i>Lipids and Lipid Metabolism</i> , 1990 , 1044, 1-12		376
142	Quantitation of free sphingosine in liver by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1988 , 171, 373-81	3.1	308
141	Fumonisin B1 inhibits sphingosine (sphinganine) N-acyltransferase and de novo sphingolipid biosynthesis in cultured neurons in situ.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 27299-27306	5.4	267
140	Inhibition of phorbol ester-dependent differentiation of human promyelocytic leukemic (HL-60) cells by sphinganine and other long-chain bases.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12610-12615	5.4	260
139	Sphingolipid metabolism: roles in signal transduction and disruption by fumonisins. <i>Environmental Health Perspectives</i> , 2001 , 109 Suppl 2, 283-9	8.4	253
138	Fumonisin B1 inhibits sphingosine (sphinganine) N-acyltransferase and de novo sphingolipid biosynthesis in cultured neurons in situ. <i>Journal of Biological Chemistry</i> , 1993 , 268, 27299-306	5.4	252
137	Modulation of protein kinase C and diverse cell functions by sphingosine--a pharmacologically interesting compound linking sphingolipids and signal transduction. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1989 , 1010, 131-9	4.9	250
136	Fumonisin- and AAL-Toxin-Induced Disruption of Sphingolipid Metabolism with Accumulation of Free Sphingoid Bases. <i>Plant Physiology</i> , 1994 , 106, 1085-1093	6.6	242
135	Structural requirements for long-chain (sphingoid) base inhibition of protein kinase C in vitro and for the cellular effects of these compounds. <i>Biochemistry</i> , 1989 , 28, 3138-45	3.2	241
134	Inhibition of the oxidative burst in human neutrophils by sphingoid long-chain bases. Role of protein kinase C in activation of the burst.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12616-12623	5.4	232
133	Characterization of ceramide synthesis. A dihydroceramide desaturase introduces the 4,5-trans-double bond of sphingosine at the level of dihydroceramide. <i>Journal of Biological Chemistry</i> , 1997 , 272, 22432-7	5.4	230

132	Cell regulation by sphingosine and more complex sphingolipids. <i>Journal of Bioenergetics and Biomembranes</i> , 1991 , 23, 83-104	3.7	229
131	Inhibition of phorbol ester-dependent differentiation of human promyelocytic leukemic (HL-60) cells by sphinganine and other long-chain bases. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12610-5	5.4	223
130	Alteration of tissue and serum sphinganine to sphingosine ratio: an early biomarker of exposure to fumonisin-containing feeds in pigs. <i>Toxicology and Applied Pharmacology</i> , 1993 , 118, 105-12	4.6	221
129	Inhibition of the oxidative burst in human neutrophils by sphingoid long-chain bases. Role of protein kinase C in activation of the burst. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12616-23	5.4	208
128	Dietary sphingomyelin inhibits 1,2-dimethylhydrazine-induced colon cancer in CF1 mice. <i>Journal of Nutrition</i> , 1994 , 124, 615-20	4.1	191
127	Fumonisin inhibition of de novo sphingolipid biosynthesis and cytotoxicity are correlated in LLC-PK1 cells. <i>Toxicology and Applied Pharmacology</i> , 1992 , 114, 9-15	4.6	190
126	Sphingolipid perturbations as mechanisms for fumonisin carcinogenesis. <i>Environmental Health Perspectives</i> , 2001 , 109 Suppl 2, 301-8	8.4	180
125	Increases in serum sphingosine and sphinganine and decreases in complex sphingolipids in ponies given feed containing fumonisins, mycotoxins produced by <i>Fusarium moniliforme</i> . <i>Journal of Nutrition</i> , 1992 , 122, 1706-16	4.1	170
124	Enzymology of long-chain base synthesis by liver: characterization of serine palmitoyltransferase in rat liver microsomes. <i>Archives of Biochemistry and Biophysics</i> , 1984 , 228, 282-91	4.1	169
123	Dietary fumonisin B1 induces disruption of sphingolipid metabolism in Sprague-Dawley rats: a new mechanism of nephrotoxicity. <i>Journal of Nutrition</i> , 1994 , 124, 594-603	4.1	153
122	Uptake and metabolism of sphingolipids in isolated intestinal loops of mice. <i>Journal of Nutrition</i> , 1994 , 124, 702-12	4.1	150
121	Induction of apoptosis by fumonisin B1 in HT29 cells is mediated by the accumulation of endogenous free sphingoid bases. <i>Toxicology and Applied Pharmacology</i> , 1998 , 148, 252-60	4.6	147
120	Colonic cell proliferation and aberrant crypt foci formation are inhibited by dairy glycosphingolipids in 1, 2-dimethylhydrazine-treated CF1 mice. <i>Journal of Nutrition</i> , 2000 , 130, 522-7	4.1	147
119	Evidence for disruption of sphingolipid metabolism as a contributing factor in the toxicity and carcinogenicity of fumonisins. <i>Natural Toxins</i> , 1996 , 4, 3-15		139
118	Role of sphingosine 1-phosphate in the mitogenesis induced by oxidized low density lipoprotein in smooth muscle cells via activation of sphingomyelinase, ceramidase, and sphingosine kinase. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21533-8	5.4	132
117	Sphingomyelin consumption suppresses aberrant colonic crypt foci and increases the proportion of adenomas versus adenocarcinomas in CF1 mice treated with 1,2-dimethylhydrazine: implications for dietary sphingolipids and colon carcinogenesis. <i>Cancer Research</i> , 1996 , 56, 4936-41	10.1	132
116	Fumonisin: fungal toxins that shed light on sphingolipid function. <i>Trends in Cell Biology</i> , 1996 , 6, 218-23	18.3	130
115	Bimodal regulation of ceramidase by interleukin-1beta. Implications for the regulation of cytochrome p450 2C11. <i>Journal of Biological Chemistry</i> , 1997 , 272, 18718-24	5.4	129

114	Characterization of serine palmitoyltransferase activity in Chinese hamster ovary cells. <i>Lipids and Lipid Metabolism</i> , 1983 , 754, 284-91		128
113	Fumonisin and other inhibitors of de novo sphingolipid biosynthesis. <i>Advances in Lipid Research</i> , 1993 , 26, 215-34		125
112	Acylation of naturally occurring and synthetic 1-deoxysphinganine by ceramide synthase. Formation of N-palmitoyl-aminopentol produces a toxic metabolite of hydrolyzed fumonisin, AP1, and a new category of ceramide synthase inhibitor. <i>Journal of Biological Chemistry</i> , 1998 , 273, 19060-4	5.4	124
111	Differential roles of de novo sphingolipid biosynthesis and turnover in the "burst" of free sphingosine and sphinganine, and their 1-phosphates and N-acyl-derivatives, that occurs upon changing the medium of cells in culture. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18749-58	5.4	117
110	Effects of feeding Fusarium moniliforme culture material, containing known levels of fumonisin B1, on the young broiler chick. <i>Poultry Science</i> , 1993 , 72, 456-66	3.9	114
109	Biosynthesis of long-chain (sphingoid) bases from serine by LM cells. Evidence for introduction of the 4-trans-double bond after de novo biosynthesis of N-acylsphinganine(s).. <i>Journal of Biological Chemistry</i> , 1986 , 261, 3764-3769	5.4	114
108	Riboflavin-binding proteins. <i>Annual Review of Nutrition</i> , 1988 , 8, 279-99	9.9	108
107	Ceramide transfer protein function is essential for normal oxidative stress response and lifespan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11364-9	11.5	106
106	Biosynthesis of long-chain (sphingoid) bases from serine by LM cells. Evidence for introduction of the 4-trans-double bond after de novo biosynthesis of N-acylsphinganine(s). <i>Journal of Biological Chemistry</i> , 1986 , 261, 3764-9	5.4	105
105	Sphingolipid biosynthesis de novo by rat hepatocytes in culture. Ceramide and sphingomyelin are associated with, but not required for, very low density lipoprotein secretion. <i>Journal of Biological Chemistry</i> , 1995 , 270, 13834-41	5.4	101
104	Disruption of sphingolipid metabolism and stimulation of DNA synthesis by fumonisin B1. A molecular mechanism for carcinogenesis associated with Fusarium moniliforme. <i>Journal of Biological Chemistry</i> , 1994 , 269, 3475-81	5.4	100
103	Regulation of lipid biosynthesis in <i>Saccharomyces cerevisiae</i> by fumonisin B1. <i>Journal of Biological Chemistry</i> , 1995 , 270, 13171-8	5.4	96
102	In vitro toxicology of fumonisins and the mechanistic implications. <i>Mycopathologia</i> , 1992 , 117, 73-8	2.9	93
101	A high-performance liquid chromatographic method to measure sphingosine 1-phosphate and related compounds from sphingosine kinase assays and other biological samples. <i>Analytical Biochemistry</i> , 2000 , 281, 36-44	3.1	91
100	Analysis of sphingosine 1-phosphate, ceramides, and other bioactive sphingolipids by high-performance liquid chromatography-tandem mass spectrometry. <i>Science Signaling</i> , 2001 , 2001, pl1	8.8	90
99	Structure determination of soybean and wheat glucosylceramides by tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 347-53	2.2	89
98	N-(4-Hydroxyphenyl)retinamide increases dihydroceramide and synergizes with dimethylsphingosine to enhance cancer cell killing. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 2967-76	6.1	87
97	Free Sphingosine Formation from Endogenous Substrates by a Liver Plasma Membrane System with a Divalent Cation Dependence and a Neutral pH Optimum. <i>Journal of Biological Chemistry</i> , 1989 , 264, 10371-10377	5.4	87

96	Kinetics of long-chain (sphingoid) base biosynthesis in intact LM cells: effects of varying the extracellular concentrations of serine and fatty acid precursors of this pathway. <i>Biochemistry</i> , 1988 , 27, 340-5	3.2	83
95	Modulation of the free sphingosine levels in human neutrophils by phorbol esters and other factors.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 9304-9309	5.4	82
94	Diseases associated with defects in vitamin B6 metabolism or utilization. <i>Annual Review of Nutrition</i> , 1987 , 7, 137-56	9.9	81
93	Free sphingosine formation from endogenous substrates by a liver plasma membrane system with a divalent cation dependence and a neutral pH optimum. <i>Journal of Biological Chemistry</i> , 1989 , 264, 10371-7	5.4	80
92	Characteristics of the growth inhibition and cytotoxicity of long-chain (sphingoid) bases for Chinese hamster ovary cells: evidence for an involvement of protein kinase C. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990 , 1051, 37-45	4.9	79
91	Regulation of phosphatidate phosphatase activity from the yeast <i>Saccharomyces cerevisiae</i> by sphingoid bases. <i>Journal of Biological Chemistry</i> , 1993 , 268, 13830-7	5.4	79
90	Activities of serine palmitoyltransferase (3-ketosphinganine synthase) in microsomes from different rat tissues.. <i>Journal of Lipid Research</i> , 1985 , 26, 617-622	6.3	78
89	Regulation of de novo sphingolipid biosynthesis and the toxic consequences of its disruption. <i>Biochemical Society Transactions</i> , 2001 , 29, 831-835	5.1	73
88	Modulation of the free sphingosine levels in human neutrophils by phorbol esters and other factors. <i>Journal of Biological Chemistry</i> , 1988 , 263, 9304-9	5.4	72
87	Inhibition of serine palmitoyltransferase in vitro and long-chain base biosynthesis in intact Chinese hamster ovary cells by beta-chloroalanine. <i>Biochemistry</i> , 1988 , 27, 7079-84	3.2	71
86	CD95(Fas/APO-1) signals ceramide generation independent of the effector stage of apoptosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8650-6	5.4	70
85	Formation and mode of action of flavoproteins. <i>Annual Review of Nutrition</i> , 1981 , 1, 281-317	9.9	69
84	Suppression of aberrant colonic crypt foci by synthetic sphingomyelins with saturated or unsaturated sphingoid base backbones. <i>Nutrition and Cancer</i> , 1997 , 28, 81-5	2.8	68
83	Changing J774A.1 cells to new medium perturbs multiple signaling pathways, including the modulation of protein kinase C by endogenous sphingoid bases. <i>Journal of Biological Chemistry</i> , 1997 , 272, 5640-6	5.4	68
82	Metabolism of vitamin B-6 by human liver. <i>Journal of Nutrition</i> , 1984 , 114, 1664-74	4.1	68
81	Enzymes of ceramide biosynthesis. <i>Methods in Enzymology</i> , 1992 , 209, 427-37	1.7	67
80	Activities of serine palmitoyltransferase (3-ketosphinganine synthase) in microsomes from different rat tissues. <i>Journal of Lipid Research</i> , 1985 , 26, 617-22	6.3	67
79	Regulation of cytochrome P450 2C11 (CYP2C11) gene expression by interleukin-1, sphingomyelin hydrolysis, and ceramides in rat hepatocytes. <i>Journal of Biological Chemistry</i> , 1995 , 270, 25233-8	5.4	65

78	Fumonisin B1 alters sphingolipid metabolism and disrupts the barrier function of endothelial cells in culture. <i>Toxicology and Applied Pharmacology</i> , 1995 , 133, 343-8	4.6	63
77	Fumonisin toxicity and sphingolipid biosynthesis. <i>Advances in Experimental Medicine and Biology</i> , 1996 , 392, 297-306	3.6	63
76	Introduction: sphingolipids and their metabolites in cell regulation. <i>Advances in Lipid Research</i> , 1993 , 25, 1-24		63
75	Dihydroceramide biology. Structure-specific metabolism and intracellular localization. <i>Journal of Biological Chemistry</i> , 1997 , 272, 21128-36	5.4	60
74	Probable reaction mechanisms of flavokinase and FAD synthetase from rat liver. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 278, 125-30	4.1	59
73	Sphingolipids as biomarkers of fumonisin exposure and risk of esophageal squamous cell carcinoma in china. <i>Cancer Causes and Control</i> , 2001 , 12, 821-8	2.8	58
72	Importance of sphingolipids and inhibitors of sphingolipid metabolism as components of animal diets. <i>Journal of Nutrition</i> , 1997 , 127, 830S-833S	4.1	56
71	Characterization of cell-cycle arrest by fumonisin B1 in CV-1 cells. <i>Food and Chemical Toxicology</i> , 1998 , 36, 791-804	4.7	55
70	Use of sphingosine as inhibitor of protein kinase C. <i>Methods in Enzymology</i> , 1991 , 201, 316-28	1.7	55
69	Evidence for the regulation of pyridoxal 5-phosphate formation in liver by pyridoxamine (pyridoxine) 5-phosphate oxidase. <i>Biochemical and Biophysical Research Communications</i> , 1978 , 83, 984-904	3.4	54
68	Vitamin B6 metabolism by human liver. <i>Annals of the New York Academy of Sciences</i> , 1990 , 585, 110-7	6.5	51
67	Facile enzymatic synthesis of fatty acylcoenzyme A thioesters. <i>Journal of Lipid Research</i> , 1982 , 23, 1368-1373	1.7	50
66	Variations in riboflavin binding by human plasma: identification of immunoglobulins as the major proteins responsible. <i>Biochemical Medicine</i> , 1985 , 34, 151-65		48
65	Effects of sphingosine and other sphingolipids on protein kinase C. <i>Methods in Enzymology</i> , 2000 , 312, 361-73	1.7	47
64	Fumonisin B1 consumption by rats causes reversible, dose-dependent increases in urinary sphinganine and sphingosine. <i>Journal of Nutrition</i> , 1999 , 129, 214-20	4.1	47
63	Ceramidases. <i>Methods in Enzymology</i> , 2000 , 311, 194-201	1.7	46
62	Stereoselectivity of induction of the retinoblastoma gene product (pRb) dephosphorylation by D-erythro-sphingosine supports a role for pRb in growth suppression by sphingosine. <i>Biochemistry</i> , 1995 , 34, 1885-92	3.2	44
61	Lipid modulation of cell function. <i>Annual Review of Nutrition</i> , 1993 , 13, 539-59	9.9	44

60	Insulin-stimulated Hexose Transport and Glucose Oxidation in rat Adipocytes Is Inhibited by Sphingosine at a Step after Insulin Binding. <i>Journal of Biological Chemistry</i> , 1989 , 264, 6773-6779	5.4	42
59	Protein kinase C inhibition by sphingoid long-chain bases: effects on secretion in human neutrophils. <i>Archives of Biochemistry and Biophysics</i> , 1987 , 259, 204-14	4.1	41
58	Facile enzymatic synthesis of fatty acylcoenzyme A thioesters. <i>Journal of Lipid Research</i> , 1982 , 23, 1368-73	4.1	41
57	Affinity chromatographic purification and properties of flavokinase (ATP:riboflavin 5-phosphotransferase) from rat liver. <i>Journal of Biological Chemistry</i> , 1980 , 255, 1335-8	5.4	40
56	Fumonisin B1 alters sphingolipid metabolism and immune function in BALB/c mice: immunological responses to fumonisin B1. <i>Mycopathologia</i> , 1995 , 130, 163-70	2.9	37
55	Long-chain (sphingoid) bases inhibit multistage carcinogenesis in mouse C3H/10T1/2 cells treated with radiation and phorbol 12-myristate 13-acetate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 1953-7	11.5	37
54	Flavin affinity chromatography: general methods for purification of proteins that bind riboflavin. <i>Analytical Biochemistry</i> , 1978 , 89, 87-102	3.1	37
53	Insulin-stimulated hexose transport and glucose oxidation in rat adipocytes is inhibited by sphingosine at a step after insulin binding. <i>Journal of Biological Chemistry</i> , 1989 , 264, 6773-9	5.4	37
52	Immunocytochemical evidence for phorbol ester-induced directional translocations of protein kinase C in HL60, K562, CHO, and E7SKS cells: possible role in differentiation. <i>Cancer Research</i> , 1987 , 47, 2892-8	10.1	36
51	Ceramide: a new lipid "second messenger"?. <i>Nutrition Reviews</i> , 1992 , 50, 78-80	6.4	35
50	Analyses of plasma for metabolic and hormonal changes in rats flown aboard COSMOS 2044. <i>Journal of Applied Physiology</i> , 1992 , 73, 132S-135S	3.7	35
49	Lipid modulators of cell function. <i>Nutrition Reviews</i> , 1989 , 47, 161-9	6.4	33
48	Analysis of sphingoid bases and sphingoid base 1-phosphates by high-performance liquid chromatography. <i>Methods in Enzymology</i> , 2000 , 312, 3-9	1.7	32
47	Altered carbohydrate, lipid, and xenobiotic metabolism by liver from rats flown on Cosmos 1887. <i>FASEB Journal</i> , 1990 , 4, 95-100	0.9	32
46	Differential effects of long-chain (sphingoid) bases on the monocytic differentiation of human leukemia (HL-60) cells induced by phorbol esters, 1 alpha, 25-dihydroxyvitamin D3, or ganglioside GM3. <i>Cancer Research</i> , 1989 , 49, 3229-34	10.1	31
45	Fumonisin B1 and hydrolyzed fumonisin B1 (AP1) in tortillas and nixtamalized corn (<i>Zea mays</i> L.) from two different geographic locations in Guatemala. <i>Journal of Food Protection</i> , 1999 , 62, 1218-22	2.5	30
44	Sphingolipid biosynthesis by rat liver cells: effects of serine, fatty acids and lipoproteins. <i>Journal of Nutrition</i> , 1989 , 119, 534-8	4.1	30
43	Role of dietary sphingolipids and inhibitors of sphingolipid metabolism in cancer and other diseases. <i>Journal of Nutrition</i> , 1995 , 125, 1677S-1682S	4.1	30

42	Alteration in sphingolipid metabolism: bioassays for fumonisin- and ISP-I-like activity in tissues, cells and other matrices. <i>Natural Toxins</i> , 1999 , 7, 407-14		29
41	Purification of riboflavin-binding proteins from bovine plasma and discovery of a pregnancy-specific riboflavin-binding protein. <i>Journal of Biological Chemistry</i> , 1979 , 254, 9362-4	5.4	29
40	The fasting B6 vitamers profile and response to a pyridoxine load in normal and cirrhotic subjects. <i>Hepatology</i> , 1986 , 6, 464-71	11.2	28
39	Modulation of retinoic acid-induced differentiation of human leukemia (HL-60) cells by serum factors and sphinganine. <i>Cancer Research</i> , 1990 , 50, 222-6	10.1	28
38	Ceramide synthase. <i>Methods in Enzymology</i> , 2000 , 311, 15-21	1.7	26
37	Utilization of different fatty acyl-CoA thioesters by serine palmitoyltransferase from rat brain.. <i>Journal of Lipid Research</i> , 1984 , 25, 185-188	6.3	26
36	Comparison of serine palmitoyltransferase in Morris hepatoma 7777 and rat liver. <i>Cancer Research</i> , 1984 , 44, 1918-23	10.1	23
35	Spectroscopic studies of pyridoxamine (pyridoxine) 5-phosphate oxidase. Equilibrium dissociation constants and spectra for riboflavin 5-phosphate and analogues. <i>Biochemistry</i> , 1979 , 18, 3635-41	3.2	22
34	Functional differences in human neutrophils isolated pre- and post-prandially. <i>FEBS Letters</i> , 1991 , 286, 28-32	3.8	20
33	Utilization of different fatty acyl-CoA thioesters by serine palmitoyltransferase from rat brain. <i>Journal of Lipid Research</i> , 1984 , 25, 185-8	6.3	20
32	Inhibition of the induction of ornithine decarboxylase activity by 12-O-tetradecanoylphorbol-13-acetate in mouse skin by sphingosine sulfate. <i>Carcinogenesis</i> , 1989 , 10, 379-81	4.6	19
31	Inhibition of skin carcinomas but not papillomas by sphingosine, N-methylsphingosine, and N-acetylsphingosine. <i>Nutrition and Cancer</i> , 1998 , 31, 119-26	2.8	18
30	Differences in glycogen, lipids, and enzymes in livers from rats flown on COSMOS 2044. <i>Journal of Applied Physiology</i> , 1992 , 73, 142S-147S	3.7	17
29	Isolation and identification of alternative riboflavin-binding proteins from human plasma. <i>Biochemical Medicine</i> , 1981 , 25, 198-206		17
28	Use of cytochrome P-450 _{scc} to measure cholesterol-lipid interactions. <i>Biochemistry</i> , 1986 , 25, 4287-92	3.2	14
27	Activation and inactivation of rabbit liver pyridoxamine (pyridoxine) 5-phosphate oxidase activity by urea and other solutes. <i>Archives of Biochemistry and Biophysics</i> , 1979 , 195, 325-35	4.1	14
26	Rapid turnover of sphingosine synthesized de novo from [14C]serine by Chinese hamster ovary cells. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 157, 232-7	3.4	13
25	Activities of the initial enzymes of glycerolipid and sphingolipid synthesis in lung microsomes from rats exposed to air or 85% oxygen. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 119, 995-1000	3.4	13

24	Increases in serum sphingomyelin by 17 beta-estradiol. <i>Lipids</i> , 1985 , 20, 252-4	1.6	13
23	Influences of sphingosine on two-stage skin tumorigenesis in Sencar mice. <i>Cancer Letters</i> , 1992 , 62, 35-40	3.9	12
22	Activities of the hepatic enzymes of vitamin B6 metabolism for patients with cirrhosis. <i>American Journal of Clinical Nutrition</i> , 1986 , 44, 461-7	7	12
21	A cross-sectional study of human serum sphingolipids, diet and physiologic parameters. <i>Journal of Nutrition</i> , 2001 , 131, 2748-52	4.1	11
20	Mycotoxins and health hazards: toxicological aspects and mechanism of action of fumonisins. <i>Journal of Toxicological Sciences</i> , 1998 , 23 Suppl 2, 160-4	1.9	11
19	Sphingomyelin hydrolysis and regulation of the expression of the gene for cytochrome P450. <i>Biochemical Society Transactions</i> , 1999 , 27, 383-7	5.1	11
18	The effect of fumonisin B1 on developing chick embryos: correlation between de novo sphingolipid biosynthesis and gross morphological changes. <i>Glycoconjugate Journal</i> , 1996 , 13, 167-75	3	10
17	Differences in the long chain (sphingoid) base composition of sphingomyelin from rats bearing Morris hepatoma 7777. <i>Lipids</i> , 1986 , 21, 529-30	1.6	10
16	Induction of hepatic and intestinal flavokinase after oral administration of riboflavin to riboflavin-deficient rats. <i>Experimental Biology and Medicine</i> , 1978 , 158, 572-4	3.7	9
15	Chronic toxicity of fumonisins from <i>Fusarium moniliforme</i> culture material (M-1325) to mink. <i>Archives of Environmental Contamination and Toxicology</i> , 1995 , 29, 545-50	3.2	8
14	Vitamin B6 repletion in cirrhosis with oral pyridoxine: failure to improve amino acid metabolism. <i>Hepatology</i> , 1989 , 9, 582-8	11.2	8
13	Spectroscopic studies of complexes between pyridoxamine (pyridoxine)-5-phosphate oxidase and pyridoxyl 5-phosphate compounds differing at position 4. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1980 , 626, 57-63		8
12	Preparation and properties of immobilized flavokinase. <i>Biotechnology and Bioengineering</i> , 1979 , 21, 1629-38	4.9	7
11	Synthesis of N-(4-pyridoxyl)sphingosine and its uptake and metabolism by isolated cells. <i>Membrane Biochemistry</i> , 1993 , 10, 53-9		6
10	Identification of ammonium ion and 2,6-bis(omega-aminobutyl)- 3, 5-diiminopiperazine as endogenous factors that account for the "burst" of sphingosine upon changing the medium of J774 cells in culture. <i>Journal of Biological Chemistry</i> , 1999 , 274, 33875-80	5.4	5
9	Highly sensitive methods for assaying the enzymes of vitamin B6 metabolism. <i>Methods in Enzymology</i> , 1986 , 122, 110-6	1.7	4
8	Flavin affinity chromatography. <i>Methods in Enzymology</i> , 1980 , 66, 338-44	1.7	4
7	Sphingolipids inhibit multistage carcinogenesis and protein kinase C. <i>Basic Life Sciences</i> , 1993 , 61, 367-71		4

6	Apo A-IV: a new satiety signal. <i>Nutrition Reviews</i> , 1993 , 51, 273-5	6.4	2
5	Preparation of flavin 5Qphosphates using immobilized flavokinase. <i>Methods in Enzymology</i> , 1980 , 66, 287-90	1.7	2
4	Mechanistic aspects of vitamin and coenzyme utilization and function: a symposium in recognition of the distinguished career of Donald B. McCormick. <i>Journal of Nutrition</i> , 2000 , 130, 321S-322S	4.1	1
3	Compilation of methods published in previous volumes of <i>Methods in Enzymology</i> . <i>Methods in Enzymology</i> , 2000 , 312, 583-92	1.7	1
2	Sphingolipid-dependent signaling in regulation of cytochrome P450 expression. <i>Methods in Enzymology</i> , 1996 , 272, 381-8	1.7	1
1	Sphingolipids Inhibit Protein Kinase C and Multistep Transformation 1993 , 431-434		