George M Carman

List of Publications by Year
in descending order

182 papers	10,000 citations	28274 55 h-index	42399 92 g-index
184 all docs	184 docs citations	184 times ranked	5756 citing authors

#	Article	IF	Citations
1	The Saccharomyces cerevisiae Lipin Homolog Is a Mg2+-dependent Phosphatidate Phosphatase Enzyme*. Journal of Biological Chemistry, 2006, 281, 9210-9218.	3.4	481
2	Metabolism and Regulation of Glycerolipids in the Yeast Saccharomyces cerevisiae. Genetics, 2012, 190, 317-349.	2.9	437
3	Phospholipid biosynthesis in the yeast Saccharomyces cerevisiae and interrelationship with other metabolic processes. Progress in Lipid Research, 1999, 38, 361-399.	11.6	291
4	Lipid Signaling Enzymes and Surface Dilution Kinetics. Journal of Biological Chemistry, 1995, 270, 18711-18714.	3.4	259
5	Roles of phosphatidate phosphatase enzymes in lipid metabolism. Trends in Biochemical Sciences, 2006, 31, 694-699.	7.5	249
6	Identification of a novel phosphatase sequence motif. Protein Science, 1997, 6, 469-472.	7.6	230
7	Purification and Characterization of Liposan, a Bioemulsifier from Candida lipolytica. Applied and Environmental Microbiology, 1985, 50, 846-850.	3.1	223
8	Regulation of Phospholipid Synthesis in the Yeast Saccharomyces cerevisiae. Annual Review of Biochemistry, 2011, 80, 859-883.	11.1	216
9	Control of Phospholipid Synthesis by Phosphorylation of the Yeast Lipin Pah1p/Smp2p Mg2+-dependent Phosphatidate Phosphatase. Journal of Biological Chemistry, 2006, 281, 34537-34548.	3.4	188
10	Phosphatidic Acid Plays a Central Role in the Transcriptional Regulation of Glycerophospholipid Synthesis in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2007, 282, 37293-37297.	3.4	180
11	Phosphatidic Acid Phosphatase, a Key Enzyme in the Regulation of Lipid Synthesis. Journal of Biological Chemistry, 2009, 284, 2593-2597.	3.4	175
12	A phosphorylation-regulated amphipathic helix controls the membrane translocation and function of the yeast phosphatidate phosphatase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17539-17544.	7.1	172
13	An Unconventional Diacylglycerol Kinase That Regulates Phospholipid Synthesis and Nuclear Membrane Growth. Journal of Biological Chemistry, 2008, 283, 20433-20442.	3.4	153
14	The Cellular Functions of the Yeast Lipin Homolog Pah1p Are Dependent on Its Phosphatidate Phosphatase Activity. Journal of Biological Chemistry, 2007, 282, 37026-37035.	3.4	150
15	Regulation of Phospholipid Biosynthesis in the Yeast Saccharomyces cerevisiae. Journal of Biological Chemistry, 1996, 271, 13293-13296.	3.4	148
16	Phosphatidate phosphatase, a key regulator of lipid homeostasis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 514-522.	2.4	134
17	The LPP1 and DPP1 Gene Products Account for Most of the Isoprenoid Phosphate Phosphatase Activities inSaccharomyces cerevisiae. Journal of Biological Chemistry, 1999, 274, 14831-14837.	3.4	126
18	Phosphatidic acid mediates demyelination in Lpin1 mutant mice. Genes and Development, 2008, 22, 1647-1661.	5.9	122

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19	Characterization of the Human LPIN1-encoded Phosphatidate Phosphatase Isoforms. Journal of Biological Chemistry, 2010, 285, 14628-14638.	3.4	120
20	The brown adipocyte protein CIDEA promotes lipid droplet fusion via a phosphatidic acid-binding amphipathic helix. ELife, 2015, 4, e07485.	6.0	118
21	Phosphatidate Phosphatase Activity Plays Key Role in Protection against Fatty Acid-induced Toxicity in Yeast. Journal of Biological Chemistry, 2011, 286, 29074-29085.	3.4	113
22	Lipid partitioning at the nuclear envelope controls membrane biogenesis. Molecular Biology of the Cell, 2015, 26, 3641-3657.	2.1	113
23	Effect of CTP Synthetase Regulation by CTP on Phospholipid Synthesis in Saccharomyces cerevisiae. Journal of Biological Chemistry, 1998, 273, 18992-19001.	3.4	112
24	Isolation and Characterization of the Saccharomyces cerevisiae DPP1 Gene Encoding Diacylglycerol Pyrophosphate Phosphatase. Journal of Biological Chemistry, 1998, 273, 3278-3284.	3.4	109
25	Isolation and Characterization of the Saccharomyces cerevisiae LPP1 Gene Encoding a Mg2+-independent Phosphatidate Phosphatase. Journal of Biological Chemistry, 1998, 273, 14331-14338.	3.4	107
26	Phosphorylation of Phosphatidate Phosphatase Regulates Its Membrane Association and Physiological Functions in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 1486-1498.	3.4	106
27	Regulation of Lipid Biosynthesis in Saccharomyces cerevisiae by Fumonisin B1. Journal of Biological Chemistry, 1995, 270, 13171-13178.	3.4	102
28	Temporal and Spatial Regulation of the Phosphatidate Phosphatases Lipin 1 and 2. Journal of Biological Chemistry, 2008, 283, 29166-29174.	3.4	99
29	Interactions among pathways for phosphatidylcholine metabolism, CTP synthesis and secretion through the Golgi apparatus. Trends in Biochemical Sciences, 1999, 24, 146-150.	7.5	98
30	The Escherichia coli pgpB Gene Encodes for a Diacylglycerol Pyrophosphate Phosphatase Activity. Journal of Biological Chemistry, 1996, 271, 30548-30553.	3.4	94
31	Lipid Phosphate Phosphatases in Arabidopsis. Journal of Biological Chemistry, 2001, 276, 20300-20308.	3.4	93
32	Regulation of phospholipid synthesis in yeast. Journal of Lipid Research, 2009, 50, S69-S73.	4.2	92
33	Pho85p-Pho80p Phosphorylation of Yeast Pah1p Phosphatidate Phosphatase Regulates Its Activity, Location, Abundance, and Function in Lipid Metabolism. Journal of Biological Chemistry, 2012, 287, 11290-11301.	3.4	89
34	Regulation of lipid droplet and membrane biogenesis by the acidic tail of the phosphatidate phosphatase Pah1p. Molecular Biology of the Cell, 2013, 24, 2124-2133.	2.1	87
35	Purification and Characterization of Diacylglycerol Pyrophosphate Phosphatase from Saccharomyces cerevisiae. Journal of Biological Chemistry, 1996, 271, 1868-1876.	3.4	84
36	Characterization of the Yeast DGK1-encoded CTP-dependent Diacylglycerol Kinase. Journal of Biological Chemistry, 2008, 283, 20443-20453.	3.4	82

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37	CGI-58/ABHD5 is a coenzyme A-dependent lysophosphatidic acid acyltransferase. Journal of Lipid Research, 2010, 51, 709-719.	4.2	80
38	Mammalian Mg2+-independent Phosphatidate Phosphatase (PAP2) Displays Diacylglycerol Pyrophosphate Phosphatase Activity. Journal of Biological Chemistry, 1997, 272, 10361-10366.	3.4	79
39	Isolation and Characterization of the Saccharomyces cerevisiae EKI1 Gene Encoding Ethanolamine Kinase. Journal of Biological Chemistry, 1999, 274, 14857-14866.	3.4	79
40	The Saccharomyces cerevisiae LSB6 Gene Encodes Phosphatidylinositol 4-Kinase Activity. Journal of Biological Chemistry, 2002, 277, 47709-47718.	3.4	75
41	Regulation of Phospholipid Synthesis in Saccharomyces cerevisiae by Zinc. Journal of Biological Chemistry, 2004, 279, 21976-21983.	3.4	75
42	CTP synthetase and its role in phospholipid synthesis in the yeast Saccharomyces cerevisiae. Progress in Lipid Research, 2008, 47, 333-339.	11.6	72
43	Protein Kinase A-mediated Phosphorylation of Pah1p Phosphatidate Phosphatase Functions in Conjunction with the Pho85p-Pho80p and Cdc28p-Cyclin B Kinases to Regulate Lipid Synthesis in Yeast. Journal of Biological Chemistry, 2012, 287, 33364-33376.	3.4	70
44	[54] Phosphatidate phosphatase from yeast. Methods in Enzymology, 1991, 197, 548-553.	1.0	67
45	The CWH8 Gene Encodes a Dolichyl Pyrophosphate Phosphatase with a Luminally Oriented Active Site in the Endoplasmic Reticulum of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 41455-41464.	3.4	65
46	DGK1-encoded Diacylglycerol Kinase Activity Is Required for Phospholipid Synthesis during Growth Resumption from Stationary Phase in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 1464-1474.	3.4	63
47	Regulation of Phospholipid Biosynthesis in Saccharomyces cerevisiae by CTP. Journal of Biological Chemistry, 1995, 270, 18774-18780.	3.4	62
48	Phosphorylation of CTP Synthetase from Saccharomyces cerevisiae by Protein Kinase C. Journal of Biological Chemistry, 1995, 270, 14983-14988.	3.4	60
49	Identification of the Maize Amyloplast Stromal 112-kD Protein as a Plastidic Starch Phosphorylase. Plant Physiology, 2001, 125, 351-359.	4.8	60
50	CGI-58/ABHD5 is phosphorylated on Ser239 by protein kinase A: control of subcellular localization. Journal of Lipid Research, 2015, 56, 109-121.	4.2	60
51	Regulation of Profilin Localization in Saccharomyces cerevisiae by Phosphoinositide Metabolism. Journal of Biological Chemistry, 1995, 270, 27045-27050.	3.4	59
52	Use of synthetic lethal mutants to clone and characterize a novel CTP synthetase gene in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1994, 242, 431-439.	2.4	58
53	Proinflammatory Macrophage-activating Properties of the Novel Phospholipid Diacylglycerol Pyrophosphate. Journal of Biological Chemistry, 1999, 274, 522-526.	3.4	58
54	Regulation of the Saccharomyces cerevisiae DPP1-encoded Diacylglycerol Pyrophosphate Phosphatase by Zinc. Journal of Biological Chemistry, 2001, 276, 10126-10133.	3.4	57

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55	PAH1-encoded Phosphatidate Phosphatase Plays a Role in the Growth Phase- and Inositol-mediated Regulation of Lipid Synthesis in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2013, 288, 35781-35792.	3.4	57
56	Solubilization of microsomal-associated phosphatidylserine synthase and phosphatidylinositol synthase from Saccharomyces cerevisiae. Canadian Journal of Microbiology, 1981, 27, 1140-1149.	1.7	55
57	Regulation of Phosphatidate Phosphatase Activity from the Yeast Saccharomyces cerevisiae by Phospholipids. Biochemistry, 1996, 35, 3790-3796.	2.5	55
58	Phosphorylation Regulates the Ubiquitin-independent Degradation of Yeast Pah1 Phosphatidate Phosphatase by the 20S Proteasome. Journal of Biological Chemistry, 2015, 290, 11467-11478.	3.4	55
59	Regulation of phospholipid synthesis in Saccharomyces cerevisiae by zinc depletion. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 322-330.	2.4	53
60	Fat-regulating phosphatidic acid phosphatase: a review of its roles and regulation in lipid homeostasis. Journal of Lipid Research, 2019, 60, 2-6.	4.2	53
61	Phospholipid synthesis in yeast: regulation by phosphorylation. Biochemistry and Cell Biology, 2004, 82, 62-70.	2.0	52
62	Expression, Purification, and Characterization of Choline Kinase, Product of the CKI Gene from Saccharomyces cerevisiae. Journal of Biological Chemistry, 1998, 273, 6844-6852.	3.4	51
63	Phosphorylation of the Yeast Phospholipid Synthesis Regulatory Protein Opi1p by Protein Kinase C. Journal of Biological Chemistry, 2001, 276, 29915-29923.	3.4	50
64	Combination of lipid metabolism alterations and their sensitivity to inflammatory cytokines in human lipin-1-deficient myoblasts. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2103-2114.	3.8	50
65	Regulation of eukaryotic phospholipid metabolism 1. FASEB Journal, 1991, 5, 2258-2266.	0.5	49
66	Phosphorylation and Regulation of CTP Synthetase from Saccharomyces cerevisiae by Protein Kinase A. Journal of Biological Chemistry, 1996, 271, 28777-28783.	3.4	49
67	Nucleotide-dependent Tetramerization of CTP Synthetase from Saccharomyces cerevisiae. Journal of Biological Chemistry, 1998, 273, 15954-15960.	3.4	49
68	The Saccharomyces cerevisiae Actin Patch Protein App1p Is a Phosphatidate Phosphatase Enzyme. Journal of Biological Chemistry, 2012, 287, 40186-40196.	3.4	48
69	Yeast Nem1-Spo7 Protein Phosphatase Activity on Pah1 Phosphatidate Phosphatase Is Specific for the Pho85-Pho80 Protein Kinase Phosphorylation Sites. Journal of Biological Chemistry, 2014, 289, 34699-34708.	3.4	48
70	Altered Lipid Synthesis by Lack of Yeast Pah1 Phosphatidate Phosphatase Reduces Chronological Life Span. Journal of Biological Chemistry, 2015, 290, 25382-25394.	3.4	47
71	Purification and Characterization of CTP Synthetase, the Product of the URA7 Gene in Saccharomyces cerevisiae. Biochemistry, 1994, 33, 10785-10793.	2.5	46
72	Fat storage-inducing transmembrane (FIT or FITM) proteins are related to lipid phosphatase/phosphotransferase enzymes. Microbial Cell, 2018, 5, 88-103.	3.2	46

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73	Differential Biochemical Regulation of the URA7- and URA8-encoded CTP Synthetases from Saccharomyces cerevisiae. Journal of Biological Chemistry, 1995, 270, 24982-24988.	3.4	45
74	MODIFICATION OF THE AGRANOFF-SUOMI METHOD FOR THE SYNTHESIS OF CDP-DIACYLGLYCEROL. Journal of Food Biochemistry, 1980, 4, 53-59.	2.9	44
75	[36] Phosphatidylinositol synthase from yeast. Methods in Enzymology, 1992, 209, 305-312.	1.0	44
76	Regulation of Yeast CTP Synthetase Activity by Protein Kinase C. Journal of Biological Chemistry, 1996, 271, 11113-11119.	3.4	44
77	Mutagenesis of the Phosphatase Sequence Motif in Diacylglycerol Pyrophosphate Phosphatase from Saccharomyces cerevisiae. Biochemistry, 1999, 38, 14606-14613.	2.5	44
78	Phosphorylation of CTP Synthetase on Ser36, Ser330, Ser354, and Ser454 Regulates the Levels of CTP and Phosphatidylcholine Synthesis in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2003, 278, 20785-20794.	3.4	44
79	Lipin-1Î³ isoform is a novel lipid droplet-associated protein highly expressed in the brain. FEBS Letters, 2011, 585, 1979-1984.	2.8	44
80	Cross-talk Phosphorylations by Protein Kinase C and Pho85p-Pho80p Protein Kinase Regulate Pah1p Phosphatidate Phosphatase Abundance in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2014, 289, 18818-18830.	3.4	44
81	Regulation of phosphatidylethanolamine methyltransferase and phospholipid methyltransferase by phospholipid precursors in Saccharomyces cerevisiae. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1991, 1090, 326-332.	2.4	43
82	Phosphorylation of the Yeast Phospholipid Synthesis Regulatory Protein Opi1p by Protein Kinase A. Journal of Biological Chemistry, 2003, 278, 20673-20680.	3.4	42
83	Phosphatidate Phosphatase Plays Role in Zinc-mediated Regulation of Phospholipid Synthesis in Yeast. Journal of Biological Chemistry, 2012, 287, 968-977.	3.4	42
84	Identification of Ser424 as the Protein Kinase A Phosphorylation Site in CTP Synthetase from Saccharomyces cerevisiae. Biochemistry, 1999, 38, 8839-8848.	2.5	41
85	Distinct Roles of the Phosphatidate Phosphatases Lipin 1 and 2 during Adipogenesis and Lipid Droplet Biogenesis in 3T3-L1 Cells. Journal of Biological Chemistry, 2013, 288, 34502-34513.	3.4	41
86	Phosphorylation of Yeast Pah1 Phosphatidate Phosphatase by Casein Kinase II Regulates Its Function in Lipid Metabolism. Journal of Biological Chemistry, 2016, 291, 9974-9990.	3.4	41
87	Cell Autonomous Lipin 1 Function Is Essential for Development and Maintenance of White and Brown Adipose Tissue. Molecular and Cellular Biology, 2012, 32, 4794-4810.	2.3	40
88	Enzymological properties of the LPP1-encoded lipid phosphatase from Saccharomyces cerevisiae11This work was supported in part by United States Public Health Service, National Institutes of Health Grant GM-28140.. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1484, 71-82.	2.4	39
89	Phosphorylation of Saccharomyces cerevisiae Choline Kinase on Ser30 and Ser85 by Protein Kinase A Regulates Phosphatidylcholine Synthesis by the CDP-choline Pathway. Journal of Biological Chemistry, 2002, 277, 34978-34986.	3.4	39
90	Expression of Human CTP Synthetase in Saccharomyces cerevisiae Reveals Phosphorylation by Protein Kinase A. Journal of Biological Chemistry, 2005, 280, 38328-38336.	3.4	39

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91	Phosphatidate-mediated regulation of lipid synthesis at the nuclear/endoplasmic reticulum membrane. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158434.	2.4	39
92	A WASp-binding type II phosphatidylinositol 4-kinase required for actin polymerization-driven endosome motility. Journal of Cell Biology, 2005, 171, 133-142.	5.2	38
93	Yeast Pah1p Phosphatidate Phosphatase Is Regulated by Proteasome-mediated Degradation. Journal of Biological Chemistry, 2014, 289, 9811-9822.	3.4	38
94	Phosphorylation of Saccharomyces cerevisiae CTP Synthetase at Ser424 by Protein Kinases A and C Regulates Phosphatidylcholine Synthesis by the CDP-choline Pathway. Journal of Biological Chemistry, 2003, 278, 23610-23616.	3.4	37
95	Regulation of the PIS1-encoded Phosphatidylinositol Synthase in Saccharomyces cerevisiae by Zinc. Journal of Biological Chemistry, 2005, 280, 29017-29024.	3.4	37
96	Phosphorylation and Regulation of Choline Kinase fromSaccharomyces cerevisiae by Protein Kinase A. Journal of Biological Chemistry, 1999, 274, 9531-9538.	3.4	36
97	Yeast PAH1-encoded phosphatidate phosphatase controls the expression of CHO1-encoded phosphatidylserine synthase for membrane phospholipid synthesis. Journal of Biological Chemistry, 2017, 292, 13230-13242.	3.4	36
98	Phosphorylation of Yeast Phosphatidylserine Synthase by Protein Kinase A. Journal of Biological Chemistry, 2010, 285, 11526-11536.	3.4	35
99	Phosphatidylglycerophosphate synthase activity in Saccharomyces cerevisiae. Canadian Journal of Microbiology, 1983, 29, 1452-1457.	1.7	34
100	Purification and Characterization of the Maize Amyloplast Stromal 112-kDa Starch Phosphorylase. Archives of Biochemistry and Biophysics, 2001, 388, 155-164.	3.0	33
101	Vacuole Membrane Topography of the DPP1-encoded Diacylglycerol Pyrophosphate Phosphatase Catalytic Site from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2004, 279, 5338-5345.	3.4	33
102	Phosphorylation of Human CTP Synthetase 1 by Protein Kinase C. Journal of Biological Chemistry, 2007, 282, 17613-17622.	3.4	33
103	Increased ATPase Activity Is Responsible for Acid Sensitivity of Nisin-Resistant Listeria monocytogenes ATCC 700302. Applied and Environmental Microbiology, 2004, 70, 2717-2721.	3.1	32
104	[35] Phosphatidylserine synthase from yeast. Methods in Enzymology, 1992, 209, 298-305.	1.0	31
105	A Hypomorphic Mutation in Lpin1 Induces Progressively Improving Neuropathy and Lipodystrophy in the Rat. Journal of Biological Chemistry, 2011, 286, 26781-26793.	3.4	30
106	Phosphorylation of the Yeast Choline Kinase by Protein Kinase C. Journal of Biological Chemistry, 2005, 280, 26105-26112.	3.4	27
107	[28] CDPdiacylglycerol synthase from yeast. Methods in Enzymology, 1992, 209, 242-247.	1.0	26
108	Regulation of the Yeast DPP1-encoded Diacylglycerol Pyrophosphate Phosphatase by Transcription Factor Gis1p. Journal of Biological Chemistry, 2003, 278, 31495-31503.	3.4	26

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109	Casein Kinase II Phosphorylation of the Yeast Phospholipid Synthesis Transcription Factor Opi1p. Journal of Biological Chemistry, 2006, 281, 4754-4761.	3.4	26
110	Fluorescence spectroscopy measures yeast PAH1-encoded phosphatidate phosphatase interaction with liposome membranes. Journal of Lipid Research, 2012, 53, 522-528.	4.2	26
111	Regulation of the DPP1-encoded Diacylglycerol Pyrophosphate (DGPP) Phosphatase by Inositol and Growth Phase. Journal of Biological Chemistry, 2000, 275, 40887-40896.	3.4	25
112	Comparative gene identification 58/Î±/Î² hydrolase domain 5 lacks lysophosphatidic acid acyltransferase activity. Journal of Lipid Research, 2014, 55, 1750-1761.	4.2	25
113	Redundant roles of the phosphatidate phosphatase family in triacylglycerol synthesis in human adipocytes. Diabetologia, 2016, 59, 1985-1994.	6.3	25
114	Discoveries of the phosphatidate phosphatase genes in yeast published in the Journal of Biological Chemistry. Journal of Biological Chemistry, 2019, 294, 1681-1689.	3.4	24
115	Regulation of the Saccharomyces cerevisiae EKI1-encoded Ethanolamine Kinase by Zinc Depletion. Journal of Biological Chemistry, 2006, 281, 13110-13116.	3.4	22
116	Yeast phosphatidic acid phosphatase Pah1 hops and scoots along the membrane phospholipid bilayer. Journal of Lipid Research, 2020, 61, 1232-1243.	4.2	21
117	Phosphorylation of Human CTP Synthetase 1 by Protein Kinase A. Journal of Biological Chemistry, 2007, 282, 5367-5377.	3.4	20
118	Regulation of the Saccharomyces cerevisiae CKI1-encoded Choline Kinase by Zinc Depletion. Journal of Biological Chemistry, 2008, 283, 10079-10088.	3.4	20
119	Characterization of the Yeast Actin Patch Protein App1p Phosphatidate Phosphatase. Journal of Biological Chemistry, 2013, 288, 6427-6437.	3.4	20
120	Phosphorylation of Dgk1 Diacylglycerol Kinase by Casein Kinase II Regulates Phosphatidic Acid Production in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2016, 291, 26455-26467.	3.4	20
121	Phosphorylation of lipid metabolic enzymes by yeast protein kinase C requires phosphatidylserine and diacylglycerol. Journal of Lipid Research, 2017, 58, 742-751.	4.2	20
122	Host Pah1p phosphatidate phosphatase limits viral replication by regulating phospholipid synthesis. PLoS Pathogens, 2018, 14, e1006988.	4.7	20
123	Regulation of Phospholipid Synthesis in the Yeast ckiÎ” ekiÎ” Mutant Defective in the Kennedy Pathway. Journal of Biological Chemistry, 2004, 279, 12081-12087.	3.4	18
124	Molecular characterization of phosphorylcholine expression on the lipooligosaccharide of Histophilus somni. Microbial Pathogenesis, 2009, 47, 223-230.	2.9	18
125	A conserved tryptophan within the WRDPLVDID domain of yeast Pah1 phosphatidate phosphatase is required for its in vivo function in lipid metabolism. Journal of Biological Chemistry, 2017, 292, 19580-19589.	3.4	17
126	Assaying Lipid Phosphate Phosphatase Activities. , 2004, 284, 209-216.		16

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127	Colorimetric determination of pure Mg2+-dependent phosphatidate phosphatase activity. Analytical Biochemistry, 2008, 373, 392-394.	2.4	16
128	Phosphatidate phosphatase regulates membrane phospholipid synthesis via phosphatidylserine synthase. Advances in Biological Regulation, 2018, 67, 49-58.	2.3	16
129	Protein kinase A phosphorylates the Nem1â€“Spo7 protein phosphatase complex that regulates the phosphorylation state of the phosphatidate phosphatase Pah1 in yeast. Journal of Biological Chemistry, 2018, 293, 15801-15814.	3.4	16
130	Solubilization of Microsomal-Associated Phosphatidylinositol Synthase from Germinating Soybeans. Plant Physiology, 1982, 69, 146-149.	4.8	15
131	Metabolism of diacylglycerol pyrophosphate by suspension cultured Catharanthus roseus cells. Plant Science, 1997, 128, 1-10.	3.6	15
132	Regulation of the Yeast EKI1-encoded Ethanolamine Kinase by Inositol and Choline. Journal of Biological Chemistry, 2004, 279, 35353-35359.	3.4	15
133	The Yeast Anaerobic Response Element AR1b Regulates Aerobic Antifungal Drug-dependent Sterol Gene Expression. Journal of Biological Chemistry, 2013, 288, 35466-35477.	3.4	15
134	Yck1 casein kinase I regulates the activity and phosphorylation of Pah1 phosphatidate phosphatase from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2019, 294, 18256-18268.	3.4	14
135	Phosphatidylserine synthesis is essential for viability of the human fungal pathogen Cryptococcus neoformans. Journal of Biological Chemistry, 2019, 294, 2329-2339.	3.4	14
136	The Spo7 sequence LLI is required for Nem1-Spo7/Pah1 phosphatase cascade function in yeast lipid metabolism. Journal of Biological Chemistry, 2020, 295, 11473-11485.	3.4	13
137	Thematic Minireview Series on the Lipid Droplet, a Dynamic Organelle of Biomedical and Commercial Importance. Journal of Biological Chemistry, 2012, 287, 2272.	3.4	12
138	A PHOSPHATIDYLINOSITOL SYNTHASE ACTIVITY FROM GERMINATNIG SOYBEAN SEEDS. Journal of Food Biochemistry, 1980, 3, 89-102.	2.9	11
139	Solubilization of membrane-associated phosphatidylserine synthase from Clostridiuim perfringens. Canadian Journal of Microbiology, 1981, 27, 544-547.	1.7	11
140	SOLUBILIZATION OF MEMBRANE ASSOCIATED PHOSPHATIDYLINOSITOL KINASE FROM SACCHAROMYCES CEREVISIAE. Journal of Food Biochemistry, 1982, 6, 77-86.	2.9	11
141	Casein kinase Iiâ€“mediated phosphorylation of lipin 1Î² phosphatidate phosphatase at Ser-285 and Ser-287 regulates its interaction with 14-3-3Î² protein. Journal of Biological Chemistry, 2019, 294, 2365-2374.	3.4	11
142	Transcription Factor Reb1p Regulates DGK1-encoded Diacylglycerol Kinase and Lipid Metabolism in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2013, 288, 29124-29133.	3.4	10
143	Tips on the analysis of phosphatidic acid by the fluorometric coupled enzyme assay. Analytical Biochemistry, 2017, 526, 69-70.	2.4	10
144	Detection of phospholipid biosynthetic enzyme activities in Saccharomyces cerevisiae by colony autoradiography. Analytical Biochemistry, 1983, 135, 447-452.	2.4	9

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145	The discovery of the fat-regulating phosphatidic acid phosphatase gene. Frontiers in Biology, 2011, 6, 172-176.	0.7	9
146	Phosphorylation-mediated regulation of the Nem1-Spo7/Pah1 phosphatase cascade in yeast lipid synthesis. Advances in Biological Regulation, 2022, 84, 100889.	2.3	9
147	Glycogen synthase kinase homolog Rim11 regulates lipid synthesis through the phosphorylation of Pah1 phosphatidate phosphatase in yeast. Journal of Biological Chemistry, 2022, 298, 102221.	3.4	9
148	[20] Phosphatidylinositol 4-kinase from yeast. Methods in Enzymology, 1992, 209, 183-189.	1.0	8
149	Respiratory Deficiency Mediates the Regulation of CHO1-encoded Phosphatidylserine Synthase by mRNA Stability in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2007, 282, 31217-31227.	3.4	8
150	Introduction to Thematic Minireview Series: Novel Bioactive Sphingolipids. Journal of Biological Chemistry, 2015, 290, 15362-15364.	3.4	8
151	Protein kinase C mediates the phosphorylation of the Nem1â€“Spo7 protein phosphatase complex in yeast. Journal of Biological Chemistry, 2019, 294, 15997-16009.	3.4	8
152	A Plating Technique for the Selective Isolation of Yeast Utilizing Water Immiscible Carbon. Journal of Food Science, 1983, 48, 1554-1555.	3.1	7
153	Isolation of Novel Animal Cell Lines Defective in Glycerolipid Biosynthesis Reveals Mutations in Glucose-6-phosphate Isomerase. Journal of Biological Chemistry, 2010, 285, 866-877.	3.4	7
154	A spectrophotometric method for the assay of phospholipase D activity. Analytical Biochemistry, 1981, 110, 73-76.	2.4	6
155	MICROSOMAL-ASSOCIATED GLYCEROPHOSPHATE ACYLTRANSFERASE ACTIVITY IN GERMINATING SOYBEANS. Journal of Food Biochemistry, 1981, 5, 185-195.	2.9	6
156	Kinetic Analysis of Sphingoid Base Inhibition of Yeast Phosphatidate Phosphatase. Methods in Enzymology, 2000, 312, 373-380.	1.0	6
157	Mutant phosphatidate phosphatase Pah1-W637A exhibits altered phosphorylation, membrane association, and enzyme function in yeast. Journal of Biological Chemistry, 2022, 298, 101578.	3.4	6
158	MITOCHONDRIAL?ASSOCIATED CDP?DIACYLGLYCEROL SYNTHASE ACTIVITY IN GERMINATING SOYBEANS.. Journal of Food Biochemistry, 1980, 4, 261-272.	2.9	5
159	Characterization and localization of phosphatidylglycerophosphate and phosphatidylserine synthases in Rhodobacter sphaeroides. Archives of Microbiology, 1989, 152, 132-137.	2.2	5
160	An unusual phosphatidylethanolamine-utilizing cardiolipin synthase is discovered in bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16402-16403.	7.1	5
161	CHARACTERISTICS OF TYROSINE PHENOL-LYASE FROM AEROMONAS PHENOLOGENES ATCC 29063. Journal of Food Biochemistry, 1978, 1, 285-299.	2.9	4
162	SUBCELLULAR LOCALIZATION OF PHOSPHATIDYLINOSITOL SYNTHASE FROM GERMINATING SOYBEANS. Journal of Food Biochemistry, 1980, 4, 153-158.	2.9	4

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163	HOSPHATIDYLGLYCEROPHOSPHATE SYNTHASE FROM GERMINATING SOYBEANS. Journal of Food Biochemistry, 1984, 8, 321-333.	2.9	4
164	Lipid Phosphate Phosphatases from Saccharomyces cerevisiae. Methods in Enzymology, 2007, 434, 305-315.	1.0	4
165	Thematic Minireview Series on Phospholipase D and Cancer. Journal of Biological Chemistry, 2014, 289, 22554-22556.	3.4	4
166	Lipid metabolism has been good to me. Journal of Biological Chemistry, 2021, 297, 100786.	3.4	4
167	[24] Phosphatidate phosphatase from yeast mitochondria. Methods in Enzymology, 1992, 209, 219-224.	1.0	3
168	A review of phosphatidate phosphatase assays. Journal of Lipid Research, 2020, 61, 1556-1564.	4.2	3
169	KINETIC PROPERTIES OF PHOSPHATIDYLINOSITOL SYNTHASE FROM GERMINATING SOYBEANS. Journal of Food Biochemistry, 1980, 4, 147-152.	2.9	2
170	NITRITE REDUCTASE IN SALMONELLA TYPHIMURIUM. Journal of Food Safety, 1985, 7, 1-13.	2.3	2
171	Solving the Riddle of the Role of Sphingolipids in Cell Signaling. Journal of Biological Chemistry, 2016, 291, 11460-11461.	3.4	1
172	The Role of Phosphoinositides in Signaling and Disease: Introduction to the Thematic Review Series. Journal of Lipid Research, 2019, 60, 227-228.	4.2	1
173	RIPENING-ASSOCIATED PROTEOLYSIS OF A 27-kDa MAJOR INTRINSIC PROTEIN (MBP27) IN TOMATO FRUIT. Journal of Food Biochemistry, 2000, 24, 213-224.	2.9	0
174	Thematic Minireview Series: Inflammatory transcription confronts homeostatic disruptions. Journal of Biological Chemistry, 2017, 292, 12373-12374.	3.4	0
175	Masochistic Enzymology: Dennis Vance's Work on Phosphatidylcholine. Journal of Biological Chemistry, 2017, 292, 4753-4754.	3.4	0
176	Protein kinase Câ€mediated phosphorylation of human CTP synthetase. FASEB Journal, 2006, 20, A947.	0.5	0
177	Abstract 432: MEK/ERK Inhibition Corrects the Defect in VLDL Assembly and Secretion in HepG2 Cells via Activation of Cell Death–Inducing DFFA-Like Effector B (Cide B), ApoCIII and Lipin-1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, .	2.4	0
178	Phosphorylation/dephosphorylation of Yeast Pah1p Phosphatidate Phosphatase Regulate Its Ubiquitinâ€independent Proteasomal Degradation. FASEB Journal, 2015, 29, 568.2.	0.5	0
179	Spatiotemporal Activation of Yeast Lipin Pah1 and Phospholipid Remodelling during Lipid Droplet Formation. FASEB Journal, 2015, 29, 715.4.	0.5	0
180	Yeast Pah1 Phosphatidate Phosphatase Regulates the Expression of the CHO1 â€encoded Phosphatidylserine Synthase for Membrane Phospholipid Synthesis. FASEB Journal, 2015, 29, 568.14.	0.5	0

#	Article	IF	Citations
181	Phosphorylation of Yeast Nem1â€Spo7 Protein Phosphatase Complex by Protein Kinase C. FASEB Journal, 2018, 32, 539.2.	0.5	0
182	The conserved hydrophobic sequence LLI of yeast Spo7 is required for its regulatory role in Nem1â€Spo7 phosphatase function. FASEB Journal, 2019, 33, 488.11.	0.5	0