

George M Carman

List of Publications by Year in descending order

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182
papers

10,000
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28190

55
h-index

42291

92
g-index

184
all docs

184
docs citations

184
times ranked

5756
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Saccharomyces cerevisiae</i> Lipin Homolog Is a Mg ²⁺ -dependent Phosphatidate Phosphatase Enzyme*. <i>Journal of Biological Chemistry</i> , 2006, 281, 9210-9218.	1.6	481
2	Metabolism and Regulation of Glycerolipids in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2012, 190, 317-349.	1.2	437
3	Phospholipid biosynthesis in the yeast <i>Saccharomyces cerevisiae</i> and interrelationship with other metabolic processes. <i>Progress in Lipid Research</i> , 1999, 38, 361-399.	5.3	291
4	Lipid Signaling Enzymes and Surface Dilution Kinetics. <i>Journal of Biological Chemistry</i> , 1995, 270, 18711-18714.	1.6	259
5	Roles of phosphatidate phosphatase enzymes in lipid metabolism. <i>Trends in Biochemical Sciences</i> , 2006, 31, 694-699.	3.7	249
6	Identification of a novel phosphatase sequence motif. <i>Protein Science</i> , 1997, 6, 469-472.	3.1	230
7	Purification and Characterization of Liposan, a Bioemulsifier from <i>Candida lipolytica</i> . <i>Applied and Environmental Microbiology</i> , 1985, 50, 846-850.	1.4	223
8	Regulation of Phospholipid Synthesis in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Annual Review of Biochemistry</i> , 2011, 80, 859-883.	5.0	216
9	Control of Phospholipid Synthesis by Phosphorylation of the Yeast Lipin Pah1p/Smp2p Mg ²⁺ -dependent Phosphatidate Phosphatase. <i>Journal of Biological Chemistry</i> , 2006, 281, 34537-34548.	1.6	188
10	Phosphatidic Acid Plays a Central Role in the Transcriptional Regulation of Glycerophospholipid Synthesis in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 37293-37297.	1.6	180
11	Phosphatidic Acid Phosphatase, a Key Enzyme in the Regulation of Lipid Synthesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 2593-2597.	1.6	175
12	A phosphorylation-regulated amphipathic helix controls the membrane translocation and function of the yeast phosphatidate phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17539-17544.	3.3	172
13	An Unconventional Diacylglycerol Kinase That Regulates Phospholipid Synthesis and Nuclear Membrane Growth. <i>Journal of Biological Chemistry</i> , 2008, 283, 20433-20442.	1.6	153
14	The Cellular Functions of the Yeast Lipin Homolog Pah1p Are Dependent on Its Phosphatidate Phosphatase Activity. <i>Journal of Biological Chemistry</i> , 2007, 282, 37026-37035.	1.6	150
15	Regulation of Phospholipid Biosynthesis in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 13293-13296.	1.6	148
16	Phosphatidate phosphatase, a key regulator of lipid homeostasis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 514-522.	1.2	134
17	The LPP1 and DPP1 Gene Products Account for Most of the Isoprenoid Phosphate Phosphatase Activities in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 14831-14837.	1.6	126
18	Phosphatidic acid mediates demyelination in <i>Lpin1</i> mutant mice. <i>Genes and Development</i> , 2008, 22, 1647-1661.	2.7	122

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19	Characterization of the Human LPIN1-encoded Phosphatidate Phosphatase Isoforms. <i>Journal of Biological Chemistry</i> , 2010, 285, 14628-14638.	1.6	120
20	The brown adipocyte protein CIDEA promotes lipid droplet fusion via a phosphatidic acid-binding amphipathic helix. <i>ELife</i> , 2015, 4, e07485.	2.8	118
21	Phosphatidate Phosphatase Activity Plays Key Role in Protection against Fatty Acid-induced Toxicity in Yeast. <i>Journal of Biological Chemistry</i> , 2011, 286, 29074-29085.	1.6	113
22	Lipid partitioning at the nuclear envelope controls membrane biogenesis. <i>Molecular Biology of the Cell</i> , 2015, 26, 3641-3657.	0.9	113
23	Effect of CTP Synthetase Regulation by CTP on Phospholipid Synthesis in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 18992-19001.	1.6	112
24	Isolation and Characterization of the <i>Saccharomyces cerevisiae</i> DPP1 Gene Encoding Diacylglycerol Pyrophosphate Phosphatase. <i>Journal of Biological Chemistry</i> , 1998, 273, 3278-3284.	1.6	109
25	Isolation and Characterization of the <i>Saccharomyces cerevisiae</i> LPP1 Gene Encoding a Mg ²⁺ -independent Phosphatidate Phosphatase. <i>Journal of Biological Chemistry</i> , 1998, 273, 14331-14338.	1.6	107
26	Phosphorylation of Phosphatidate Phosphatase Regulates Its Membrane Association and Physiological Functions in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 1486-1498.	1.6	106
27	Regulation of Lipid Biosynthesis in <i>Saccharomyces cerevisiae</i> by Fumonisin B1. <i>Journal of Biological Chemistry</i> , 1995, 270, 13171-13178.	1.6	102
28	Temporal and Spatial Regulation of the Phosphatidate Phosphatases Lipin 1 and 2. <i>Journal of Biological Chemistry</i> , 2008, 283, 29166-29174.	1.6	99
29	Interactions among pathways for phosphatidylcholine metabolism, CTP synthesis and secretion through the Golgi apparatus. <i>Trends in Biochemical Sciences</i> , 1999, 24, 146-150.	3.7	98
30	The <i>Escherichia coli</i> pgpB Gene Encodes for a Diacylglycerol Pyrophosphate Phosphatase Activity. <i>Journal of Biological Chemistry</i> , 1996, 271, 30548-30553.	1.6	94
31	Lipid Phosphate Phosphatases in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 20300-20308.	1.6	93
32	Regulation of phospholipid synthesis in yeast. <i>Journal of Lipid Research</i> , 2009, 50, S69-S73.	2.0	92
33	Pho85p-Pho80p Phosphorylation of Yeast Pah1p Phosphatidate Phosphatase Regulates Its Activity, Location, Abundance, and Function in Lipid Metabolism. <i>Journal of Biological Chemistry</i> , 2012, 287, 11290-11301.	1.6	89
34	Regulation of lipid droplet and membrane biogenesis by the acidic tail of the phosphatidate phosphatase Pah1p. <i>Molecular Biology of the Cell</i> , 2013, 24, 2124-2133.	0.9	87
35	Purification and Characterization of Diacylglycerol Pyrophosphate Phosphatase from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 1868-1876.	1.6	84
36	Characterization of the Yeast DGK1-encoded CTP-dependent Diacylglycerol Kinase. <i>Journal of Biological Chemistry</i> , 2008, 283, 20443-20453.	1.6	82

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37	CGI-58/ABHD5 is a coenzyme A-dependent lysophosphatidic acid acyltransferase. <i>Journal of Lipid Research</i> , 2010, 51, 709-719.	2.0	80
38	Mammalian Mg ²⁺ -independent Phosphatidate Phosphatase (PAP2) Displays Diacylglycerol Pyrophosphate Phosphatase Activity. <i>Journal of Biological Chemistry</i> , 1997, 272, 10361-10366.	1.6	79
39	Isolation and Characterization of the <i>Saccharomyces cerevisiae</i> EK11 Gene Encoding Ethanolamine Kinase. <i>Journal of Biological Chemistry</i> , 1999, 274, 14857-14866.	1.6	79
40	The <i>Saccharomyces cerevisiae</i> LSB6 Gene Encodes Phosphatidylinositol 4-Kinase Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 47709-47718.	1.6	75
41	Regulation of Phospholipid Synthesis in <i>Saccharomyces cerevisiae</i> by Zinc. <i>Journal of Biological Chemistry</i> , 2004, 279, 21976-21983.	1.6	75
42	CTP synthetase and its role in phospholipid synthesis in the yeast <i>Saccharomyces cerevisiae</i> . <i>Progress in Lipid Research</i> , 2008, 47, 333-339.	5.3	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. <i>Journal of Biological Chemistry</i> , 2012, 287, 33364-33376.	1.6	70
44	[54] Phosphatidate phosphatase from yeast. <i>Methods in Enzymology</i> , 1991, 197, 548-553.	0.4	67
45	The CWH8 Gene Encodes a Dolichyl Pyrophosphate Phosphatase with a Luminally Oriented Active Site in the Endoplasmic Reticulum of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 41455-41464.	1.6	65
46	DGK1-encoded Diacylglycerol Kinase Activity Is Required for Phospholipid Synthesis during Growth Resumption from Stationary Phase in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 1464-1474.	1.6	63
47	Regulation of Phospholipid Biosynthesis in <i>Saccharomyces cerevisiae</i> by CTP. <i>Journal of Biological Chemistry</i> , 1995, 270, 18774-18780.	1.6	62
48	Phosphorylation of CTP Synthetase from <i>Saccharomyces cerevisiae</i> by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 1995, 270, 14983-14988.	1.6	60
49	Identification of the Maize Amyloplast Stromal 112-kD Protein as a Plastidic Starch Phosphorylase. <i>Plant Physiology</i> , 2001, 125, 351-359.	2.3	60
50	CGI-58/ABHD5 is phosphorylated on Ser239 by protein kinase A: control of subcellular localization. <i>Journal of Lipid Research</i> , 2015, 56, 109-121.	2.0	60
51	Regulation of Profilin Localization in <i>Saccharomyces cerevisiae</i> by Phosphoinositide Metabolism. <i>Journal of Biological Chemistry</i> , 1995, 270, 27045-27050.	1.6	59
52	Use of synthetic lethal mutants to clone and characterize a novel CTP synthetase gene in <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1994, 242, 431-439.	2.4	58
53	Proinflammatory Macrophage-activating Properties of the Novel Phospholipid Diacylglycerol Pyrophosphate. <i>Journal of Biological Chemistry</i> , 1999, 274, 522-526.	1.6	58
54	Regulation of the <i>Saccharomyces cerevisiae</i> DPP1-encoded Diacylglycerol Pyrophosphate Phosphatase by Zinc. <i>Journal of Biological Chemistry</i> , 2001, 276, 10126-10133.	1.6	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 <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 35781-35792.	1.6	57
56	Solubilization of microsomal-associated phosphatidylserine synthase and phosphatidylinositol synthase from <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 1981, 27, 1140-1149.	0.8	55
57	Regulation of Phosphatidate Phosphatase Activity from the Yeast <i>Saccharomyces cerevisiae</i> by Phospholipids. <i>Biochemistry</i> , 1996, 35, 3790-3796.	1.2	55
58	Phosphorylation Regulates the Ubiquitin-independent Degradation of Yeast Pah1 Phosphatidate Phosphatase by the 20S Proteasome. <i>Journal of Biological Chemistry</i> , 2015, 290, 11467-11478.	1.6	55
59	Regulation of phospholipid synthesis in <i>Saccharomyces cerevisiae</i> by zinc depletion. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 322-330.	1.2	53
60	Fat-regulating phosphatidic acid phosphatase: a review of its roles and regulation in lipid homeostasis. <i>Journal of Lipid Research</i> , 2019, 60, 2-6.	2.0	53
61	Phospholipid synthesis in yeast: regulation by phosphorylation. <i>Biochemistry and Cell Biology</i> , 2004, 82, 62-70.	0.9	52
62	Expression, Purification, and Characterization of Choline Kinase, Product of the CKI Gene from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 6844-6852.	1.6	51
63	Phosphorylation of the Yeast Phospholipid Synthesis Regulatory Protein Opi1p by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2001, 276, 29915-29923.	1.6	50
64	Combination of lipid metabolism alterations and their sensitivity to inflammatory cytokines in human lipin-1-deficient myoblasts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 2103-2114.	1.8	50
65	Regulation of eukaryotic phospholipid metabolism 1. <i>FASEB Journal</i> , 1991, 5, 2258-2266.	0.2	49
66	Phosphorylation and Regulation of CTP Synthetase from <i>Saccharomyces cerevisiae</i> by Protein Kinase A. <i>Journal of Biological Chemistry</i> , 1996, 271, 28777-28783.	1.6	49
67	Nucleotide-dependent Tetramerization of CTP Synthetase from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 15954-15960.	1.6	49
68	The <i>Saccharomyces cerevisiae</i> Actin Patch Protein App1p Is a Phosphatidate Phosphatase Enzyme. <i>Journal of Biological Chemistry</i> , 2012, 287, 40186-40196.	1.6	48
69	Yeast Nem1-Spo7 Protein Phosphatase Activity on Pah1 Phosphatidate Phosphatase Is Specific for the Pho85-Pho80 Protein Kinase Phosphorylation Sites. <i>Journal of Biological Chemistry</i> , 2014, 289, 34699-34708.	1.6	48
70	Altered Lipid Synthesis by Lack of Yeast Pah1 Phosphatidate Phosphatase Reduces Chronological Life Span. <i>Journal of Biological Chemistry</i> , 2015, 290, 25382-25394.	1.6	47
71	Purification and Characterization of CTP Synthetase, the Product of the URA7 Gene in <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 1994, 33, 10785-10793.	1.2	46
72	Fat storage-inducing transmembrane (FIT or FITM) proteins are related to lipid phosphatase/phosphotransferase enzymes. <i>Microbial Cell</i> , 2018, 5, 88-103.	1.4	46

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73	Differential Biochemical Regulation of the URA7- and URA8-encoded CTP Synthetases from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 24982-24988.	1.6	45
74	MODIFICATION OF THE AGRANOFF-SUOMI METHOD FOR THE SYNTHESIS OF CDP-DIACYLGLYCEROL. <i>Journal of Food Biochemistry</i> , 1980, 4, 53-59.	1.2	44
75	[36] Phosphatidylinositol synthase from yeast. <i>Methods in Enzymology</i> , 1992, 209, 305-312.	0.4	44
76	Regulation of Yeast CTP Synthetase Activity by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 1996, 271, 11113-11119.	1.6	44
77	Mutagenesis of the Phosphatase Sequence Motif in Diacylglycerol Pyrophosphate Phosphatase from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 1999, 38, 14606-14613.	1.2	44
78	Phosphorylation of CTP Synthetase on Ser36, Ser330, Ser354, and Ser454 Regulates the Levels of CTP and Phosphatidylcholine Synthesis in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 20785-20794.	1.6	44
79	Lipin-1 ³ isoform is a novel lipid droplet-associated protein highly expressed in the brain. <i>FEBS Letters</i> , 2011, 585, 1979-1984.	1.3	44
80	Cross-talk Phosphorylations by Protein Kinase C and Pho85p-Pho80p Protein Kinase Regulate Pah1p Phosphatidate Phosphatase Abundance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 18818-18830.	1.6	44
81	Regulation of phosphatidylethanolamine methyltransferase and phospholipid methyltransferase by phospholipid precursors in <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1991, 1090, 326-332.	2.4	43
82	Phosphorylation of the Yeast Phospholipid Synthesis Regulatory Protein Opi1p by Protein Kinase A. <i>Journal of Biological Chemistry</i> , 2003, 278, 20673-20680.	1.6	42
83	Phosphatidate Phosphatase Plays Role in Zinc-mediated Regulation of Phospholipid Synthesis in Yeast. <i>Journal of Biological Chemistry</i> , 2012, 287, 968-977.	1.6	42
84	Identification of Ser424 as the Protein Kinase A Phosphorylation Site in CTP Synthetase from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 1999, 38, 8839-8848.	1.2	41
85	Distinct Roles of the Phosphatidate Phosphatases Lipin 1 and 2 during Adipogenesis and Lipid Droplet Biogenesis in 3T3-L1 Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 34502-34513.	1.6	41
86	Phosphorylation of Yeast Pah1 Phosphatidate Phosphatase by Casein Kinase II Regulates Its Function in Lipid Metabolism. <i>Journal of Biological Chemistry</i> , 2016, 291, 9974-9990.	1.6	41
87	Cell Autonomous Lipin 1 Function Is Essential for Development and Maintenance of White and Brown Adipose Tissue. <i>Molecular and Cellular Biology</i> , 2012, 32, 4794-4810.	1.1	40
88	Enzymological properties of the LPP1-encoded lipid phosphatase from <i>Saccharomyces cerevisiae</i> 11This work was supported in part by United States Public Health Service, National Institutes of Health Grant GM-28140.. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1484, 71-82.	1.2	39
89	Phosphorylation of <i>Saccharomyces cerevisiae</i> Choline Kinase on Ser30 and Ser85 by Protein Kinase A Regulates Phosphatidylcholine Synthesis by the CDP-choline Pathway. <i>Journal of Biological Chemistry</i> , 2002, 277, 34978-34986.	1.6	39
90	Expression of Human CTP Synthetase in <i>Saccharomyces cerevisiae</i> Reveals Phosphorylation by Protein Kinase A. <i>Journal of Biological Chemistry</i> , 2005, 280, 38328-38336.	1.6	39

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91	Phosphatidate-mediated regulation of lipid synthesis at the nuclear/endoplasmic reticulum membrane. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158434.	1.2	39
92	A WASp-binding type II phosphatidylinositol 4-kinase required for actin polymerization-driven endosome motility. <i>Journal of Cell Biology</i> , 2005, 171, 133-142.	2.3	38
93	Yeast Pah1p Phosphatidate Phosphatase Is Regulated by Proteasome-mediated Degradation. <i>Journal of Biological Chemistry</i> , 2014, 289, 9811-9822.	1.6	38
94	Phosphorylation of <i>Saccharomyces cerevisiae</i> CTP Synthetase at Ser424 by Protein Kinases A and C Regulates Phosphatidylcholine Synthesis by the CDP-choline Pathway. <i>Journal of Biological Chemistry</i> , 2003, 278, 23610-23616.	1.6	37
95	Regulation of the PIS1-encoded Phosphatidylinositol Synthase in <i>Saccharomyces cerevisiae</i> by Zinc. <i>Journal of Biological Chemistry</i> , 2005, 280, 29017-29024.	1.6	37
96	Phosphorylation and Regulation of Choline Kinase from <i>Saccharomyces cerevisiae</i> by Protein Kinase A. <i>Journal of Biological Chemistry</i> , 1999, 274, 9531-9538.	1.6	36
97	Yeast PAH1-encoded phosphatidate phosphatase controls the expression of CHO1-encoded phosphatidylserine synthase for membrane phospholipid synthesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 13230-13242.	1.6	36
98	Phosphorylation of Yeast Phosphatidylserine Synthase by Protein Kinase A. <i>Journal of Biological Chemistry</i> , 2010, 285, 11526-11536.	1.6	35
99	Phosphatidylglycerophosphate synthase activity in <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 1983, 29, 1452-1457.	0.8	34
100	Purification and Characterization of the Maize Amyloplast Stromal 112-kDa Starch Phosphorylase. <i>Archives of Biochemistry and Biophysics</i> , 2001, 388, 155-164.	1.4	33
101	Vacuole Membrane Topography of the DPP1-encoded Diacylglycerol Pyrophosphate Phosphatase Catalytic Site from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 5338-5345.	1.6	33
102	Phosphorylation of Human CTP Synthetase 1 by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2007, 282, 17613-17622.	1.6	33
103	Increased ATPase Activity Is Responsible for Acid Sensitivity of Nisin-Resistant <i>Listeria monocytogenes</i> ATCC 700302. <i>Applied and Environmental Microbiology</i> , 2004, 70, 2717-2721.	1.4	32
104	[35] Phosphatidylserine synthase from yeast. <i>Methods in Enzymology</i> , 1992, 209, 298-305.	0.4	31
105	A Hypomorphic Mutation in <i>Lpin1</i> Induces Progressively Improving Neuropathy and Lipodystrophy in the Rat. <i>Journal of Biological Chemistry</i> , 2011, 286, 26781-26793.	1.6	30
106	Phosphorylation of the Yeast Choline Kinase by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2005, 280, 26105-26112.	1.6	27
107	[28] CDPdiacylglycerol synthase from yeast. <i>Methods in Enzymology</i> , 1992, 209, 242-247.	0.4	26
108	Regulation of the Yeast DPP1-encoded Diacylglycerol Pyrophosphate Phosphatase by Transcription Factor <i>Gis1p</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 31495-31503.	1.6	26

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109	Casein Kinase II Phosphorylation of the Yeast Phospholipid Synthesis Transcription Factor Opi1p. <i>Journal of Biological Chemistry</i> , 2006, 281, 4754-4761.	1.6	26
110	Fluorescence spectroscopy measures yeast PAH1-encoded phosphatidate phosphatase interaction with liposome membranes. <i>Journal of Lipid Research</i> , 2012, 53, 522-528.	2.0	26
111	Regulation of the DPP1-encoded Diacylglycerol Pyrophosphate (DGPP) Phosphatase by Inositol and Growth Phase. <i>Journal of Biological Chemistry</i> , 2000, 275, 40887-40896.	1.6	25
112	Comparative gene identification 58 kDa hydrolase domain 5 lacks lysophosphatidic acid acyltransferase activity. <i>Journal of Lipid Research</i> , 2014, 55, 1750-1761.	2.0	25
113	Redundant roles of the phosphatidate phosphatase family in triacylglycerol synthesis in human adipocytes. <i>Diabetologia</i> , 2016, 59, 1985-1994.	2.9	25
114	Discoveries of the phosphatidate phosphatase genes in yeast published in the <i>Journal of Biological Chemistry</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 1681-1689.	1.6	24
115	Regulation of the <i>Saccharomyces cerevisiae</i> Eki1-encoded Ethanolamine Kinase by Zinc Depletion. <i>Journal of Biological Chemistry</i> , 2006, 281, 13110-13116.	1.6	22
116	Yeast phosphatidic acid phosphatase Pah1 hops and scoots along the membrane phospholipid bilayer. <i>Journal of Lipid Research</i> , 2020, 61, 1232-1243.	2.0	21
117	Phosphorylation of Human CTP Synthetase 1 by Protein Kinase A. <i>Journal of Biological Chemistry</i> , 2007, 282, 5367-5377.	1.6	20
118	Regulation of the <i>Saccharomyces cerevisiae</i> Cki1-encoded Choline Kinase by Zinc Depletion. <i>Journal of Biological Chemistry</i> , 2008, 283, 10079-10088.	1.6	20
119	Characterization of the Yeast Actin Patch Protein App1p Phosphatidate Phosphatase. <i>Journal of Biological Chemistry</i> , 2013, 288, 6427-6437.	1.6	20
120	Phosphorylation of Dgk1 Diacylglycerol Kinase by Casein Kinase II Regulates Phosphatidic Acid Production in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 26455-26467.	1.6	20
121	Phosphorylation of lipid metabolic enzymes by yeast protein kinase C requires phosphatidylserine and diacylglycerol. <i>Journal of Lipid Research</i> , 2017, 58, 742-751.	2.0	20
122	Host Pah1p phosphatidate phosphatase limits viral replication by regulating phospholipid synthesis. <i>PLoS Pathogens</i> , 2018, 14, e1006988.	2.1	20
123	Regulation of Phospholipid Synthesis in the Yeast <i>cki1^Δ eki1^Δ</i> Mutant Defective in the Kennedy Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 12081-12087.	1.6	18
124	Molecular characterization of phosphorylcholine expression on the lipooligosaccharide of <i>Histophilus somni</i> . <i>Microbial Pathogenesis</i> , 2009, 47, 223-230.	1.3	18
125	A conserved tryptophan within the WRDPLVDID domain of yeast Pah1 phosphatidate phosphatase is required for its in vivo function in lipid metabolism. <i>Journal of Biological Chemistry</i> , 2017, 292, 19580-19589.	1.6	17
126	Assaying Lipid Phosphate Phosphatase Activities. , 2004, 284, 209-216.		16

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127	Colorimetric determination of pure Mg ²⁺ -dependent phosphatidate phosphatase activity. <i>Analytical Biochemistry</i> , 2008, 373, 392-394.	1.1	16
128	Phosphatidate phosphatase regulates membrane phospholipid synthesis via phosphatidylserine synthase. <i>Advances in Biological Regulation</i> , 2018, 67, 49-58.	1.4	16
129	Protein kinase A phosphorylates the Nem1-Spo7 protein phosphatase complex that regulates the phosphorylation state of the phosphatidate phosphatase Pah1 in yeast. <i>Journal of Biological Chemistry</i> , 2018, 293, 15801-15814.	1.6	16
130	Solubilization of Microsomal-Associated Phosphatidylinositol Synthase from Germinating Soybeans. <i>Plant Physiology</i> , 1982, 69, 146-149.	2.3	15
131	Metabolism of diacylglycerol pyrophosphate by suspension cultured <i>Catharanthus roseus</i> cells. <i>Plant Science</i> , 1997, 128, 1-10.	1.7	15
132	Regulation of the Yeast Ekl1-encoded Ethanolamine Kinase by Inositol and Choline. <i>Journal of Biological Chemistry</i> , 2004, 279, 35353-35359.	1.6	15
133	The Yeast Anaerobic Response Element AR1b Regulates Aerobic Antifungal Drug-dependent Sterol Gene Expression. <i>Journal of Biological Chemistry</i> , 2013, 288, 35466-35477.	1.6	15
134	Yck1 casein kinase I regulates the activity and phosphorylation of Pah1 phosphatidate phosphatase from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 18256-18268.	1.6	14
135	Phosphatidylserine synthesis is essential for viability of the human fungal pathogen <i>Cryptococcus neoformans</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 2329-2339.	1.6	14
136	The Spo7 sequence LLI is required for Nem1-Spo7/Pah1 phosphatase cascade function in yeast lipid metabolism. <i>Journal of Biological Chemistry</i> , 2020, 295, 11473-11485.	1.6	13
137	Thematic Minireview Series on the Lipid Droplet, a Dynamic Organelle of Biomedical and Commercial Importance. <i>Journal of Biological Chemistry</i> , 2012, 287, 2272.	1.6	12
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