

Miriam L Greenberg

List of Publications by Year in descending order

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107
papers

6,630
citations

66343

42
h-index

64796

79
g-index

111
all docs

111
docs citations

111
times ranked

4968
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiolipin function in the yeast <i>S. cerevisiae</i> and the lessons learned for Barth syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2022, 45, 60-71.	3.6	8
2	NAD supplementation improves mitochondrial performance of cardiolipin mutants. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159094.	2.4	6
3	Inositol depletion regulates phospholipid metabolism and activates stress signaling in HEK293T cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159137.	2.4	7
4	The paradoxical role of inositol in cancer: a consequence of the metabolic state of a tumor. <i>Cancer and Metastasis Reviews</i> , 2022, 41, 249-254.	5.9	5
5	Current Knowledge on the Role of Cardiolipin Remodeling in the Context of Lipid Oxidation and Barth Syndrome. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	3.5	2
6	The Role of the UPR Pathway in the Pathophysiology and Treatment of Bipolar Disorder. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 735622.	3.7	5
7	Valproate activates the Snf1 kinase in <i>Saccharomyces cerevisiae</i> by decreasing the cytosolic pH. <i>Journal of Biological Chemistry</i> , 2021, 297, 101110.	3.4	7
8	A myo-inositol bioassay utilizing an auxotrophic strain of <i>S. cerevisiae</i> . <i>Journal of Microbiological Methods</i> , 2021, 189, 106300.	1.6	3
9	Lipids Biosynthesis, Remodeling, and Turnover of Cardiolipin. , 2021, , 684-694.		1
10	Studying Lipid-Related Pathophysiology Using the Yeast Model. <i>Frontiers in Physiology</i> , 2021, 12, 768411.	2.8	3
11	Loss of the mitochondrial lipid cardiolipin leads to decreased glutathione synthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158542.	2.4	4
12	Cardiolipin-deficient cells have decreased levels of the iron-sulfur biogenesis protein frataxin. <i>Journal of Biological Chemistry</i> , 2020, 295, 11928-11937.	3.4	19
13	Valproate inhibits mitochondrial bioenergetics and increases glycolysis in <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2020, 10, 11785.	3.3	14
14	Cardiolipin-induced activation of pyruvate dehydrogenase links mitochondrial lipid biosynthesis to TCA cycle function. <i>Journal of Biological Chemistry</i> , 2019, 294, 11568-11578.	3.4	31
15	Assembly of the complexes of oxidative phosphorylation triggers the remodeling of cardiolipin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11235-11240.	7.1	60
16	Cardiolipin-deficient cells depend on anaplerotic pathways to ameliorate defective TCA cycle function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 654-661.	2.4	14
17	Loss of tafazzin results in decreased myoblast differentiation in C2C12 cells: A myoblast model of Barth syndrome and cardiolipin deficiency. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 857-865.	2.4	32
18	Regulation of Inositol Biosynthesis: Balancing Health and Pathophysiology. <i>Handbook of Experimental Pharmacology</i> , 2018, 259, 221-260.	1.8	12

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19	Valproate inhibits glucose-stimulated insulin secretion in beta cells. <i>Histochemistry and Cell Biology</i> , 2018, 150, 395-401.	1.7	4
20	Genetic re-engineering of polyunsaturated phospholipid profile of <i>Saccharomyces cerevisiae</i> identifies a novel role for Cld1 in mitigating the effects of cardiolipin peroxidation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1354-1368.	2.4	16
21	Valproate Prevents a Cytosolic vH + ATPase Subunit Insertion on Insulin Granule Membrane and Compromises Insulin Release in Min6 Cells. <i>FASEB Journal</i> , 2018, 32, 1b191.	0.5	0
22	Inositol Depletion Induced by Acute Treatment of the Bipolar Disorder Drug Valproate Increases Levels of Phytosphingosine. <i>Journal of Biological Chemistry</i> , 2017, 292, 4953-4959.	3.4	5
23	Cardiolipin Regulates Mitophagy through the Protein Kinase C Pathway. <i>Journal of Biological Chemistry</i> , 2017, 292, 2916-2923.	3.4	64
24	Lipidomics Characterization of Biosynthetic and Remodeling Pathways of Cardiolipins in Genetically and Nutritionally Manipulated Yeast Cells. <i>ACS Chemical Biology</i> , 2017, 12, 265-281.	3.4	25
25	Loss of Cardiolipin Leads to Perturbation of Acetyl-CoA Synthesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 1092-1102.	3.4	29
26	Orchestrating phospholipid biosynthesis: Phosphatidic acid conducts and Opi1p performs. <i>Journal of Biological Chemistry</i> , 2017, 292, 18729-18730.	3.4	7
27	Biosynthesis, remodeling and turnover of mitochondrial cardiolipin. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 3-7.	2.4	150
28	Barth syndrome: A life-threatening disorder caused by abnormal cardiolipin remodeling. <i>Journal of Rare Diseases Research & Treatment</i> , 2017, 2, 58-62.	1.1	9
29	MCK1 is a novel regulator of myo-inositol phosphate synthase (MIPS) that is required for inhibition of inositol synthesis by the mood stabilizer valproate. <i>PLoS ONE</i> , 2017, 12, e0182534.	2.5	17
30	Get1p and Get2p are required for maintenance of mitochondrial morphology and normal cardiolipin levels. <i>FEMS Yeast Research</i> , 2016, 16, fow019.	2.3	5
31	Inositol depletion, GSK3 inhibition and bipolar disorder. <i>Future Neurology</i> , 2016, 11, 135-148.	0.5	35
32	Inositol Hexakisphosphate Kinase 1 (IP6K1) Regulates Inositol Synthesis in Mammalian Cells*. <i>Journal of Biological Chemistry</i> , 2016, 291, 10437-10444.	3.4	28
33	Valproate Induces the Unfolded Protein Response by Increasing Ceramide Levels. <i>Journal of Biological Chemistry</i> , 2016, 291, 22253-22261.	3.4	20
34	Cardiolipin remodeling: a regulatory hub for modulating cardiolipin metabolism and function. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 113-123.	2.3	77
35	The Role of Cardiolipin in Cardiovascular Health. <i>BioMed Research International</i> , 2015, 2015, 1-12.	1.9	67
36	Perturbation of the Vacuolar ATPase. <i>Journal of Biological Chemistry</i> , 2015, 290, 27460-27472.	3.4	17

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37	Inositol synthesis regulates the activation of GSK β in neuronal cells. Journal of Neurochemistry, 2015, 133, 273-283.	3.9	17
38	Deletion of the Cardiolipin-specific Phospholipase Cld1 Rescues Growth and Life Span Defects in the Tafazzin Mutant. Journal of Biological Chemistry, 2014, 289, 3114-3125.	3.4	55
39	Harnessing the power of yeast to elucidate the role of sphingolipids in metabolic and signaling processes pertinent to psychiatric disorders. Clinical Lipidology, 2014, 9, 533-551.	0.4	1
40	The functions of cardiolipin in cellular metabolism—potential modifiers of the Barth syndrome phenotype. Chemistry and Physics of Lipids, 2014, 179, 49-56.	3.2	38
41	VPA inhibits myo-inositol phosphate synthase activity by inhibition of Gsk3 (LB150). FASEB Journal, 2014, 28, LB150.	0.5	0
42	Phosphorylation regulates myo-inositol 3-phosphate synthase: A novel regulatory mechanism of inositol biosynthesis (LB190). FASEB Journal, 2014, 28, LB190.	0.5	0
43	Loss of Cardiolipin Leads to Perturbation of Mitochondrial and Cellular Iron Homeostasis. Journal of Biological Chemistry, 2013, 288, 1696-1705.	3.4	68
44	Regulation of Inositol Metabolism Is Fine-tuned by Inositol Pyrophosphates in <i>Saccharomyces cerevisiae</i> *. Journal of Biological Chemistry, 2013, 288, 24898-24908.	3.4	42
45	Phosphorylation Regulates myo-Inositol-3-phosphate Synthase. Journal of Biological Chemistry, 2013, 288, 26822-26833.	3.4	37
46	The antiepileptic drug valproic acid and other medium-chain fatty acids acutely reduce phosphoinositide levels independently of inositol in <i>Dictyostelium</i> . DMM Disease Models and Mechanisms, 2012, 5, 115-124.	2.4	68
47	Probing myo-inositol 1-phosphate synthase with multisubstrate adducts. Organic and Biomolecular Chemistry, 2012, 10, 9601.	2.8	5
48	Cardiolipin and Mitochondrial Phosphatidylethanolamine Have Overlapping Functions in Mitochondrial Fusion in <i>Saccharomyces cerevisiae</i> . Journal of Biological Chemistry, 2012, 287, 17589-17597.	3.4	165
49	Lipidomics of intact mitochondria by MALDI-TOF/MS. Journal of Lipid Research, 2012, 53, 1417-1425.	4.2	62
50	Loss of Mitochondrial DNA in the Yeast Cardiolipin Synthase <i>crd1</i> Mutant Leads to Up-regulation of the Protein Kinase Swe1p That Regulates the G2/M Transition. Journal of Biological Chemistry, 2010, 285, 10397-10407.	3.4	35
51	Loss of Cardiolipin Leads to Longevity Defects That Are Alleviated by Alterations in Stress Response Signaling. Journal of Biological Chemistry, 2009, 284, 18106-18114.	3.4	25
52	Mitochondrial membrane biogenesis: phospholipids and proteins go hand in hand. Journal of Cell Biology, 2009, 184, 469-472.	5.2	86
53	Mitochondrial Cardiolipin Involved in Outer-Membrane Protein Biogenesis: Implications for Barth Syndrome. Current Biology, 2009, 19, 2133-2139.	3.9	204
54	Cellular functions of cardiolipin in yeast. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 212-218.	4.1	126

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55	Ethylbutyrate, a valproate-like compound, exhibits inositol-depleting effects – A potential mood-stabilizing drug. <i>Life Sciences</i> , 2009, 84, 38-44.	4.3	5
56	Yeast bioassay for identification of inositol depleting compounds. <i>World Journal of Biological Psychiatry</i> , 2009, 10, 893-899.	2.6	3
57	Cellular consequences of inositol depletion. <i>Biochemical Society Transactions</i> , 2009, 37, 1099-1103.	3.4	47
58	Loss of tafazzin in yeast leads to increased oxidative stress during respiratory growth. <i>Molecular Microbiology</i> , 2008, 68, 1061-1072.	2.5	80
59	Cardiolipin Mediates Cross-Talk between Mitochondria and the Vacuole. <i>Molecular Biology of the Cell</i> , 2008, 19, 5047-5058.	2.1	65
60	Inositol depletion: a good or bad outcome of valproate treatment?. <i>Future Neurology</i> , 2008, 3, 275-286.	0.5	5
61	Up-regulation of the Cell Integrity Pathway in <i>Saccharomyces cerevisiae</i> Suppresses Temperature Sensitivity of the pgs1 ^Δ Mutant. <i>Journal of Biological Chemistry</i> , 2007, 282, 15946-15953.	3.4	40
62	Anticonvulsant efficacy of valproate-like carboxylic acids: a potential target for anti-bipolar therapy. <i>Bipolar Disorders</i> , 2007, 9, 197-205.	1.9	1
63	Glycogen synthase kinase-3 is required for optimal de novo synthesis of inositol. <i>Molecular Microbiology</i> , 2007, 63, 1248-1258.	2.5	28
64	Inositol Phosphates and Phosphoinositides in Health and Disease. , 2006, 39, 265-292.		42
65	Separation of yeast phospholipids using one-dimensional thin-layer chromatography. <i>Analytical Biochemistry</i> , 2005, 338, 162-164.	2.4	87
66	Binding of 10-N-nonyl acridine orange to cardiolipin-deficient yeast cells: Implications for assay of cardiolipin. <i>Analytical Biochemistry</i> , 2005, 343, 350-352.	2.4	39
67	Molecular symmetry in mitochondrial cardiolipins. <i>Chemistry and Physics of Lipids</i> , 2005, 138, 38-49.	3.2	255
68	Genetic Perturbation of Glycolysis Results in Inhibition of de Novo Inositol Biosynthesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 41805-41810.	3.4	31
69	Synthetic Lethal Interaction of the Mitochondrial Phosphatidylethanolamine and Cardiolipin Biosynthetic Pathways in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 35410-35416.	3.4	132
70	Loss of Function of KRE5 Suppresses Temperature Sensitivity of Mutants Lacking Mitochondrial Anionic Lipids. <i>Molecular Biology of the Cell</i> , 2005, 16, 665-675.	2.1	59
71	The Human TAZ Gene Complements Mitochondrial Dysfunction in the Yeast taz1 ^Δ Mutant. <i>Journal of Biological Chemistry</i> , 2004, 279, 44394-44399.	3.4	96
72	Cardiolipin Biosynthesis and Mitochondrial Respiratory Chain Function Are Interdependent. <i>Journal of Biological Chemistry</i> , 2004, 279, 42612-42618.	3.4	124

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73	Absence of Cardiolipin Results in Temperature Sensitivity, Respiratory Defects, and Mitochondrial DNA Instability Independent of pet56. <i>Journal of Biological Chemistry</i> , 2004, 279, 32294-32300.	3.4	89
74	Human 1-D-myo-Inositol-3-phosphate Synthase Is Functional in Yeast. <i>Journal of Biological Chemistry</i> , 2004, 279, 21759-21765.	3.4	61
75	Post-translational regulation of phosphatidylglycerolphosphate synthase in response to inositol. <i>Molecular Microbiology</i> , 2004, 53, 1243-1249.	2.5	35
76	1D-myo-inositol 3-phosphate synthase: conservation, regulation, and putative target of mood stabilizers. <i>Clinical Neuroscience Research</i> , 2004, 4, 181-187.	0.8	17
77	Valproate decreases inositol biosynthesis. <i>Biological Psychiatry</i> , 2004, 56, 868-874.	1.3	106
78	Valproate disrupts regulation of inositol responsive genes and alters regulation of phospholipid biosynthesis. <i>Molecular Microbiology</i> , 2003, 49, 1595-1604.	2.5	42
79	Aberrant cardiolipin metabolism in the yeast taz1 mutant: a model for Barth syndrome. <i>Molecular Microbiology</i> , 2003, 51, 149-158.	2.5	186
80	Lithium and valproate decrease the membrane phosphatidylinositol/phosphatidylcholine ratio. <i>Molecular Microbiology</i> , 2003, 47, 373-381.	2.5	20
81	The effect of lithium on expression of genes for inositol biosynthetic enzymes in mouse hippocampus; a comparison with the yeast model. <i>Molecular Brain Research</i> , 2003, 115, 104-110.	2.3	33
82	Cardiolipin Stabilizes Respiratory Chain Supercomplexes. <i>Journal of Biological Chemistry</i> , 2003, 278, 52873-52880.	3.4	701
83	Regulation of Phosphatidylglycerophosphate Synthase by Inositol in <i>Saccharomyces cerevisiae</i> Is Not at the Level of PGS1 mRNA Abundance. <i>Journal of Biological Chemistry</i> , 2003, 278, 33978-33984.	3.4	31
84	Cardiolipin prevents rate-dependent uncoupling and provides osmotic stability in yeast mitochondria. <i>Biochemical Journal</i> , 2002, 364, 317-322.	3.7	126
85	Myo-Inositol-1-phosphate (MIP) synthase: a possible new target for antibipolar drugs. <i>Bipolar Disorders</i> , 2002, 4, 15-20.	1.9	39
86	Expression of yeast INM1 encoding inositol monophosphatase is regulated by inositol, carbon source and growth stage and is decreased by lithium and valproate. <i>Molecular Microbiology</i> , 2002, 36, 651-661.	2.5	65
87	Expression of yeast INM1 encoding inositol monophosphatase is regulated by inositol, carbon source and growth stage and is decreased by lithium and valproate. <i>Molecular Microbiology</i> , 2002, 43, 267-267.	2.5	0
88	Lithium and Valproate Decrease Inositol Mass and Increase Expression of the Yeast INO1 and INO2 Genes for Inositol Biosynthesis. <i>Journal of Biological Chemistry</i> , 2001, 276, 15466-15471.	3.4	108
89	Oxidative phosphorylation in cardiolipin-lacking yeast mitochondria. <i>Biochemical Journal</i> , 2000, 347, 687-691.	3.7	111
90	Oxidative phosphorylation in cardiolipin-lacking yeast mitochondria. <i>Biochemical Journal</i> , 2000, 347, 687.	3.7	46

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91	Absence of Cardiolipin in the <i>crd1</i> Null Mutant Results in Decreased Mitochondrial Membrane Potential and Reduced Mitochondrial Function. <i>Journal of Biological Chemistry</i> , 2000, 275, 22387-22394.	3.4	350
92	The biosynthesis and functional role of cardiolipin. <i>Progress in Lipid Research</i> , 2000, 39, 257-288.	11.6	707
93	Cardiolipin synthase expression is essential for growth at elevated temperature and is regulated by factors affecting mitochondrial development. <i>Molecular Microbiology</i> , 1999, 31, 373-379.	2.5	58
94	Enzymatic Synthesis of [3H]Cytidine 5'-Diphospho-1,2-diacyl-sn-glycerol. <i>Analytical Biochemistry</i> , 1998, 258, 48-52.	2.4	6
95	Cardiolipin Synthase Is Associated with a Large Complex in Yeast Mitochondria. <i>Journal of Biological Chemistry</i> , 1998, 273, 2402-2408.	3.4	27
96	Purification and Characterization of Phosphatidylglycerolphosphate Synthase from <i>Schizosaccharomyces pombe</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 4681-4688.	3.4	12
97	Cardiolipin synthase from yeast. <i>Lipids and Lipid Metabolism</i> , 1997, 1348, 201-206.	2.6	30
98	Regulation of inositol monophosphatase in <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 1997, 25, 541-546.	2.5	28
99	Cardiolipin is not essential for the growth of <i>Saccharomyces cerevisiae</i> on fermentable or non-fermentable carbon sources. <i>Molecular Microbiology</i> , 1997, 26, 481-491.	2.5	175
100	Kinetic analysis of cardiolipin synthase: A membrane enzyme with two glycerophospholipid substrates. <i>Lipids</i> , 1995, 30, 633-640.	1.7	15
101	Expression in yeast of an <i>Escherichia coli</i> gene encoding a phospholipid biosynthetic enzyme. <i>Gene</i> , 1994, 147, 111-114.	2.2	1
102	Anomalously slow mobility of fluorescent lipid probes in the plasma membrane of the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Membrane Biology</i> , 1993, 131, 115-127.	2.1	56
103	Characterization and regulation of phosphatidylglycerolphosphate phosphatase in <i>Saccharomyces cerevisiae</i> . <i>Lipids and Lipid Metabolism</i> , 1990, 1046, 144-150.	2.6	43
104	Biochemical characterization and regulation of cardiolipin synthase in <i>Saccharomyces cerevisiae</i> . <i>Lipids and Lipid Metabolism</i> , 1990, 1046, 214-222.	2.6	64
105	A new negative control gene for amino acid biosynthesis in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 1986, 10, 495-501.	1.7	10
106	Characterization of a yeast regulatory mutant constitutive for synthesis of inositol-1-phosphate synthase. <i>Molecular Genetics and Genomics</i> , 1982, 186, 157-163.	2.4	91
107	REGULATORY MUTATIONS OF INOSITOL BIOSYNTHESIS IN YEAST: ISOLATION OF INOSITOL-EXCRETING MUTANTS. <i>Genetics</i> , 1982, 100, 19-33.	2.9	155