

Kenneth Gable

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,434
citations

361413

20
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1928
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of small subunits of mammalian serine palmitoyltransferase that confer distinct acyl-CoA substrate specificities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8186-8191.	7.1	227
2	Metabolic Response to Iron Deficiency in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 14823-14833.	3.4	148
3	Members of the Arabidopsis FAE1-like 3-Ketoacyl-CoA Synthase Gene Family Substitute for the Elop Proteins of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 9018-9029.	3.4	119
4	Sphingolipids in the Root Play an Important Role in Regulating the Leaf Ionome in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2011, 23, 1061-1081.	6.6	111
5	Childhood amyotrophic lateral sclerosis caused by excess sphingolipid synthesis. <i>Nature Medicine</i> , 2021, 27, 1197-1204.	30.7	96
6	A Disease-causing Mutation in the Active Site of Serine Palmitoyltransferase Causes Catalytic Promiscuity. <i>Journal of Biological Chemistry</i> , 2010, 285, 22846-22852.	3.4	91
7	The ORMDL/Orms serine palmitoyltransferase (SPT) complex is directly regulated by ceramide: Reconstitution of SPT regulation in isolated membranes. <i>Journal of Biological Chemistry</i> , 2019, 294, 5146-5156.	3.4	81
8	Structural insights into the regulation of human serine palmitoyltransferase complexes. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 240-248.	8.2	65
9	Elevation of 20-carbon long chain bases due to a mutation in serine palmitoyltransferase small subunit b results in neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12962-12967.	7.1	61
10	Topological and Functional Characterization of the ssSPTs, Small Activating Subunits of Serine Palmitoyltransferase. <i>Journal of Biological Chemistry</i> , 2013, 288, 10144-10153.	3.4	58
11	Expression of a Novel Marine Viral Single-chain Serine Palmitoyltransferase and Construction of Yeast and Mammalian Single-chain Chimera. <i>Journal of Biological Chemistry</i> , 2006, 281, 39935-39942.	3.4	53
12	Functional characterization of the Arabidopsis thaliana orthologue of Tsc13p, the enoyl reductase of the yeast microsomal fatty acid elongating system. <i>Journal of Experimental Botany</i> , 2004, 55, 543-545.	4.8	52
13	Ectopic expression of ceramide synthase 2 in neurons suppresses neurodegeneration induced by ceramide synthase 1 deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5928-5933.	7.1	46
14	Expression of the ORMDLS, Modulators of Serine Palmitoyltransferase, Is Regulated by Sphingolipids in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 90-98.	3.4	43
15	Comparison of the rat microsomal Mg-ATPase of various tissues. <i>Archives of Biochemistry and Biophysics</i> , 1985, 243, 644-654.	3.0	36
16	The ORMs interact with transmembrane domain 1 of Lcb1 and regulate serine palmitoyltransferase oligomerization, activity and localization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 245-259.	2.4	30
17	A Signaling Lipid Associated with Alzheimer's Disease Promotes Mitochondrial Dysfunction. <i>Scientific Reports</i> , 2016, 6, 19332.	3.3	25
18	Regulation of Sphingolipid Biosynthesis by the Morphogenesis Checkpoint Kinase Swe1. <i>Journal of Biological Chemistry</i> , 2016, 291, 2524-2534.	3.4	25

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19	A Six-membrane-spanning Topology for Yeast and Arabidopsis Tsc13p, the Enoyl Reductases of the Microsomal Fatty Acid Elongating System. <i>Journal of Biological Chemistry</i> , 2007, 282, 19237-19246.	3.4	23
20	Tsc10p and FVT1: topologically distinct short-chain reductases required for long-chain base synthesis in yeast and mammals. <i>Journal of Lipid Research</i> , 2009, 50, 1630-1640.	4.2	22
21	Use of isotopically labeled substrates reveals kinetic differences between human and bacterial serine palmitoyltransferase. <i>Journal of Lipid Research</i> , 2019, 60, 953-962.	4.2	7
22	Activation and inhibition of the sarcoplasmic reticulum Ca ²⁺ channel by the polycationic dyes Hoechst 33342 and Hoechst 33258. <i>Journal of Membrane Biology</i> , 1993, 135, 109-18.	2.1	6
23	Effect of the general anesthetic halothane on the activity of the transverse tubule Ca ²⁺ -activated K ⁺ channel. <i>FEBS Letters</i> , 1993, 331, 207-210.	2.8	5
24	A Neurotoxic Glycerophosphocholine Impacts PtdIns-4, 5-Bisphosphate and TORC2 Signaling by Altering Ceramide Biosynthesis in Yeast. <i>PLoS Genetics</i> , 2014, 10, e1004010.	3.5	4
25	Yeast mating: Ceramide acyl chain length matters?. <i>Cell Cycle</i> , 2018, 17, 7-8.	2.6	0