

Gongshe Han

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,041
citations

623734

14
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of small subunits of mammalian serine palmitoyltransferase that confer distinct acyl-CoA substrate specificities. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8186-8191.	7.1	227
2	The Essential Nature of Sphingolipids in Plants as Revealed by the Functional Identification and Characterization of the Arabidopsis LCB1 Subunit of Serine Palmitoyltransferase. Plant Cell, 2007, 18, 3576-3593.	6.6	138
3	Loss of function mutations and inducible RNAi suppression of Arabidopsis <i>LCB2</i> genes reveal the critical role of sphingolipids in gametophytic and sporophytic cell viability. Plant Journal, 2008, 54, 284-298.	5.7	101
4	A Disease-causing Mutation in the Active Site of Serine Palmitoyltransferase Causes Catalytic Promiscuity. Journal of Biological Chemistry, 2010, 285, 22846-22852.	3.4	91
5	The <i>Saccharomyces cerevisiae</i> YBR159w Gene Encodes the 3-Ketoreductase of the Microsomal Fatty Acid Elongase. Journal of Biological Chemistry, 2002, 277, 35440-35449.	3.4	89
6	Structural insights into the regulation of human serine palmitoyltransferase complexes. Nature Structural and Molecular Biology, 2021, 28, 240-248.	8.2	65
7	Topological and Functional Characterization of the ssSPTs, Small Activating Subunits of Serine Palmitoyltransferase. Journal of Biological Chemistry, 2013, 288, 10144-10153.	3.4	58
8	The Topology of the Lcb1p Subunit of Yeast Serine Palmitoyltransferase. Journal of Biological Chemistry, 2004, 279, 53707-53716.	3.4	56
9	<i>Arabidopsis</i> 56 "Amino Acid Serine Palmitoyltransferase-Interacting Proteins Stimulate Sphingolipid Synthesis, Are Essential, and Affect Mycotoxin Sensitivity". Plant Cell, 2013, 25, 4627-4639.	6.6	54
10	Expression of a Novel Marine Viral Single-chain Serine Palmitoyltransferase and Construction of Yeast and Mammalian Single-chain Chimera. Journal of Biological Chemistry, 2006, 281, 39935-39942.	3.4	53
11	ORM Expression Alters Sphingolipid Homeostasis and Differentially Affects Ceramide Synthase Activities. Plant Physiology, 2016, 172, pp.00965.2016.	4.8	33
12	The ORMs interact with transmembrane domain 1 of Lcb1 and regulate serine palmitoyltransferase oligomerization, activity and localization. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 245-259.	2.4	30
13	Regulation of Sphingolipid Biosynthesis by the Morphogenesis Checkpoint Kinase Swe1. Journal of Biological Chemistry, 2016, 291, 2524-2534.	3.4	25
14	Unregulated Sphingolipid Biosynthesis in Gene-Edited Arabidopsis <i>ORM</i> Mutants Results in Nonviable Seeds with Strongly Reduced Oil Content. Plant Cell, 2020, 32, 2474-2490.	6.6	21
15	Yeast mating: Ceramide acyl chain length matters?. Cell Cycle, 2018, 17, 7-8.	2.6	0
16	To Grow or Die: Regulation of Plant Sphingolipid Metabolism. FASEB Journal, 2015, 29, 366.2.	0.5	0