Osamu Kuge

List of Publications by Year
in descending order

27 papers	1,444 citations	430442 18 h-index	552369 26 g-index
27 all docs	27 docs citations	27 times ranked	2070 citing authors

#	Article	IF	Citations
1	Drp1-dependent mitochondrial fission via MiD49/51 is essential for apoptotic cristae remodeling. Journal of Cell Biology, 2016, 212, 531-544.	2.3	195
2	A novel gene, Translin, encodes a recombination hotspot binding protein associated with chromosomal translocations. Nature Genetics, 1995, 10, 167-174.	9.4	190
3	Tam41 Is a CDP-Diacylglycerol Synthase Required for Cardiolipin Biosynthesis in Mitochondria. Cell Metabolism, 2013, 17, 709-718.	7.2	135
4	A Mammalian Homolog of the Yeast LCB1 Encodes a Component of Serine Palmitoyltransferase, the Enzyme Catalyzing the First Step in Sphingolipid Synthesis. Journal of Biological Chemistry, 1997, 272, 32108-32114.	1.6	132
5	The AAA⁺ ATPase ATAD3A Controls Mitochondrial Dynamics at the Interface of the Inner and Outer Membranes. Molecular and Cellular Biology, 2010, 30, 1984-1996.	1.1	124
6	Cloning of a Chinese Hamster Ovary (CHO) cDNA Encoding Phosphatidylserine Synthase (PSS) II, Overexpression of Which Suppresses the Phosphatidylserine Biosynthetic Defect of a PSS I-lacking Mutant of CHO-K1 Cells. Journal of Biological Chemistry, 1997, 272, 19133-19139.	1.6	73
7	Structural Basis of Mitochondrial Scaffolds by Prohibitin Complexes: Insight into a Role of the Coiled-Coil Region. IScience, 2019, 19, 1065-1078.	1.9	72
8	Phosphatidylserine transport by Ups2â€“Mdm35 in respiration-active mitochondria. Journal of Cell Biology, 2016, 214, 77-88.	2.3	67
9	Genetic Evidence That Phosphatidylserine Synthase II Catalyzes the Conversion of Phosphatidylethanolamine to Phosphatidylserine in Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 1998, 273, 17199-17205.	1.6	52
10	Post-translational processing of the phosphatidylserine decarboxylase gene product in Chinese hamster ovary cells. Biochemical Journal, 1996, 319, 33-38.	1.7	51
11	Porin Associates with Tom22 to Regulate the Mitochondrial Protein Gate Assembly. Molecular Cell, 2019, 73, 1044-1055.e8.	4.5	47
12	Purification and characterization of human phosphatidylserine synthases 1 and 2. Biochemical Journal, 2009, 418, 421-429.	1.7	43
13	Phospholipid methylation controls Atg32â€mediated mitophagy and Atg8 recycling. EMBO Journal, 2015, 34, 2703-2719.	3.5	39
14	FMP30 is required for the maintenance of a normal cardiolipin level and mitochondrial morphology in the absence of mitochondrial phosphatidylethanolamine synthesis. Molecular Microbiology, 2011, 80, 248-265.	1.2	34
15	Immunochemical identification of thepssAgene product as phosphatidylserine synthase I of Chinese hamster ovary cells. FEBS Letters, 1996, 395, 262-266.	1.3	32
16	Requirement of a specific group of sphingolipidâ€metabolizing enzyme for growth of yeast Saccharomyces cerevisiae under impaired metabolism of glycerophospholipids. Molecular Microbiology, 2010, 78, 395-413.	1.2	24
17	Purification of phosphatidylglycerophosphate synthase from Chinese hamster ovary cells. Biochemical Journal, 2001, 354, 9-15.	1.7	22
18	Porin proteins have critical functions in mitochondrial phospholipid metabolism in yeast. Journal of Biological Chemistry, 2018, 293, 17593-17605.	1.6	20

#	Article	IF	Citations
19	Functional analysis of Chinese hamster phosphatidylserine synthase 1 through systematic alanine mutagenesis. Biochemical Journal, 2004, 381, 853-859.	1.7	19
20	Cooperative function of Fmp30, Mdm31, and Mdm32 in Ups1-independent cardiolipin accumulation in the yeast Saccharomyces cerevisiae. Scientific Reports, 2017, 7, 16447.	1.6	19
21	Purification of phosphatidylglycerophosphate synthase from Chinese hamster ovary cells. Biochemical Journal, 2001, 354, 9.	1.7	17
22	Purification and Characterization of Chinese Hamster Phosphatidylserine Synthase 2. Journal of Biological Chemistry, 2003, 278, 42692-42698.	1.6	17
23	COX assembly factor ccdc56 regulates mitochondrial morphology by affecting mitochondrial recruitment of Drp1. FEBS Letters, 2015, 589, 3126-3132.	1.3	8
24	Topology of phosphatidylserine synthase 1 in the endoplasmic reticulum membrane. Protein Science, 2021, 30, 2346-2353.	3.1	8
25	VID22 is required for transcriptional activation of the PSD2 gene in the yeast Saccharomyces cerevisiae. Biochemical Journal, 2015, 472, 319-328.	1.7	3
26	Mitochondrial phosphatidylethanolamine synthesis affects mitochondrial energy metabolism and quiescence entry through attenuation of Snf1/AMPK signaling in yeast. FASEB Journal, 2022, 36, .	0.2	1
27	Fmp30, Mdm31, and Mdm32 Function in Ups1-Independent Cardiolipin Accumulation Under Low Phosphatidylethanolamine Conditions. Contact (Thousand Oaks (Ventura County, Calif)), 2018, 1, 251525641876404.	0.4	0