Motohide Murate

List of Publications by Year
in descending order

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24 papers	855 citations	516215 16 h-index	610482 24 g-index
24 all docs	24 docs citations	24 times ranked	1164 citing authors

#	Article	IF	Citations
1	Curvature-Dependent Recognition of Ethanolamine Phospholipids by Duramycin and Cinnamycin. Biophysical Journal, 2007, 93, 1608-1619.	0.2	121
2	Transbilayer lipid distribution in nano scale. Journal of Cell Science, 2015, 128, 1627-38.	1.2	95
3	Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. FASEB Journal, 2015, 29, 477-493.	0.2	76
4	Cholesterol Controls Lipid Endocytosis through Rab11. Molecular Biology of the Cell, 2007, 18, 2667-2677.	0.9	57
5	CARTS biogenesis requires VAPâ€“lipid transfer protein complexes functioning at the endoplasmic reticulumâ€“Golgi interface. Molecular Biology of the Cell, 2015, 26, 4686-4699.	0.9	51
6	Binding of a pleurotolysin ortholog from Pleurotus eryngii to sphingomyelin and cholesterol-rich membrane domains. Journal of Lipid Research, 2013, 54, 2933-2943.	2.0	49
7	Revisiting transbilayer distribution of lipids in the plasma membrane. Chemistry and Physics of Lipids, 2016, 194, 58-71.	1.5	47
8	Evaluation of aegerolysins as novel tools to detect and visualize ceramide phosphoethanolamine, a major sphingolipid in invertebrates. FASEB Journal, 2015, 29, 3920-3934.	0.2	46
9	d-threo-1-Phenyl-2-decanoylamino-3-morpholino-1-propanol Alters Cellular Cholesterol Homeostasis by Modulating the Endosome Lipid Domains. Biochemistry, 2006, 45, 4530-4541.	1.2	41
10	Phosphatidylglucoside Forms Specific Lipid Domains on the Outer Leaflet of the Plasma Membrane. Biochemistry, 2010, 49, 4732-4739.	1.2	37
11	A novel sphingomyelin/cholesterol domainâ€specific probe reveals the dynamics of the membrane domains during virus release and in Niemannâ€Pick type C. FASEB Journal, 2017, 31, 1301-1322.	0.2	34
12	Phospholipase CÎ²1 induces membrane tubulation and is involved in caveolae formation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7834-7839.	3.3	28
13	Probing phosphoethanolamine-containing lipids in membranes with duramycin/cinnamycin and aegerolysin proteins. Biochimie, 2016, 130, 81-90.	1.3	25
14	Extreme deformability of insect cell membranes is governed by phospholipid scrambling. Cell Reports, 2021, 35, 109219.	2.9	25
15	PMP2/FABP8 induces PI(4,5)P2-dependent transbilayer reorganization of sphingomyelin in the plasma membrane. Cell Reports, 2021, 37, 109935.	2.9	22
16	Acute accumulation of free cholesterol induces the degradation of perilipin 2 and Rab18-dependent fusion of ER and lipid droplets in cultured human hepatocytes. Molecular Biology of the Cell, 2016, 27, 3293-3304.	0.9	21
17	Protein probes to visualize sphingomyelin and ceramide phosphoethanolamine. Chemistry and Physics of Lipids, 2018, 216, 132-141.	1.5	20
18	Phosphatidylglucoside: Its structure, thermal behavior, and domain formation in plasma membranes. Chemistry and Physics of Lipids, 2012, 165, 197-206.	1.5	15

#	Article	IF	Citations
19	Cholesterol asymmetry at the tip of filopodia during cell adhesion. FASEB Journal, 2020, 34, 6185-6197.	0.2	13
20	Formation of tubules and helical ribbons by ceramide phosphoethanolamine-containing membranes. Scientific Reports, 2019, 9, 5812.	1.6	12
21	The use of pore-forming toxins to image lipids and lipid domains. Methods in Enzymology, 2021, 649, 503-542.	0.4	10
22	Impact of Intrinsic and Extrinsic Factors on Cellular Sphingomyelin Imaging with Specific Reporter Proteins. Contact (Thousand Oaks (Ventura County, Calif)), 2021, 4, 251525642110424.	0.4	4
23	Wrapping axons in mammals and Drosophila: Different lipids, same principle. Biochimie, 2020, 178, 39-48.	1.3	3
24	A novel sterol-binding protein reveals heterogeneous cholesterol distribution in neurite outgrowth and in late endosomes/lysosomes. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	3