Abdou Rachid Thiam

List of Publications by Year
in descending order

31 papers	3,057 citations	331538 21 h-index	434063 31 g-index
37 all docs	37 docs citations	37 times ranked	3042 citing authors

#	Article	IF	Citations
1	Hepatitis C virus core protein uses triacylglycerols to fold onto the endoplasmic reticulum membrane. Traffic, 2022, 23, 63-80.	1.3	7
2	MOSPD2 is an endoplasmic reticulumâ€“lipid droplet tether functioning in LD homeostasis. Journal of Cell Biology, 2022, 221, .	2.3	13
3	Impact of Cyclization and Methylation on Peptide Penetration through Droplet Interface Bilayers. Langmuir, 2022, 38, 5682-5691.	1.6	2
4	Lipid Droplet Nucleation. Trends in Cell Biology, 2021, 31, 108-118.	3.6	88
5	Fat inclusions strongly alter membrane mechanics. Biophysical Journal, 2021, 120, 607-617.	0.2	22
6	Pre-existing bilayer stresses modulate triglyceride accumulation in the ER versus lipid droplets. ELife, 2021, 10, .	2.8	55
7	Retinyl esters form lipid droplets independently of triacylglycerol and seipin. Journal of Cell Biology, 2021, 220, .	2.3	22
8	Origin of gradients in lipid density and surface tension between connected lipid droplet and bilayer. Biophysical Journal, 2021, 120, 5491-5503.	0.2	24
9	Triacylglycerols sequester monotopic membrane proteins to lipid droplets. Nature Communications, 2020, 11, 3944.	5.8	46
10	Neutral lipids regulate amphipathic helix affinity for model lipid droplets. Journal of Cell Biology, 2020, 219, .	2.3	57
11	Membrane determinants for the passive translocation of analytes through droplet interface bilayers. Soft Matter, 2020, 16, 5970-5980.	1.2	11
12	Making Droplet-Embedded Vesicles to Model Cellular Lipid Droplets. STAR Protocols, 2020, 1, 100116.	0.5	15
13	Membrane Curvature Catalyzes Lipid Droplet Assembly. Current Biology, 2020, 30, 2481-2494.e6.	1.8	80
14	Mechanisms of protein targeting to lipid droplets: A unified cell biological and biophysical perspective. Seminars in Cell and Developmental Biology, 2020, 108, 4-13.	2.3	44
15	Lipid dropletâ€“membrane contact sites â€“ from protein binding to function. Journal of Cell Science, 2019, 132, .	1.2	55
16	Dual binding motifs underpin the hierarchical association of perilipins1â€“3 with lipid droplets. Molecular Biology of the Cell, 2019, 30, 703-716.	0.9	41
17	Seipin Facilitates Triglyceride Flow to Lipid Droplet and Counteracts Droplet Ripening via Endoplasmic Reticulum Contact. Developmental Cell, 2019, 50, 478-493.e9.	3.1	149
18	Membrane Asymmetry Imposes Directionality on Lipid Droplet Emergence from the ER. Developmental Cell, 2019, 50, 25-42.e7.	3.1	114

#	Article	IF	Citations
19	Septin 9 has Two Polybasic Domains Critical to Septin Filament Assembly and Golgi Integrity. IScience, 2019, 13, 138-153.	1.9	31
20	An Asymmetry in Monolayer Tension Regulates Lipid Droplet Budding Direction. Biophysical Journal, 2018, 114, 631-640.	0.2	73
21	ER Membrane Phospholipids and Surface Tension Control Cellular Lipid Droplet Formation. Developmental Cell, 2017, 41, 591-604.e7.	3.1	213
22	The why, when and how of lipid droplet diversity. Journal of Cell Science, 2017, 130, 315-324.	1.2	185
23	Lipid droplet subset targeting of the Drosophila protein CG2254/dmLdsdh1. Journal of Cell Science, 2017, 130, 3141-3157.	1.2	21
24	Lipid Droplets Can Spontaneously Bud Off from a Symmetric Bilayer. Biophysical Journal, 2017, 113, 15-18.	0.2	34
25	Seipin is required for converting nascent to mature lipid droplets. ELife, 2016, 5, .	2.8	292
26	The physics of lipid droplet nucleation, growth and budding. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 715-722.	1.2	97
27	Conserved Amphipathic Helices Mediate Lipid Droplet Targeting of Perilipins 1â€“3. Journal of Biological Chemistry, 2016, 291, 6664-6678.	1.6	104
28	The Energy of COPI for Budding Membranes. PLoS ONE, 2015, 10, e0133757.	1.1	7
29	Arf1/COPI machinery acts directly on lipid droplets and enables their connection to the ER for protein targeting. ELife, 2014, 3, e01607.	2.8	240
30	The biophysics and cell biology of lipid droplets. Nature Reviews Molecular Cell Biology, 2013, 14, 775-786.	16.1	759
31	COPI buds 60-nm lipid droplets from reconstituted waterâ€“phospholipidâ€“triacylglyceride interfaces, suggesting a tension clamp function. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13244-13249.	3.3	146