MichaÅ, Grzybek

List of Publications by Year
in descending order

50	4,404	172207 29	214527 47
papers	citations	h-index	g-index

57	57	57	6943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. Cell, 2018, 172, 147-161.e12.	13.5	702
2	Palmitoylation regulates raft affinity for the majority of integral raft proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22050-22054.	3.3	469
3	Greasing Their Way: Lipid Modifications Determine Protein Association with Membrane Rafts. Biochemistry, 2010, 49, 6305-6316.	1.2	352
4	Partitioning, diffusion, and ligand binding of raft lipid analogs in model and cellular plasma membranes. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1777-1784.	1.4	301
5	Regulation of human EGF receptor by lipids. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9044-9048.	3.3	260
6	Raft domains of variable properties and compositions in plasma membrane vesicles. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11411-11416.	3.3	218
7	Cholesterol modulates glycolipid conformation and receptor activity. Nature Chemical Biology, 2011, 7, 260-262.	3.9	194
8	DEL-1 promotes macrophage efferocytosis and clearance of inflammation. Nature Immunology, 2019, 20, 40-49.	7.0	182
9	N -Glycosylation as determinant of epidermal growth factor receptor conformation in membranes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4334-4339.	3.3	135
10	Detection of human disease conditions by single-cell morpho-rheological phenotyping of blood. ELife, 2018, 7, .	2.8	125
11	Measurement of the membrane curvature preference of phospholipids reveals only weak coupling between lipid shape and leaflet curvature. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22245-22250.	3.3	123
12	Co-option of Membrane Wounding Enables Virus Penetration into Cells. Cell Host and Microbe, 2015, 18, 75-85.	5.1	114
13	Galectin-9 trafficking regulates apical-basal polarity in Madinâ€“Darby canine kidney epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17633-17638.	3.3	113
14	Visualization of ligand-induced transmembrane signaling in the full-length human insulin receptor. Journal of Cell Biology, 2018, 217, 1643-1649.	2.3	104
15	Adaptive Lipid Packing and Bioactivity in Membrane Domains. PLoS ONE, 2015, 10, e0123930.	1.1	96
16	Structural basis of wedging the Golgi membrane by FAPP pleckstrin homology domains. EMBO Reports, 2010, 11, 279-284.	2.0	71
17	Protein 4.1, a component of the erythrocyte membrane skeleton and its related homologue proteins forming the protein 4.1/FERM superfamily. Folia Histochemica Et Cytobiologica, 2006, 44, 231-48.	0.6	64
18	A Temperature-Dependent Switch in Feeding Preference Improves Drosophila Development and Survival in the Cold. Developmental Cell, 2018, 46, 781-793.e4.	3.1	61

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19	Validity and applicability of membrane model systems for studying interactions of peripheral membrane proteins with lipids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1049-1059.	1.2	58
20	Golgi protein FAPP2 tubulates membranes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21121-21125.	3.3	52
21	Strong preferences of dopamine and <scp>l</scp>â€dopa towards lipid head group: importance of lipid composition and implication for neurotransmitter metabolism. Journal of Neurochemistry, 2012, 122, 681-690.	2.1	51
22	Spectrinâ€“phospholipid interactions. Chemistry and Physics of Lipids, 2006, 141, 133-141.	1.5	46
23	Molecular Convergence of Bacterial and Eukaryotic Surface Order. Journal of Biological Chemistry, 2011, 286, 40631-40637.	1.6	46
24	The Munich MIDY Pig Biobank â€“ A unique resource for studying organ crosstalk in diabetes. Molecular Metabolism, 2017, 6, 931-940.	3.0	39
25	A Raft-Associated Species of Phosphatidylethanolamine Interacts with Cholesterol Comparably to Sphingomyelin. A Langmuir-Blodgett Monolayer Study. PLoS ONE, 2009, 4, e5053.	1.1	36
26	Comprehensive and quantitative analysis of white and brown adipose tissue by shotgun lipidomics. Molecular Metabolism, 2019, 22, 12-20.	3.0	35
27	Rafts--the current picture. Folia Histochemica Et Cytobiologica, 2005, 43, 3-10.	0.6	35
28	Phase Partitioning of GM1 and Its Bodipy-Labeled Analog Determine Their Different Binding to Cholera Toxin. Frontiers in Physiology, 2017, 8, 252.	1.3	34
29	Lipidomic approach for stratification of acute myeloid leukemia patients. PLoS ONE, 2017, 12, e0168781.	1.1	33
30	Structural Basis of Dynamic Membrane Recognition by trans-Golgi Network Specific FAPP Proteins. Journal of Molecular Biology, 2015, 427, 966-981.	2.0	29
31	Palmitoylation of MPP1 (Membrane-palmitoylated Protein 1)/p55 Is Crucial for Lateral Membrane Organization in Erythroid Cells. Journal of Biological Chemistry, 2012, 287, 18974-18985.	1.6	27
32	MPP1 as a Factor Regulating Phase Separation in Giant Plasma Membrane-Derived Vesicles. Biophysical Journal, 2015, 108, 2201-2211.	0.2	26
33	Multi-omics insights into functional alterations of the liver in insulin-deficient diabetes mellitus. Molecular Metabolism, 2019, 26, 30-44.	3.0	26
34	Key Amino Acid Residues of Ankyrin-Sensitive Phosphatidylethanolamine/Phosphatidylcholine-Lipid Binding Site of Î²I-Spectrin. PLoS ONE, 2011, 6, e21538.	1.1	24
35	Aggregation of spectrin and PKCÎ¸ is an early hallmark of fludarabine/mitoxantrone/dexamethasone-induced apoptosis in Jurkat T and HL60 cells. Molecular and Cellular Biochemistry, 2010, 339, 63-77.	1.4	14
36	The RNA binding protein human antigen R is a gatekeeper of liver homeostasis. Hepatology, 2022, 75, 881-897.	3.6	14

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37	Two-Dimensional Trap for Ultrasensitive Quantification of Transient Protein Interactions. ACS Nano, 2015, 9, 9783-9791.	7.3	12
38	The role of hydrophobic interactions in ankyrinâ€“spectrin complex formation. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 2084-2089.	1.4	11
39	The 22.5kDa spectrin-binding domain of ankyrinR binds spectrin with high affinity and changes the spectrin distribution in cells in vivo. Protein Expression and Purification, 2008, 60, 157-164.	0.6	10
40	Release of an â^¼455 kDa fragment containing the actin-binding domain of Î²-spectrin by caspase-8 during FND-induced apoptosis depends on the presence of protein 4.1. Archives of Biochemistry and Biophysics, 2013, 535, 205-213.	1.4	8
41	Mitoxantrone changes spectrin-aminophospholipid interactions. Molecular Membrane Biology, 2006, 23, 235-243.	2.0	7
42	Analysis of Transmembrane Domains and Lipid Modified Peptides with Matrix-Assisted Laser Desorption Ionization-Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2014, 86, 3722-3726.	3.2	7
43	Selective Phosphorylation of Akt/Protein-Kinase B Isoforms in Response to Dietary Cues. Frontiers in Cell and Developmental Biology, 2019, 7, 206.	1.8	7
44	Synthetic Vectors for Genetic Drug Delivery. , 2006, , 139-174.		5
45	Lipidâ€“protein interactions governing raft partitioning in membranes. Chemistry and Physics of Lipids, 2010, 163, S10.	1.5	3
46	Glycosylation Affects the Conformational Behavior of EGFR. Biophysical Journal, 2016, 110, 89a.	0.2	2
47	Chapter Four Interactions of Erythroid and Nonerythroid Spectrins and Other Membrane-Skeletal Proteins with Lipid Mono- and Bilayers. Behavior Research Methods, 2008, 6, 81-260.	2.3	1
48	Modulation of EGF receptor activity by lipids. Chemistry and Physics of Lipids, 2011, 164, S20-S21.	1.5	0
49	The Interactions of Dopamine and L-Dopa with Lipid Headgroup and its Implication for Neurotransmitters Metabolism. Biophysical Journal, 2013, 104, 498a.	0.2	0
50	Multi-Omics Insights into Functional Alterations of the Liver in Insulin-Deficient Diabetes Mellitus. SSRN Electronic Journal, 0, , .	0.4	0