

Peter Greimel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4756470/publications.pdf>

Version: 2024-02-01

38
papers

1,311
citations

361045

20
h-index

360668

35
g-index

41
all docs

41
docs citations

41
times ranked

2160
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bilirubin-Inducible Fluorescent Protein from Eel Muscle. <i>Cell</i> , 2013, 153, 1602-1611.	13.5	269
2	Eudicot plant-specific sphingolipids determine host selectivity of microbial NLP cytolysins. <i>Science</i> , 2017, 358, 1431-1434.	6.0	167
3	Glycerophospholipid regulation of modality-specific sensory axon guidance in the spinal cord. <i>Science</i> , 2015, 349, 974-977.	6.0	89
4	Lipid compartmentalization in the endosome system. <i>Seminars in Cell and Developmental Biology</i> , 2014, 31, 48-56.	2.3	72
5	Real-Time Visualization of Assembling of a Sphingomyelin-Specific Toxin on Planar Lipid Membranes. <i>Biophysical Journal</i> , 2013, 105, 1397-1405.	0.2	64
6	Binding of a pleurotolysin ortholog from <i>Pleurotus eryngii</i> to sphingomyelin and cholesterol-rich membrane domains. <i>Journal of Lipid Research</i> , 2013, 54, 2933-2943.	2.0	49
7	Evaluation of aegerolysins as novel tools to detect and visualize ceramide phosphoethanolamine, a major sphingolipid in invertebrates. <i>FASEB Journal</i> , 2015, 29, 3920-3934.	0.2	46
8	Lipid rafts enriched in phosphatidylglucoside direct astroglial differentiation by regulating tyrosine kinase activity of epidermal growth factor receptors. <i>Biochemical Journal</i> , 2009, 419, 565-575.	1.7	44
9	Phosphatidylglucoside Forms Specific Lipid Domains on the Outer Leaflet of the Plasma Membrane. <i>Biochemistry</i> , 2010, 49, 4732-4739.	1.2	37
10	Spectroscopic Evidence for the Unusual Stereochemical Configuration of an Endosome-Specific Lipid. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 533-535.	7.2	35
11	A novel sphingomyelin/cholesterol domain-specific probe reveals the dynamics of the membrane domains during virus release and in Niemann-Pick type C. <i>FASEB Journal</i> , 2017, 31, 1301-1322.	0.2	34
12	Syntheses of phosphatidyl- β -D-glucoside analogues to probe antigen selectivity of monoclonal antibody α -DIM21 β . <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7210-7217.	1.4	32
13	First synthesis of natural phosphatidyl- β -D-glucoside. <i>Tetrahedron Letters</i> , 2008, 49, 3562-3566.	0.7	31
14	GPRC5B-Mediated Sphingomyelin Synthase 2 Phosphorylation Plays a Critical Role in Insulin Resistance. <i>IScience</i> , 2018, 8, 250-266.	1.9	30
15	Limonoid Compounds Inhibit Sphingomyelin Biosynthesis by Preventing CERT Protein-dependent Extraction of Ceramides from the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2012, 287, 24397-24411.	1.6	29
16	Pore-forming toxins: Properties, diversity, and uses as tools to image sphingomyelin and ceramide phosphoethanolamine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 576-592.	1.4	29
17	Role of β -glucosidase 2 in aberrant glycosphingolipid metabolism: model of glucocerebrosidase deficiency in zebrafish. <i>Journal of Lipid Research</i> , 2019, 60, 1851-1867.	2.0	29
18	Stimulatory effects of combined endocrine disruptors on MA-10 Leydig cell steroid production and lipid homeostasis. <i>Toxicology</i> , 2016, 355-356, 21-30.	2.0	25

#	ARTICLE	IF	CITATIONS
19	Glucocerebrosidases catalyze a transgalactosylation reaction that yields a newly-identified brain sterol metabolite, galactosylated cholesterol. <i>Journal of Biological Chemistry</i> , 2020, 295, 5257-5277.	1.6	24
20	Biologically Active 1-Aminodeoxy and 1-O-Alkyl Derivatives of The Powerful D-Glucosidase Inhibitor 2,5-Dideoxy-2,5-Imino-D-Mannitol. <i>Journal of Carbohydrate Chemistry</i> , 2000, 19, 975-990.	0.4	22
21	Fluorescent glycosidase inhibiting 1,5-dideoxy-1,5-iminoalditols. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 2067-2070.	1.0	20
22	Separation and analysis of mono-glucosylated lipids in brain and skin by hydrophilic interaction chromatography based on carbohydrate and lipid moiety. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 146-153.	1.2	17
23	Phosphatidylglucoside: Its structure, thermal behavior, and domain formation in plasma membranes. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 197-206.	1.5	15
24	Preference for Glucose over Inositol Headgroup during Lysolipid Activation of G Protein-Coupled Receptor 55. <i>ACS Chemical Neuroscience</i> , 2019, 10, 716-727.	1.7	14
25	Aglycon diversity of brain sterylglucosides: structure determination of cholesteryl- and sitosterylglucoside. <i>Journal of Lipid Research</i> , 2016, 57, 2061-2072.	2.0	13
26	Formation of tubules and helical ribbons by ceramide phosphoethanolamine-containing membranes. <i>Scientific Reports</i> , 2019, 9, 5812.	1.6	12
27	Squaryl group modified phosphoglycolipid analogs as potential modulators of GPR55. <i>Chemical Communications</i> , 2018, 54, 8470-8473.	2.2	10
28	Bis(monoacylglycero)phosphate regulates oxysterol binding protein-related protein 11 dependent sterol trafficking. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1247-1257.	1.2	10
29	Sensitivity of phosphatidylglucoside against phospholipases. <i>Analytical Biochemistry</i> , 2007, 365, 149-151.	1.1	6
30	Stereocontrolled Synthesis of α -phosphatidyl β -D-Glucoside. <i>ChemistrySelect</i> , 2021, 6, 6811-6815.0.7	0.7	6
31	Lysolipid Chain Length Switches Agonistic to Antagonistic G Protein-Coupled Receptor Modulation. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3635-3645.	1.7	5
32	Non-natural aldofuranosides as substrates of a β -glucosidase. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 159-165.	1.8	4
33	Systematic synthesis of novel phosphoglycolipid analogues as potential agonists of GPR55. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8467-8473.	1.5	4
34	β -Glucosylation of cholesterol reduces sterol-sphingomyelin interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183496.	1.4	3
35	Biophysical Properties of Phosphatidylglucoside and Phosphatidylinositol: Specific Differences in Head Group Interaction. <i>Trends in Glycoscience and Glycotechnology</i> , 2018, 30, E1-E13.	0.0	3
36	A novel sterol-binding protein reveals heterogeneous cholesterol distribution in neurite outgrowth and in late endosomes/lysosomes. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	3

#	ARTICLE	IF	CITATIONS
37	Noninvasive monitoring of bilirubin photoisomer excretion during phototherapy. Scientific Reports, 2022, 12, .	1.6	3
38	Photoswitchable phospholipid FRET acceptor: Detergent free intermembrane transfer assay of fluorescent lipid analogs. Scientific Reports, 2017, 7, 2900.	1.6	2