Peter Greimel

List of Publications by Year
in descending order

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 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
2	Noninvasive monitoring of bilirubin photoisomer excretion during phototherapy. Scientific Reports, 2022, 12, .	1.6	3
3	Î²-Glucosylation of cholesterol reduces sterol-sphingomyelin interactions. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183496.	1.4	3
4	Stereocontrolled Synthesis of <i>Lyso</i>â€phosphatidyl Î²â€Dâ€Glucoside. ChemistrySelect, 2021, 6, 6811-6815.	0.7	6
5	Systematic synthesis of novel phosphoglycolipid analogues as potential agonists of GPR55. Organic and Biomolecular Chemistry, 2020, 18, 8467-8473.	1.5	4
6	Lysolipid Chain Length Switches Agonistic to Antagonistic G Protein-Coupled Receptor Modulation. ACS Chemical Neuroscience, 2020, 11, 3635-3645.	1.7	5
7	Glucocerebrosidases catalyze a transgalactosylation reaction that yields a newly-identified brain sterol metabolite, galactosylated cholesterol. Journal of Biological Chemistry, 2020, 295, 5257-5277.	1.6	24
8	Bis(monoacylglycero)phosphate regulates oxysterol binding protein-related protein 11 dependent sterol trafficking. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1247-1257.	1.2	10
9	Formation of tubules and helical ribbons by ceramide phosphoethanolamine-containing membranes. Scientific Reports, 2019, 9, 5812.	1.6	12
10	Role of Î¼-glucosidase 2 in aberrant glycosphingolipid metabolism: model of glucocerebrosidase deficiency in zebrafish. Journal of Lipid Research, 2019, 60, 1851-1867.	2.0	29
11	Preference for Glucose over Inositol Headgroup during Lysolipid Activation of G Protein-Coupled Receptor 55. ACS Chemical Neuroscience, 2019, 10, 716-727.	1.7	14
12	GPRC5B-Mediated Sphingomyelin Synthase 2 Phosphorylation Plays a Critical Role in Insulin Resistance. IScience, 2018, 8, 250-266.	1.9	30
13	Squaryl group modified phosphoglycolipid analogs as potential modulators of GPR55. Chemical Communications, 2018, 54, 8470-8473.	2.2	10
14	Biophysical Properties of Phosphtidylglucoside and Phosphatidylinositol: Specific Differences in Head Group Interaction. Trends in Glycoscience and Glycotechnology, 2018, 30, E1-E13.	0.0	3
15	Photoswitchable phospholipid FRET acceptor: Detergent free intermembrane transfer assay of fluorescent lipid analogs. Scientific Reports, 2017, 7, 2900.	1.6	2
16	Eudicot plant-specific sphingolipids determine host selectivity of microbial NLP cytolysins. Science, 2017, 358, 1431-1434.	6.0	167
17	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
18	Stimulatory effects of combined endocrine disruptors on MA-10 Leydig cell steroid production and lipid homeostasis. Toxicology, 2016, 355-356, 21-30.	2.0	25

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19	Separation and analysis of mono-glucosylated lipids in brain and skin by hydrophilic interaction chromatography based on carbohydrate and lipid moiety. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1031, 146-153.	1.2	17
20	Aglycon diversity of brain sterylglucosides: structure determination of cholesteryl- and sitosterylglucoside. Journal of Lipid Research, 2016, 57, 2061-2072.	2.0	13
21	Pore-forming toxins: Properties, diversity, and uses as tools to image sphingomyelin and ceramide phosphoethanolamine. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 576-592.	1.4	29
22	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
23	Glycerophospholipid regulation of modality-specific sensory axon guidance in the spinal cord. Science, 2015, 349, 974-977.	6.0	89
24	Lipid compartmentalization in the endosome system. Seminars in Cell and Developmental Biology, 2014, 31, 48-56.	2.3	72
25	Real-Time Visualization of Assembling of a Sphingomyelin-Specific Toxin on Planar Lipid Membranes. Biophysical Journal, 2013, 105, 1397-1405.	0.2	64
26	A Bilirubin-Inducible Fluorescent Protein from Eel Muscle. Cell, 2013, 153, 1602-1611.	13.5	269
27	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
28	Limonoid Compounds Inhibit Sphingomyelin Biosynthesis by Preventing CERT Protein-dependent Extraction of Ceramides from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2012, 287, 24397-24411.	1.6	29
29	Phosphatidylglucoside: Its structure, thermal behavior, and domain formation in plasma membranes. Chemistry and Physics of Lipids, 2012, 165, 197-206.	1.5	15
30	Spectroscopic Evidence for the Unusual Stereochemical Configuration of an Endosomeâ€Specific Lipid. Angewandte Chemie - International Edition, 2012, 51, 533-535.	7.2	35
31	Phosphatidylglucoside Forms Specific Lipid Domains on the Outer Leaflet of the Plasma Membrane. Biochemistry, 2010, 49, 4732-4739.	1.2	37
32	Lipid rafts enriched in phosphatidylglucoside direct astroglial differentiation by regulating tyrosine kinase activity of epidermal growth factor receptors. Biochemical Journal, 2009, 419, 565-575.	1.7	44
33	Syntheses of phosphatidyl-Î²-d-glucoside analogues to probe antigen selectivity of monoclonal antibody â€˜DIM21â€™. Bioorganic and Medicinal Chemistry, 2008, 16, 7210-7217.	1.4	32
34	First synthesis of natural phosphatidyl-Î²-d-glucoside. Tetrahedron Letters, 2008, 49, 3562-3566.	0.7	31
35	Sensitivity of phosphatidylglucoside against phospholipases. Analytical Biochemistry, 2007, 365, 149-151.	1.1	6
36	Fluorescent glycosidase inhibiting 1,5-dideoxy-1,5-iminoalditols. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2067-2070.	1.0	20

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37	Non-natural aldofuranosides as substrates of a Î²-glucosidase. Tetrahedron: Asymmetry, 2005, 16, 159-165.	1.8	4
38	Biologically Active 1-Aminodeoxy and 1-O-Alkyl Derivatives of The Powerful D-Glucosidase Inhibitor 2,5-Dideoxy-2,5-Imino-D-Mannitol. Journal of Carbohydrate Chemistry, 2000, 19, 975-990.	0.4	22