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Trifunctional lipid probes for comprehensive studies of single lipid species in living cells

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87	Evaluation of FASP, SP3, and iST Protocols for Proteomic Sample Preparation in the Low Microgram Range. <i>Journal of Proteome Research</i> , 2017 , 16, 4060-4072	5.6	119
86	Molecular design of upconversion nanoparticles for gene delivery. Chemical Science, 2017, 8, 7339-7358	3 9.4	30
85	Mapping Protein Targets of Bioactive Small Molecules Using Lipid-Based Chemical Proteomics. <i>ACS Chemical Biology</i> , 2017 , 12, 2671-2681	4.9	16
84	Towards detecting regulatory protein-metabolite interactions. <i>Current Opinion in Microbiology</i> , 2017 , 39, 16-23	7.9	28
83	Lipid Cell Biology: A Focus on Lipids in Cell Division. <i>Annual Review of Biochemistry</i> , 2018 , 87, 839-869	29.1	36
82	The neutral sphingomyelinase 2 in T cell receptor signaling and polarity. <i>Biological Chemistry</i> , 2018 , 399, 1147-1155	4.5	2
81	Novel function of ceramide for regulation of mitochondrial ATP release in astrocytes. <i>Journal of Lipid Research</i> , 2018 , 59, 488-506	6.3	25
80	A search for ceramide binding proteins using bifunctional lipid analogs yields CERT-related protein StarD7. <i>Journal of Lipid Research</i> , 2018 , 59, 515-530	6.3	27
79	Chemical biology: fats as research subjects. <i>Nature Methods</i> , 2018 , 15, 35-38	21.6	
78	Extending the Compatibility of the SP3 Paramagnetic Bead Processing Approach for Proteomics. Journal of Proteome Research, 2018 , 17, 1730-1740	5.6	104
77	Ca releases E-Syt1 autoinhibition to couple ER-plasma membrane tethering with lipid transport. <i>EMBO Journal</i> , 2018 , 37, 219-234	13	72
76	Azide-tagged sphingolipids for the proteome-wide identification of C16-ceramide-binding proteins. <i>Chemical Communications</i> , 2018 , 54, 13742-13745	5.8	5
75	FRET probes for measuring sphingolipid metabolizing enzyme activity. <i>Chemistry and Physics of Lipids</i> , 2018 , 216, 152-161	3.7	14
74	Opportunities for Lipid-Based Probes in the Field of Immunology. <i>Current Topics in Microbiology and Immunology</i> , 2019 , 420, 283-319	3.3	1
73	Greasing the Wheels of Lipid Biology with Chemical Tools. <i>Trends in Biochemical Sciences</i> , 2018 , 43, 970	- 9:&3 3	31
7 2	Sphingolipids and lipid rafts: Novel concepts and methods of analysis. <i>Chemistry and Physics of Lipids</i> , 2018 , 216, 114-131	3.7	91
71	Niemann-Pick type C disease: The atypical sphingolipidosis. <i>Advances in Biological Regulation</i> , 2018 , 70, 82-88	6.2	32

(2019-2018)

70	Mitochondria-specific photoactivation to monitor local sphingosine metabolism and function. <i>ELife</i> , 2018 , 7,	8.9	36
69	Mechanisms of Lipid Sorting in the Endosomal Pathway. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2018 , 28, 1-39	1	
68	A Bifunctional Noncanonical Amino Acid: Synthesis, Expression, and Residue-Specific Proteome-wide Incorporation. <i>Biochemistry</i> , 2018 , 57, 4747-4752	3.2	10
67	Synthetic Strategies for Modified Glycosphingolipids and Their Design as Probes. <i>Chemical Reviews</i> , 2018 , 118, 8188-8241	68.1	20
66	Novel lipid tools and probes for biological investigations. <i>Current Opinion in Cell Biology</i> , 2018 , 53, 97-1	04)	35
65	Click chemistry in sphingolipid research. <i>Chemistry and Physics of Lipids</i> , 2018 , 215, 71-83	3.7	15
64	Current advances of carbene-mediated photoaffinity labeling in medicinal chemistry <i>RSC Advances</i> , 2018 , 8, 29428-29454	3.7	39
63	Visualizing biologically active small molecules in cells using click chemistry. <i>Nature Reviews Chemistry</i> , 2018 , 2, 202-215	34.6	80
62	Neurometabolic Hereditary Diseases of Adults. 2018,		1
61	Niemann-Pick Disease Type C. 2018 , 121-146		3
60	Niemann-Pick Disease Type C. 2018 , 121-146 Click reactions with functional sphingolipids. <i>Biological Chemistry</i> , 2018 , 399, 1157-1168	4.5	3
		4·5 9·7	
60	Click reactions with functional sphingolipids. <i>Biological Chemistry</i> , 2018 , 399, 1157-1168 Photocrosslinking probes for capture of carbohydrate interactions. <i>Current Opinion in Chemical</i>		12
6o 59	Click reactions with functional sphingolipids. <i>Biological Chemistry</i> , 2018 , 399, 1157-1168 Photocrosslinking probes for capture of carbohydrate interactions. <i>Current Opinion in Chemical Biology</i> , 2019 , 53, 173-182 Sphingomyelin Breakdown in T Cells: Role of Membrane Compartmentalization in T Cell Signaling	9.7	12
605958	Click reactions with functional sphingolipids. <i>Biological Chemistry</i> , 2018 , 399, 1157-1168 Photocrosslinking probes for capture of carbohydrate interactions. <i>Current Opinion in Chemical Biology</i> , 2019 , 53, 173-182 Sphingomyelin Breakdown in T Cells: Role of Membrane Compartmentalization in T Cell Signaling and Interference by a Pathogen. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 152 Nitrobenzyl-based fluorescent photocages for spatial and temporal control of signalling lipids in	9·7 5·7	12 17 7
60595857	Click reactions with functional sphingolipids. <i>Biological Chemistry</i> , 2018 , 399, 1157-1168 Photocrosslinking probes for capture of carbohydrate interactions. <i>Current Opinion in Chemical Biology</i> , 2019 , 53, 173-182 Sphingomyelin Breakdown in T Cells: Role of Membrane Compartmentalization in T Cell Signaling and Interference by a Pathogen. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 152 Nitrobenzyl-based fluorescent photocages for spatial and temporal control of signalling lipids in cells. <i>Chemical Communications</i> , 2019 , 55, 12288-12291 Mammalian sphingoid bases: Biophysical, physiological and pathological properties. <i>Progress in</i>	9·7 5·7 5.8	12 17 7
6059585756	Click reactions with functional sphingolipids. <i>Biological Chemistry</i> , 2018 , 399, 1157-1168 Photocrosslinking probes for capture of carbohydrate interactions. <i>Current Opinion in Chemical Biology</i> , 2019 , 53, 173-182 Sphingomyelin Breakdown in T Cells: Role of Membrane Compartmentalization in T Cell Signaling and Interference by a Pathogen. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 152 Nitrobenzyl-based fluorescent photocages for spatial and temporal control of signalling lipids in cells. <i>Chemical Communications</i> , 2019 , 55, 12288-12291 Mammalian sphingoid bases: Biophysical, physiological and pathological properties. <i>Progress in Lipid Research</i> , 2019 , 100995	9·7 5·7 5.8 14·3	12 17 7 6

52	Getting a Grip on Greasy Molecules. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 640-641	10.3	
51	Cytosolic glucosylceramide regulates endolysosomal function in Niemann-Pick type C disease. <i>Neurobiology of Disease</i> , 2019 , 127, 242-252	7.5	15
50	Lipid?Protein Interactions in Niemann?Pick Type C Disease: Insights from Molecular Modeling. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
49	Chemical Biology Gateways to Mapping Location, Association, and Pathway Responsivity. <i>Frontiers in Chemistry</i> , 2019 , 7, 125	5	6
48	Bi- and Trifunctional Lipids for Visualization of Sphingolipid Dynamics within the Cell. <i>Methods in Molecular Biology</i> , 2019 , 1949, 95-103	1.4	4
47	Endogenous alpha-synuclein monomers, oligomers and resulting pathology: let's talk about the lipids in the room. <i>Npj Parkinson Disease</i> , 2019 , 5, 23	9.7	23
46	Niemann-Pick type C disease: cellular pathology and pharmacotherapy. <i>Journal of Neurochemistry</i> , 2020 , 153, 674-692	6	26
45	Synthesis and Cellular Labeling of Caged Phosphatidylinositol Derivatives. <i>Chemistry - A European Journal</i> , 2020 , 26, 384-389	4.8	12
44	Targeted and proteome-wide analysis of metabolite-protein interactions. <i>Current Opinion in Chemical Biology</i> , 2020 , 54, 19-27	9.7	7
43	Lipids: chemical tools for their synthesis, modification, and analysis. <i>Chemical Society Reviews</i> , 2020 , 49, 4602-4614	58.5	21
42	ACLY is the novel signaling target of PIP/PIP and Lyn in acute myeloid leukemia. <i>Heliyon</i> , 2020 , 6, e039	10 3.6	6
41	Live-cell lipid biochemistry reveals a role of diacylglycerol side-chain composition for cellular lipid dynamics and protein affinities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7729-7738	11.5	19
40	Lipid Rafts. Methods in Molecular Biology, 2021,	1.4	О
39	Genetic defects in the sphingolipid degradation pathway and their effects on microglia in neurodegenerative disease. <i>Cellular Signalling</i> , 2021 , 78, 109879	4.9	5
38	Confocal Imaging Analysis of Mitochondrial Trafficking of Individual Lipid Species in Live Cells. <i>SSRN Electronic Journal</i> ,	1	
37	Photoaffinity labelling strategies for mapping the small molecule-protein interactome. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 7792-7809	3.9	8
36	Tug-of-war: molecular dynamometers against living cells for analyzing sub-piconewton interaction of a specific protein with the cell membrane. <i>Chemical Science</i> , 2021 , 12, 14389-14395	9.4	1
35	Vacuole-specific lipid release for tracking intracellular lipid metabolism and transport in Saccharomyces cerevisiae.		

34	Synthesis and Cellular Labeling of Multifunctional Phosphatidylinositol Bis- and Trisphosphate Derivatives. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19759-19765	16.4	5
33	Synthesis and Cellular Labeling of Multifunctional Phosphatidylinositol Bis- and Trisphosphate Derivatives. <i>Angewandte Chemie</i> , 2021 , 133, 19912-19918	3.6	Ο
32	Sphingolipids: Effectors and Achilles Heals in Viral Infections?. <i>Cells</i> , 2021 , 10,	7.9	6
31	Compartmentalization of Sphingolipid metabolism: Implications for signaling and therapy. <i>Pharmacology & Therapeutics</i> , 2021 , 108005	13.9	3
30	Synthetic probes and chemical tools in sphingolipid research. <i>Current Opinion in Chemical Biology</i> , 2021 , 65, 126-135	9.7	1
29	Caged lipids for subcellular manipulation. Current Opinion in Chemical Biology, 2021, 65, 42-48	9.7	6
28	Scanning densitometry and mass spectrometry for HPTLC analysis of lipids: The last 10 years. Journal of Liquid Chromatography and Related Technologies, 2021 , 44, 148-170	1.3	7
27	Role of bioactive sphingolipids in physiology and pathology. <i>Essays in Biochemistry</i> , 2020 , 64, 579-589	7.6	27
26	Glycolysis regulates Hedgehog signalling via the plasma membrane potential. <i>EMBO Journal</i> , 2020 , 39, e101767	13	6
25	Systematic mapping of protein-metabolite interactions in central metabolism of Escherichia coli. <i>Molecular Systems Biology</i> , 2019 , 15, e9008	12.2	22
24	Binding-based proteomic profiling and the fatty acid amides. 2018 , 1,		5
23	Macrophage-Bacteria Interactions-A Lipid-Centric Relationship. Frontiers in Immunology, 2017 , 8, 1836	8.4	30
22	Addressing lipid structural diversity in signalling: Photochemical probes for live-cell lipid biochemistry.		
21	Detection of Functionalized Sphingolipid Analogs in Detergent-Resistant Membranes of Immune Cells. <i>Methods in Molecular Biology</i> , 2021 , 2187, 313-325	1.4	
20	De Novo Lipid Labeling for Comprehensive Analysis of Subcellular Distribution and Trafficking in Live Cells.		
19	Lysosome-targeted lipid probes reveal sterol transporters NPC1 and LIMP-2 as sphingosine transporters.		2
18	Release of acidic store calcium is required for effective priming of the NLRP3 inflammasome.		
17	Role of Protein-Lipid Interactions in Viral Entry <i>Advanced Biology</i> , 2022 , e2101264		Ο

A metabolic labeling-based chemoproteomic platform unravels the physiological roles of choline metabolites.

15	Chemical Biology Tools to Study Lipids and their Metabolism with Increased Spatial and Temporal Resolution <i>Chimia</i> , 2021 , 75, 1012-1016	1.3	
14	A Chemoproteomics Approach to Profile Phospholipase D-Derived Phosphatidyl Alcohol Interactions ACS Chemical Biology, 2021 ,	4.9	2
13	Niemann-Pick type C disease (NPC). 2022 , 525-551		
12	Vacuole-Specific Lipid Release for Tracking Intracellular Lipid Metabolism and Transport in Saccharomyces cerevisiae. <i>ACS Chemical Biology</i> , 2022 , 17, 1485-1494	4.9	0
11	Contribution of specific ceramides to obesity-associated metabolic diseases. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79,	10.3	O
10	Metabolic Labeling-Based Chemoproteomics Establishes Choline Metabolites as Protein Function Modulators. <i>ACS Chemical Biology</i> ,	4.9	О
9	Elash & Click⊞Multifunctionalized Lipid Derivatives as Tools To Study Viral Infections. 2022 , 144, 13987-13995		1
8	Regulation of membrane protein structure and function by their lipid nano-environment.		3
7	Comparative Photoaffinity Profiling of Omega-3 Signaling Lipid Probes Reveals Prostaglandin Reductase 1 as a Metabolic Hub in Human Macrophages.		1
6	Chemical Probes to Control and Visualize Lipid Metabolism in the Brain.		1
5	Photoreactive bioorthogonal lipid probes and their applications in mammalian biology.		O
4	SPNS1 is required for the transport of lysosphingolipids and lysoglycerophospholipids from lysosomes.		O
3	The Niemann-Pick type diseases [A synopsis of inborn errors in sphingolipid and cholesterol metabolism. 2023 , 90, 101225		O
2	The Road to Quantitative Lipid Biochemistry in Living Cells. 2023, 56, 810-820		0
1	Harnessing Clickable Acylated Glycerol Probes as Chemical Tools for Tracking Glycerolipid Metabolism.		O