

Naoko Komura

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

658
citations

687363

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31
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of biochemical features of ST8 α -N-acetyl-neuraminide α 2,8-sialyltransferase (St8sia) 5 isoforms. Glycoconjugate Journal, 2022, , 1.	2.7	1
2	Development of lacto-series ganglioside fluorescent probe using late-stage sialylation and behavior analysis with single-molecule imaging. RSC Chemical Biology, 2022, 3, 868-885.	4.1	3
3	ABCA13 dysfunction associated with psychiatric disorders causes impaired cholesterol trafficking. Journal of Biological Chemistry, 2021, 296, 100166.	3.4	21
4	Subsequent menstrual disorder after spontaneous menarche in Turner syndrome. Clinical Endocrinology, 2021, 95, 163-168.	2.4	4
5	Advanced Chemical Methods for Stereoselective Sialylation and Their Applications in Sialoglycan Syntheses. Chemical Record, 2021, 21, 3194-3223.	5.8	22
6	FRET detects lateral interaction between transmembrane domain of EGF receptor and ganglioside GM3 in lipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183623.	2.6	10
7	Defining raft domains in the plasma membrane. Traffic, 2020, 21, 106-137.	2.7	94
8	On-Membrane Dynamic Interplay between Anti-GM1 IgG Antibodies and Complement Component C1q. International Journal of Molecular Sciences, 2020, 21, 147.	4.1	13
9	Stereoselective Synthesis of Diglycosyl Diacylglycerols with Glycosyl Donors Bearing a β -Stereodirecting 2,3-Naphthalenedimethyl Protecting Group. Journal of Organic Chemistry, 2020, 85, 16166-16181.	3.2	3
10	Development of Fluorescent Ganglioside GD3 and GQ1b Analogs for Elucidation of Raft-Associated Interactions. Journal of Organic Chemistry, 2020, 85, 15998-16013.	3.2	14
11	Homeostatic and pathogenic roles of α 3 ganglioside molecular species in α 4 signaling in obesity. EMBO Journal, 2020, 39, e101732.	7.8	25
12	Indirect synthetic route to α -l-fucosides via highly stereoselective construction of α -l-galactosides followed by C6-deoxygenation. Organic and Biomolecular Chemistry, 2020, 18, 5017-5033.	2.8	2
13	Control of Lipid Bilayer Phases of Cell-Sized Liposomes by Surface-Engineered Plasmonic Nanoparticles. Langmuir, 2020, 36, 7741-7746.	3.5	7
14	Efficient diversification of GM3 gangliosides <i>via</i> late-stage sialylation and dynamic glycan structural studies with ^{19}F solid-state NMR. Organic and Biomolecular Chemistry, 2020, 18, 2902-2913.	2.8	8
15	Novel Glycosidation Based on Alkyne Activation. Trends in Glycoscience and Glycotechnology, 2020, 32, E35-E36.	0.1	0
16	Novel Glycosidation Based on Alkyne Activation. Trends in Glycoscience and Glycotechnology, 2020, 32, J33-J34.	0.1	0
17	Synthesis and Glycan-Protein Interaction Studies of α -Sialosides by ^{77}Se NMR. Organic Letters, 2019, 21, 6393-6396.	4.6	12
18	Sialyl LewisX mimic-decorated liposomes for anti-angiogenic everolimus delivery to E-selectin expressing endothelial cells. RSC Advances, 2019, 9, 20518-20527.	3.6	5

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19	Synthesis of ganglioside analogs containing fluorescently labeled GalNAc for single-molecule imaging. <i>Journal of Carbohydrate Chemistry</i> , 2019, 38, 509-527.	1.1	6
20	Constrained sialic acid donors enable selective synthesis of α -glycosides. <i>Science</i> , 2019, 364, 677-680.	12.6	74
21	Unraveling of Lipid Raft Organization in Cell Plasma Membranes by Single-Molecule Imaging of Ganglioside Probes. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1104, 41-58.	1.6	8
22	Revealing the Raft Domain Organization in the Plasma Membrane by Single-Molecule Imaging of Fluorescent Ganglioside Analogs. <i>Methods in Enzymology</i> , 2018, 598, 267-282.	1.0	19
23	Development of new ganglioside probes and unraveling of raft domain structure by single-molecule imaging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2494-2506.	2.4	32
24	A Synthetic Challenge to the Diversity of Gangliosides for Unveiling Their Biological Significance. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2017, 75, 1162-1170.	0.1	4
25	Syntheses of Fluorescent Gangliosides for the Studies of Raft Domains. <i>Methods in Enzymology</i> , 2017, 597, 239-263.	1.0	17
26	Raft-based interactions of gangliosides with a GPI-anchored receptor. <i>Nature Chemical Biology</i> , 2016, 12, 402-410.	8.0	165
27	Expanded potential of seleno-carbohydrates as a molecular tool for X-ray structural determination of a carbohydrate-protein complex with single/multi-wavelength anomalous dispersion phasing. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2090-2101.	3.0	29
28	A facile method for synthesizing selenoglycosides based on selenium-transfer to glycosyl imidate. <i>Tetrahedron Letters</i> , 2014, 55, 1920-1923.	1.4	22
29	The First Total Synthesis of Ganglioside GalNAc α GD1a, a Target Molecule for Autoantibodies in Guillain-Barré Syndrome. <i>Chemistry - A European Journal</i> , 2011, 17, 5641-5651.	3.3	37
30	Synthesis of Diverse Seleno-Glycolipids via the Transacetalization of Selenoacetals. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	1