List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/924705/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Synthetic prodrug design enables biocatalytic activation in mice to elicit tumor growth suppression. Nature Communications, 2022, 13, 39.	12.8	34
2	The Second-Generation Click-to-Sense Probe for Intraoperative Diagnosis of Breast Cancer Tissues Based on Acrolein Targeting. Bulletin of the Chemical Society of Japan, 2022, 95, 421-426.	3.2	5
3	Homo- and Heterogeneous Glycoconjugates on the Basis of N-Glycans and Human Serum Albumin: Synthesis and Biological Evaluation. Molecules, 2022, 27, 1285.	3.8	2
4	Comparison of "click-to-sense―assay with frozen section analysis using simulated surgical margins in breast cancer patients. European Journal of Surgical Oncology, 2022, 48, 1520-1526.	1.0	1
5	Exploring and Adapting the Molecular Selectivity of Artificial Metalloenzymes. Bulletin of the Chemical Society of Japan, 2021, 94, 382-396.	3.2	14
6	Epoc group: transformable protecting group with gold(iii)-catalyzed fluorene formation. Chemical Science, 2021, 12, 10703-10709.	7.4	4
7	Biofunctional chemistry and reactivity of biogenic acrolein for cancer diagnosis and therapy. Chemical Communications, 2021, 57, 9798-9806.	4.1	4
8	Targeted 1,3-dipolar cycloaddition with acrolein for cancer prodrug activation. Chemical Science, 2021, 12, 5438-5449.	7.4	13
9	<i>In vivo</i> metal-catalyzed SeCT therapy by a proapoptotic peptide. Chemical Science, 2021, 12, 12266-12273.	7.4	10
10	In Situ Synthesis of Glycoconjugates on the Cell Surface: Selective Cell Imaging Using Low-Affinity Glycan Ligands. , 2021, , 55-75.		0
11	Application of Acrolein Imines to Organic Synthesis, Biofunctional Studies, and Clinical Practice. Chemical Record, 2021, 21, 646-662.	5.8	4
12	Disrupting tumor onset and growth via selective cell tagging (SeCT) therapy. Science Advances, 2021, 7,	10.3	17
13	Prodrug Activation by Gold Artificial Metalloenzyme atalyzed Synthesis of Phenanthridinium Derivatives via Hydroamination. Angewandte Chemie - International Edition, 2021, 60, 12446-12454.	13.8	39
14	Prodrug Activation by Gold Artificial Metalloenzymeâ€Catalyzed Synthesis of Phenanthridinium Derivatives via Hydroamination. Angewandte Chemie, 2021, 133, 12554-12562.	2.0	14
15	Rücktitelbild: Prodrug Activation by Gold Artificial Metalloenzymeâ€Catalyzed Synthesis of Phenanthridinium Derivatives via Hydroamination (Angew. Chem. 22/2021). Angewandte Chemie, 2021, 133, 12716-12716.	2.0	0
16	Importance of local glycan heterogeneity for in vivo cancer targeting. Tetrahedron Letters, 2021, 72, 153089.	1.4	2
17	Toward Development of Practical Cancer Diagnostic and Therapeutic Molecule-Development of Efficient Click Reaction-Based Labeling Method and Radiotheranostics Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2021, 79, 673-683.	0.1	0
18	Biomolecular labeling based on lysine-clickable 6ï€-azaelectrocyclization toward innovative cancer theranostics. Bioorganic and Medicinal Chemistry, 2021, 42, 116238.	3.0	4

#	Article	IF	CITATIONS
19	Inhibition of amyloid formation of amyloid β (1–42), amylin and insulin by 1,5-diazacyclooctanes, a spermine-acrolein conjugate. Bioorganic and Medicinal Chemistry, 2021, 46, 116391.	3.0	3
20	In vivo organic synthesis by metal catalysts. Bioorganic and Medicinal Chemistry, 2021, 46, 116353.	3.0	16
21	Identification of difructose dianhydride I synthase/hydrolase from an oral bacterium establishes a novel glycoside hydrolase family. Journal of Biological Chemistry, 2021, 297, 101324.	3.4	13
22	A Strategy for Tumor Targeting by Higherâ€Order Glycan Pattern Recognition: Synthesis and In Vitro and In Vivo Properties of Glycoalbumins Conjugated with Four Different <i>N</i> â€Glycan Molecules. Small, 2020, 16, e2004831.	10.0	14
23	Concise and Reliable Syntheses of Glycodendrimers via Self-Activating Click Chemistry: A Robust Strategy for Mimicking Multivalent Glycan–Pathogen Interactions. Journal of Organic Chemistry, 2020, 85, 16014-16023.	3.2	9
24	The Journey to In Vivo Synthetic Chemistry: From Azaelectrocyclization to Artificial Metalloenzymes. Bulletin of the Chemical Society of Japan, 2020, 93, 1275-1286.	3.2	12
25	Disease-associated acrolein: A possible diagnostic and therapeutic substrate for in vivo synthetic chemistry. Bioorganic and Medicinal Chemistry, 2020, 28, 115831.	3.0	11
26	Bioorthogonal release of anticancer drugs <i>via</i> gold-triggered 2-alkynylbenzamide cyclization. Chemical Science, 2020, 11, 10928-10933.	7.4	38
27	Tumor Targeting: A Strategy for Tumor Targeting by Higherâ€Order Glycan Pattern Recognition: Synthesis and In Vitro and In Vivo Properties of Glycoalbumins Conjugated with Four Different <i>N</i> â€Glycan Molecules (Small 46/2020). Small, 2020, 16, 2070253.	10.0	0
28	Exploration of the Fluoride Reactivity of Aryltrifluoroborate on Selective Cleavage of Diphenylmethylsilyl Groups. European Journal of Organic Chemistry, 2020, 2020, 4616-4620.	2.4	4
29	Cancer discrimination by on-cell N-glycan ligation. Communications Chemistry, 2020, 3, .	4.5	4
30	Emerging Technologies for Realâ€Time Intraoperative Margin Assessment in Future Breastâ€Conserving Surgery. Advanced Science, 2020, 7, 1901519.	11.2	65
31	Enantioselective synthesis of cyclic and linear diamines by imine cycloadditions. Chirality, 2020, 32, 1160-1168.	2.6	4
32	Artificial Glycoproteins as a Scaffold for Targeted Drug Therapy. Small, 2020, 16, e1906890.	10.0	22
33	Unlocking the therapeutic potential of artificial metalloenzymes. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2020, 96, 79-94.	3.8	12
34	Efficient Synthesis of Marine Alkaloid Ageladine A and its Structural Modification for Exploring New Biological Activity. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 51-59.	0.1	2
35	Methods for Acrolein Detection: Recent Advances and Applications. Journal of the Indonesian Chemical Society, 2020, 3, 73.	0.3	0
36	Facile Access to Optically Active 2,6â€Dialkylâ€1,5â€Diazacyclooctanes. Chemistry - an Asian Journal, 2019, 14, 4048-4054.	3.3	4

#	Article	IF	CITATIONS
37	Biocompatibility and therapeutic potential of glycosylated albumin artificial metalloenzymes. Nature Catalysis, 2019, 2, 780-792.	34.4	110
38	The Core Fucose on an IgC Antibody is an Endogenous Ligand of Dectinâ€1. Angewandte Chemie - International Edition, 2019, 58, 18697-18702.	13.8	29
39	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectinâ€1. Angewandte Chemie, 2019, 131, 18870-18875.	2.0	2
40	Chemical Sensing of Acrolein-Amine Conjugates for Food Quality Control: A Case Study of Milk Products. Bulletin of the Chemical Society of Japan, 2019, 92, 1018-1023.	3.2	6
41	Tetramethylrhodamine is an essential scaffold of azide probe in detecting cellular acrolein. Bioorganic and Medicinal Chemistry, 2019, 27, 2228-2234.	3.0	13
42	Efficient route to RIKEN click probes for glycoconjugation. Journal of Carbohydrate Chemistry, 2019, 38, 127-138.	1.1	7
43	An artificial metalloenzyme biosensor can detect ethylene gas in fruits and Arabidopsis leaves. Nature Communications, 2019, 10, 5746.	12.8	62
44	<i>In vitro</i> and <i>in vivo</i> cancer cell apoptosis triggered by competitive binding of <i>Cinchona</i> alkaloids to the RING domain of TRAF6. Bioscience, Biotechnology and Biochemistry, 2019, 83, 1011-1026.	1.3	8
45	211At-labeled immunoconjugate via a one-pot three-component double click strategy: practical access to α-emission cancer radiotherapeutics. Chemical Science, 2019, 10, 1936-1944.	7.4	25
46	Influence of Glycosylation Pattern on Protein Biodistribution and Kinetics InÂVivo Within Mice. , 2019, , 127-161.		1
47	Cascade Reaction in Human Live Tissue Allows Clinically Applicable Diagnosis of Breast Cancer Morphology. Advanced Science, 2019, 6, 1801479.	11.2	26
48	Structural Biology of Glycans. , 2019, , 35-63.		0
49	Next-generation Glycocluster for Achieving Pattern Recognition in Living System. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 163-172.	0.1	1
50	<i>In Vivo</i> Glycan Pattern Recognition Towards Drug Delivery System and Therapeutic <i>In Vivo</i> Synthetic Chemistry. Trends in Glycoscience and Glycotechnology, 2019, 31, SJ61-SJ62.	0.1	0
51	<i>In Vivo</i> Glycan Pattern Recognition Towards Drug Delivery System and Therapeutic <i>In Vivo</i> Synthetic Chemistry. Trends in Glycoscience and Glycotechnology, 2019, 31, SE61-SE62.	0.1	0
52	Targeting Bacillus cereus cells: increasing efficiency of antimicrobials by the bornylpossessing 2(5Ð) -furanone derivative. New Microbiologica, 2019, 42, 29-36.	0.1	8
53	Convergent Synthesis of a Bisecting <i>N</i> â€Acetylglucosamine (GlcNAc)â€Containing Nâ€Glycan. Chemistry - an Asian Journal, 2018, 13, 1544-1551.	3.3	16
54	Bis[N,N′-(2-indanolyl)]-1,5-diazacyclooctane as Unique Metal Ligand: Self-Assembly of Palladium Nanoparticles and Catalytic Reactivity on C–C Bond Formation. Synthesis, 2018, 50, 1097-1104.	2.3	7

#	Article	IF	CITATIONS
55	A new synthetic route to 5,6,11,12-tetraarylethynyltetracenes. Organic and Biomolecular Chemistry, 2018, 16, 9143-9146.	2.8	4
56	2â€Benzoylpyridine Ligand Complexation with Gold Critical for Propargyl Esterâ€Based Protein Labeling. Chemistry - A European Journal, 2018, 24, 10595-10600.	3.3	25
57	A viable strategy for screening the effects of glycan heterogeneity on target organ adhesion and biodistribution in live mice. Chemical Communications, 2018, 54, 8693-8696.	4.1	26
58	Expanding the Applicability of the Metal Labeling of Biomolecules by the RIKEN Click Reaction: A Case Study with Galliumâ€68 Positron Emission Tomography. ChemBioChem, 2018, 19, 2055-2060.	2.6	7
59	Frontispiece: 2-Benzoylpyridine Ligand Complexation with Gold Critical for Propargyl Ester-Based Protein Labeling. Chemistry - A European Journal, 2018, 24, .	3.3	0
60	Branched Sialylated <i>N</i> -glycans Are Accumulated in Brain Synaptosomes and Interact with Siglec-H. Cell Structure and Function, 2018, 43, 141-152.	1.1	13
61	Cycloaddition Reactions of N-Alkyl-α,β-unsaturated Imines: Facile Preparation of Azaheterocycles for Synthesis and Biological Applications. Heterocycles, 2018, 97, 668.	0.7	5
62	Inâ€Vivo Gold Complex Catalysis within Live Mice. Angewandte Chemie, 2017, 129, 3633-3638.	2.0	25
63	Cinchonine induces apoptosis of HeLa and A549 cells through targeting TRAF6. Journal of Experimental and Clinical Cancer Research, 2017, 36, 35.	8.6	25
64	Inâ€Vivo Gold Complex Catalysis within Live Mice. Angewandte Chemie - International Edition, 2017, 56, 3579-3584.	13.8	129
65	Highly reactive "RIKEN click―probe for glycoconjugation on lysines. Tetrahedron Letters, 2017, 58, 1929-1933.	1.4	17
66	Reactivity of anti-HNK-1 antibodies to branched O- mannose glycans associated with demyelination. Biochemical and Biophysical Research Communications, 2017, 487, 450-456.	2.1	12
67	Cancer cell targeting driven by selective polyamine reactivity with glycine propargyl esters. Chemical Communications, 2017, 53, 8403-8406.	4.1	11
68	Bio-inspired Domino Reduction of Nitroarenes by Acrolein–Amine Conjugates in One-pot Operation. Chemistry Letters, 2017, 46, 811-813.	1.3	0
69	Sequential Double "Clicks―toward Structurally Wellâ€Defined Heterogeneous <i>N</i> â€Glycoclusters: The Importance of Cluster Heterogeneity on Pattern Recognition In Vivo. Advanced Science, 2017, 4, 1600394.	11.2	30
70	Simple Gd3+-Neu5NAc complexation results in NMR chemical shift asymmetries of structurally equivalent complex-type N-glycan branches. Analyst, The, 2017, 142, 2897-2900.	3.5	2
71	Effect of spermine-derived AGEs on oxidative stress and polyamine metabolism. Organic and Biomolecular Chemistry, 2017, 15, 6720-6724.	2.8	3
72	Rücktitelbild: Inâ€Vivo Gold Complex Catalysis within Live Mice (Angew. Chem. 13/2017). Angewandte Chemie, 2017, 129, 3778-3778.	2.0	0

#	Article	IF	CITATIONS
73	In Situ Ligation of High―and Lowâ€Affinity Ligands to Cell Surface Receptors Enables Highly Selective Recognition. Advanced Science, 2017, 4, 1700147.	11.2	9
74	A One-Pot Three-Component Double-Click Method for Synthesis of [67Cu]-Labeled Biomolecular Radiotherapeutics. Scientific Reports, 2017, 7, 1912.	3.3	25
75	Cell Imaging: In Situ Ligation of High- and Low-Affinity Ligands to Cell Surface Receptors Enables Highly Selective Recognition (Adv. Sci. 11/2017). Advanced Science, 2017, 4, .	11.2	0
76	Uncatalyzed Click Reaction between Phenyl Azides and Acrolein: 4-Formyl-1,2,3-Triazolines as "Clicked― Markers for Visualizations of Extracellular Acrolein Released from Oxidatively Stressed Cells. ACS Sensors, 2016, 1, 623-632.	7.8	25
77	Glycan multivalency effects toward albumin enable N-glycan-dependent tumor targeting. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2251-2254.	2.2	32
78	Progress in the Development of Reaction-Based Sensors for Detection of Acrolein in Biological Samples. BioNanoScience, 2016, 6, 473-479.	3.5	3
79	Unrecognized Cycloaddition Reactions of N-Alkyl-α,β-Unsaturated Imines Occurring in Biosystems and Their Biological Roles. BioNanoScience, 2016, 6, 364-367.	3.5	2
80	Oneâ€Pot Evolution of Ageladineâ€A through a Bioâ€Inspired Cascade towards Selective Modulators of Neuronal Differentiation. Chemistry - A European Journal, 2016, 22, 14707-14716.	3.3	13
81	Unexplored Reactivity of <i>N</i> -Alkyl Unsaturated Imines: A Simple Procedure for Producing Optically Active 1,3-Diamines via a Stereocontrolled Formal [4+2] and [4+2+2] Iminocycloaddition. Bulletin of the Chemical Society of Japan, 2016, 89, 337-345.	3.2	20
82	1,5â€Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloidâ€∢i>β(1â€40) Fibrillization. Advanced Science, 2016, 3, 1600082.	11.2	16
83	Propargylâ€Assisted Selective Amidation Applied in Câ€ŧerminal Glycine Peptide Conjugation. Chemistry - A European Journal, 2016, 22, 18865-18872.	3.3	17
84	Chemical Synthesis of a Complex-Type <i>N</i> -Glycan Containing a Core Fucose. Journal of Organic Chemistry, 2016, 81, 10600-10616.	3.2	49
85	Oxidative Stress: 1,5-Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloid-β (1-40) Fibrillization (Adv. Sci. 10/2016). Advanced Science, 2016, 3, .	11.2	0
86	A Reduction-Based Sensor for Acrolein Conjugates with the Inexpensive Nitrobenzene as an Alternative to Monoclonal Antibody. Scientific Reports, 2016, 6, 35872.	3.3	8
87	Visualizing Trimming Dependence of Biodistribution and Kinetics with Homo- and Heterogeneous N-Glycoclusters on Fluorescent Albumin. Scientific Reports, 2016, 6, 21797.	3.3	52
88	Chemically synthesized glycoconjugates on proteins: effects of multivalency and glycoform in vivo. Organic and Biomolecular Chemistry, 2016, 14, 7610-7621.	2.8	26
89	Efficient Synthesis of the Disialylated Tetrasaccharide Motif in Nâ€Clycans through an Amideâ€Protection Strategy. Chemistry - an Asian Journal, 2016, 11, 1436-1440	3.3	19
90	Exploring the glycan interaction in vivo: Future prospects of neo-glycoproteins for diagnostics. Glycobiology, 2016, 26, 804-812.	2.5	6

#	Article	IF	CITATIONS
91	In vivo imaging of advanced glycation end products (AGEs) of albumin: first observations of significantly reduced clearance and liver deposition properties in mice. Organic and Biomolecular Chemistry, 2016, 14, 5755-5760.	2.8	4
92	Unrecognized Reactivity of N-Alkyl Unsaturated Imines: Synthetic Application and Biological Functions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 700-709.	0.1	4
93	P1-068: How and where is app modified with o-glycans?. , 2015, 11, P364-P364.		0
94	Azaelectrocyclization on cell surface: convenient and general approach to chemical biology research. Tetrahedron, 2015, 71, 4518-4521.	1.9	12
95	Cell surface and in vivo interaction of dendrimeric N-glycoclusters. Glycoconjugate Journal, 2015, 32, 497-503.	2.7	6
96	Exclusive formation of imino[4 + 4]cycloaddition products with biologically relevant amines: plausible candidates for acrolein biomarkers and biofunctional modulators. MedChemComm, 2015, 6, 431-436.	3.4	20
97	Chemical Glycan Conjugation Controls the Biodistribution and Kinetics of Proteins in Live Animals. Mini-Reviews in Medicinal Chemistry, 2015, 14, 1072-1077.	2.4	7
98	PET Imaging of Glycoconjugates. , 2015, , 485-490.		0
99	Microfluidic Mixing of Polyamine with Acrolein Enables the Detection of the [4+4] Polymerization of Intermediary Unsaturated Imines: The Properties of a Cytotoxic 1,5-Diazacyclooctane Hydrogel. Synlett, 2014, 25, 2442-2446.	1.8	14
100	Direct Guanylation of Amino Groups by Cyanamide in Water: Catalytic Generation and Activation of Unsubstituted Carbodiimide by Scandium(III) Triflate. Synlett, 2014, 25, 1302-1306.	1.8	22
101	Chemical Approach to a Whole Body Imaging of Sialo-N-Linked Glycans. Topics in Current Chemistry, 2014, 367, 201-230.	4.0	0
102	Facile Preparation of 1,5-Diazacyclooctanes from Unsaturated Imines: Effects of the Hydroxyl Groups on [4+4] Dimerization. Synlett, 2014, 25, 1026-1030.	1.8	18
103	Imino [4+4] cycloaddition products as exclusive and biologically relevant acrolein-amine conjugates are intermediates of 3-formyl-3,4-dehydropiperidine (FDP), an acrolein biomarker. Bioorganic and Medicinal Chemistry, 2014, 22, 6380-6386.	3.0	15
104	Practical and Efficient Method for α-Sialylation with an Azide Sialyl Donor Using a Microreactor. Journal of Carbohydrate Chemistry, 2014, 33, 55-67.	1.1	23
105	Interaction of Platelet Endothelial Cell Adhesion Molecule (PECAM) with α2,6-Sialylated Glycan Regulates Its Cell Surface Residency and Anti-apoptotic Role. Journal of Biological Chemistry, 2014, 289, 27604-27613.	3.4	27
106	A cascading reaction sequence involving ligand-directed azaelectrocyclization and autooxidation-induced fluorescence recovery enables visualization of target proteins on the surfaces of live cells. Organic and Biomolecular Chemistry, 2014, 12, 1412-1418.	2.8	10
107	In vivo kinetics and biodistribution analysis of neoglycoproteins: effects of chemically introduced glycans on proteins. Glycoconjugate Journal, 2014, 31, 273-279.	2.7	8
108	Polyamine modification by acrolein exclusively produces 1,5-diazacyclooctanes: a previously unrecognized mechanism for acrolein-mediated oxidative stress. Organic and Biomolecular Chemistry, 2014, 12, 5151-5157.	2.8	19

#	Article	IF	CITATIONS
109	Metal-Catalized Organic Reaction in Live Cells: Future Prospect of Time- and Space-Selective Glycan Conjugation In Live Systems. Trends in Glycoscience and Glycotechnology, 2014, 26, 73-75.	0.1	Ο
110	2,6,9-Triazabicyclo[3.3.1]nonanes as overlooked amino-modification products by acrolein. Organic and Biomolecular Chemistry, 2013, 11, 7208.	2.8	15
111	Cytotoxic Activity of Ursolic Acid Derivatives Obtained by Isolation and Oxidative Derivatization. Molecules, 2013, 18, 8929-8944.	3.8	37
112	Development of bis-unsaturated ester aldehydes as amino-glue probes: sequential double azaelectrocyclization as a promising strategy for bioconjugation. Organic and Biomolecular Chemistry, 2013, 11, 7326.	2.8	24
113	Whole-body imaging of tumor cells by azaelectrocyclization: Visualization of metastasis dependence on glycan structure. Bioorganic and Medicinal Chemistry, 2013, 21, 1074-1077.	3.0	14
114	A conformationally fixed analog of the peptide mimic Grb2–SH2 domain: synthesis and evaluation against the A431 cancer cell. Molecular BioSystems, 2013, 9, 1019.	2.9	5
115	SYNTHESIS OF 3,7,9- AND 2,6,9-TRIAZABICYCLO[3.3.1]NONANE DERIVATIVES. Heterocycles, 2013, 87, 2001.	0.7	18
116	Stereocontrolled Synthesis of Substituted Chiral Piperidines viaOne-Pot Asymmetric 6l€-Azaelectrocyclization: Asymmetric Syntheses of(â^)-Dendroprimine, (+)-7-Epidendroprimine, (+)-5-Epidendroprimine, and (+)-5,7-Epidendroprimine. Journal of Organic Chemistry, 2012, 77, 1812-1832.	3.2	25
117	Bio-imaging and cancer targeting with glycoproteins and N-glycans. Current Opinion in Chemical Biology, 2012, 16, 614-621.	6.1	20
118	Template-Assisted and Self-Activating Clicked Peptide as a Synthetic Mimic of the SH2 Domain. ACS Chemical Biology, 2012, 7, 637-645.	3.4	7
119	Efficient synthesis of 2,6,9-triazabicyclo[3.3.1]nonanes through amine-mediated formal [4+4] reaction of unsaturated imines. Tetrahedron Letters, 2012, 53, 5899-5902.	1.4	19
120	Cell surface biotinylation by azaelectrocyclization: Easy-handling and versatile approach for living cell labeling. Bioorganic and Medicinal Chemistry, 2012, 20, 1865-1868.	3.0	21
121	Auxiliary-directed oxidation of ursolic acid by â€~Ru'-porphyrins: chemical modulation of cytotoxicity against tumor cell lines. Tetrahedron Letters, 2012, 53, 1756-1759.	1.4	14
122	Discovery and application of 6ï€-azaelectrocyclization to natural product synthesis and synthetic biology. Science China Chemistry, 2012, 55, 19-30.	8.2	10
123	Synthesis of Bacterial Glycoconjugates and Their Bio-functional Studies in Innate Immunity. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2012, 70, 113-130.	0.1	11
124	Development of Azaelectrocyclization-Based Labeling and Application to Noninvasive Imaging and Targeting Using <l>N</l> -Glycan Derivatives—In Pursuit of <l>N</l> -Glycan Functions on Proteins, Dendrimers, and Living Cells—. Trends in Glycoscience and Glycotechnology, 2012, 24, 47-64.	0.1	2
125	Target-selective fluorescent "switch-on―protein labeling by 6ï€-azaelectrocyclization. Organic and Biomolecular Chemistry, 2011, 9, 5346.	2.8	18
126	Reinvestigation of the C5-acetamide sialic acid donor for α-selective sialylation: practical procedure under microfluidic conditions. Organic and Biomolecular Chemistry, 2011, 9, 7243.	2.8	35

#	Article	IF	CITATIONS
127	Ursolic acid derivatives from Bangladeshi medicinal plant, Saurauja roxburghii: Isolation and cytotoxic activity against A431 and C6 glioma cell lines. Phytochemistry Letters, 2011, 4, 287-291.	1.2	21
128	Exploring a Unique Reactivity of 6Ï€-Azaelectrocyclization to Enzyme Inhibition, Natural Products Synthesis, and Molecular Imaging: An Approach to Chemical Biology by Synthetic Chemists. Synlett, 2011, 2011, 2115-2139.	1.8	72
129	Heterogeneity Effects of Glycan Clusters on Microarrays and Dendrimers. Trends in Glycoscience and Glycotechnology, 2011, 23, 155-157.	0.1	1
130	Exploring A Unique Reactivity of 6π-Azaelectrocyclization: Discovery and Application to Natural Products Synthesis and Synthetic Chemical Biology. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2011, 69, 1389-1401.	0.1	2
131	Electrocyclizationâ€Based Labeling Allows Efficient In Vivo Imaging of Cellular Trafficking. ChemMedChem, 2010, 5, 841-845.	3.2	27
132	Noninvasive Imaging of Dendrimerâ€Type Nâ€Glycan Clusters: In Vivo Dynamics Dependence on Oligosaccharide Structure. Angewandte Chemie - International Edition, 2010, 49, 8195-8200.	13.8	100
133	Probe design and synthesis of Galβ(1→3)[NeuAcα(2→6)]GlcNAcβ(1→2)Man motif of N-glycan. Bioorganic and Medicinal Chemistry, 2010, 18, 3760-3766.	^d 3.0	8
134	New strategy in synthetic biology: from enzyme inhibition and natural products synthesis to PET imaging by 6l€â€azaelectrocyclization. Chemical Record, 2010, 10, 119-139.	5.8	20
135	Self and Nonself Recognition with Bacterial and Animal Glycans, Surveys by Synthetic Chemistry. Methods in Enzymology, 2010, 478, 323-342.	1.0	6
136	A Combined 6Ï€-Azaelectrocyclization/Staudinger Approach to Protein and Cell Engineering: Noninvasive Tumor Targeting by <i>N</i> -Glycan-Engineered Lymphocytes. Journal of Carbohydrate Chemistry, 2010, 29, 118-132.	1.1	32
137	A New Paradigm for Practical Synthesis of Biofunctional Natural Products: Renaissance of Traditional Organic Reactions under Microfluidic Conditions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 124-135.	0.1	10
138	Asymmetric Synthesis of 14C-labeled L-Propargylglycine. Radioisotopes, 2010, 59, 721-726.	0.2	0
139	In Vivo Imaging of Chemically Engineered Proteins and Cells by Oligosaccharides. Trends in Glycoscience and Glycotechnology, 2010, 22, 48-50.	0.1	0
140	Acid-mediated reactions under microfluidic conditions: A new strategy for practical synthesis of biofunctional natural products. Beilstein Journal of Organic Chemistry, 2009, 5, 40.	2.2	20
141	Practical Synthesis of a Manl²(1-4)GlcNTroc Fragment via Microfluidic l²-Mannosylation. Journal of Carbohydrate Chemistry, 2009, 28, 1-11.	1.1	43
142	Chemical N-Glycosylation by Asparagine under Integrated Microfluidic/Batch Conditions. Synlett, 2009, 2009, 1571-1574.	1.8	19
143	Synthesis of a Sialic Acid Containing Complexâ€Type <i>N</i> â€Glycan on a Solid Support. Chemistry - an Asian Journal, 2009, 4, 574-580.	3.3	47
144	Libraryâ€directed Solution―and Solidâ€phase Synthesis of 2,4â€Disubstituted Pyridines: Oneâ€pot Approach through 6 πâ€Azaelectrocyclization. Chemistry - an Asian Journal, 2009, 4, 1573-1577.	3.3	22

#	Article	IF	CITATIONS
145	Renaissance of Traditional Organic Reactions under Microfluidic Conditions: A New Paradigm for Natural Products Synthesis. Organic Process Research and Development, 2009, 13, 983-990.	2.7	43
146	Siteâ€Selective and Nondestructive Protein Labeling through Azaelectrocyclizationâ€Induced Cascade Reactions. ChemBioChem, 2008, 9, 2392-2397.	2.6	42
147	A Submicrogramâ€Scale Protocol for Biomoleculeâ€Based PET Imaging by Rapid 6Ï€â€Azaelectrocyclization: Visualization of Sialic Acid Dependent Circulatory Residence of Glycoproteins. Angewandte Chemie - International Edition, 2008, 47, 102-105.	13.8	114
148	Efficient aldol condensation in aqueous biphasic system under microfluidic conditions. Tetrahedron Letters, 2008, 49, 2010-2012.	1.4	24
149	Combinatorial Methods in Oligosaccharide Synthesis. , 2008, , 1205-1240.		3
150	Polymer-Supported and Tag-Assisted Methods in Oligosaccharide Synthesis. , 2008, , 1241-1277.		3
151	PET (positron emission tomography) imaging of biomolecules using metal–DOTA complexes: a new collaborative challenge by chemists, biologists, and physicians for future diagnostics and exploration of in vivo dynamics. Organic and Biomolecular Chemistry, 2008, 6, 815.	2.8	111
152	Recent Advances in Positron Emission Tomography (PET) Imaging of Biomolecules: From Chemical Labeling to Cancer Diagnostics. Mini-Reviews in Organic Chemistry, 2008, 5, 153-162.	1.3	26
153	Efficient Synthesis of Oligosaccharides and Synthesis of Pathogen-Associated Molecular Patterns for Their Biofunctional Studies. , 2008, , 200-205.		0
154	Efficient Procedure for Reductive Opening of Sugar 4,6-O-Benzylidene Acetals in a Microfluidic System. Synlett, 2007, 2007, 0164-0166.	1.8	8
155	Synthesis of CD3-Labeled 11- <i>cis</i> -Retinals and Application to Solid-State Deuterium NMR Spectroscopy of Rhodopsin. Bulletin of the Chemical Society of Japan, 2007, 80, 2177-2184.	3.2	13
156	Structural Analysis and Dynamics of Retinal Chromophore in Dark and Meta I States of Rhodopsin from 2H NMR of Aligned Membranes. Journal of Molecular Biology, 2007, 372, 50-66.	4.2	60
157	Large-Scale Synthesis of Immunoactivating Natural Product, Pristane, by Continuous Microfluidic Dehydration as the Key Step. Organic Letters, 2007, 9, 299-302.	4.6	105
158	Highly Efficient αâ€Sialylation by Virtue of Fixed Dipole Effects of <i>N</i> â€Phthalyl Group: Application to Continuous Flow Synthesis of α(2â€3)â€and α(2â€6)â€Neu5Acâ€Gal Motifs by Microreactor. Journal of Carbohydrate Chemistry, 2007, 26, 369-394.	1.1	59
159	Determination of the absolute configurations of flexible molecules: Synthesis and theoretical simulation of electronic circular dichroism/optical rotation of some pyrrolo[2,3-b]indoline alkaloids—A case study. Chirality, 2007, 19, 434-445.	2.6	40
160	Acceleration of Cu(I)-mediated Huisgen 1,3-dipolar cycloaddition by histidine derivatives. Tetrahedron Letters, 2007, 48, 6475-6479.	1.4	59
161	Synthesis of 2,4,6-Trisubstituted Chiral Piperidines and (â^')-Dendroprimine by One-Pot Asymmetric Azaelectrocyclization Protocol. Organic Letters, 2006, 8, 3813-3816.	4.6	54
162	Development of a One-Pot Asymmetric Azaelectrocyclization Protocol:  Synthesis of Chiral 2,4-Disubstituted 1,2,5,6-Tetrahydropyridines. Organic Letters, 2006, 8, 3809-3812.	4.6	56

#	Article	IF	CITATIONS
163	Solid-State2H NMR Structure of Retinal in Metarhodopsin I. Journal of the American Chemical Society, 2006, 128, 11067-11071.	13.7	43
164	Unique Reactivity of α-Alkoxy Ginkgolide Lactones to Nucleophilic Reagents: Preparation of New Lactol Derivatives. Bulletin of the Chemical Society of Japan, 2005, 78, 1843-1850.	3.2	6
165	Theoretical simulation of the electronic circular dichroism spectrum of calicheamicin. Bioorganic and Medicinal Chemistry, 2005, 13, 5072-5079.	3.0	39
166	Preparation of ginkgolide and F-seco-ginkgolide lactols: the unique reactivity of α-hydroxy lactones toward NaBH4. Tetrahedron Letters, 2005, 46, 531-534.	1.4	10
167	Development of Highly Stereoselective Asymmetric 6i€-Azaelectrocyclization of Conformationally Flexible Linear 1-Azatrienes. From Determination of Multifunctional Chiral Amines, 7-Alkyl cis-1-Amino-2-indanols, to Application as a New Synthetic Strategy: Formal Synthesis of 20-Epiuleine ChemInform, 2005, 36, no.	0.0	0
168	Development of Rapid 6Ï€-Azaelectrocyclization Learning from the Enzyme Inhibitory Mechanism. ChemInform, 2005, 36, no.	0.0	0
169	Fluorescence Detected Exciton Coupled Circular Dichroism: Development of New Fluorescent Reporter Groups for Structural Studies. Monatshefte Für Chemie, 2005, 136, 367-395.	1.8	36
170	Oligosaccharide Synthesis by Affinity Separation Based on Molecular Recognition between Podand Ether and Ammonium Ion. Synlett, 2005, 2005, 2342-2346.	1.8	32
171	Highly β-Selective Mannosylation towards Manβ1-4GlcNAc Synthesis: TMSB(C6F5)4as a Lewis Acid/Cation Trap Catalyst. Synlett, 2005, 2005, 2325-2328.	1.8	13
172	Highly Efficient Sialylation towards α(2-3)- and α(2-6)-Neu5Ac-Gal Synthesis: Significant â€~Fixed Dipole Effect' of N-Phthalyl Group on α-Selectivity. Synlett, 2005, 2005, 2958-2962.	1.8	25
173	Development of a Universal Ellipsoidal Mirror Device for Fluorescence Detected Circular Dichroism: Elimination of Polarization Artifacts. Applied Spectroscopy, 2005, 59, 121-125.	2.2	21
174	Determination of the Absolute Configuration of Flexible Molecules byab InitioORD Calculations:Â A Case Study with Cytoxazones and Isocytoxazones. Journal of Organic Chemistry, 2005, 70, 6557-6563.	3.2	50
175	Three Challenges toward the Assignment of Absolute Configuration of Gymnocin-B. Journal of the American Chemical Society, 2005, 127, 9561-9570.	13.7	53
176	Development of Rapid 6.PlAzaelectrocyclization Learning from the Enzyme Inhibitory Mechanism. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2005, 63, 696-708.	0.1	5
177	Synthesis of new chiral auxiliaries for 6ï€-azaelectrocyclization: 4- and 7-alkyl substituted cis-1-amino-2-indanols. Tetrahedron: Asymmetry, 2004, 15, 185-188.	1.8	29
178	chemical/exciton chirality protocolElectronic supplementary information (ESI) available: Relative energies and relevant geometrical parameters of DFT-optimized structures of sty-2 and sty-5 (Table) Tj ETQq0 0	0 rgBT /O	verlock 10 Tf
179	procedure for. Organic and Biomolecular Chemistry, 2004, 2, 48. Deuterium NMR Structure of Retinal in the Ground State of Rhodopsin. Biochemistry, 2004, 43, 12819-12828.	2.5	63
180	Development of Highly Stereoselective Asymmetric 6ĩ€-Azaelectrocyclization of Conformationally Flexible Linear 1-Azatrienes. From Determination of Multifunctional Chiral Amines, 7-Alkylcis-1-Amino-2-indanols, to Application as a New Synthetic Strategy:A Formal Synthesis of	3.2	93

7-Alkylcis-1-Amino-2-indanols, to Application as a New Synthetic St 20-Epiuleine. Journal of Organic Chemistry, 2004, 69, 5906-5925.

#	Article	IF	CITATIONS
181	Development of New Wittig Reagent, Silylfuranmethylid, and Its Reactivity ChemInform, 2003, 34, no.	0.0	0
182	Development of new Wittig reagent, silylfuranmethylid, and its reactivity. Tetrahedron, 2003, 59, 4945-4952.	1.9	10
183	Absolute Stereochemistry of Allylic Alcohols, Amines, and Other Ene Moieties:Â A Microscale Cross Metathesis/Exciton Chirality Protocol. Journal of the American Chemical Society, 2003, 125, 10802-10803.	13.7	29
184	Highly Stereoselective Asymmetric 6ï€-Azaelectrocyclization Utilizing the Novel 7-Alkyl Substitutedcis-1-Amino-2-indanols:Â Formal Synthesis of 20-Epiuleine. Journal of the American Chemical Society, 2002, 124, 9660-9661.	13.7	101
185	Significant Acceleration of 6ï€-Azaelectrocyclization Resulting from a Remarkable Substituent Effect and Formal Synthesis of the Ocular Age Pigment A2-E by a New Method for Substituted Pyridine Synthesis. Journal of Organic Chemistry, 2001, 66, 3099-3110.	3.2	122
186	Novel Synthesis of the Ocular Age Pigment A2-E:  New Method for Substituted Pyridine Synthesis via Azaelectrocyclization. Organic Letters, 2000, 2, 373-375.	4.6	60
187	First synthesis of (â^')-spongianolide A and determination of its absolute structure. Tetrahedron Letters, 1999, 40, 1731-1734.	1.4	26
188	The inhibitory mechanism of bovine pancreatic phospholipase A2 by aldehyde terpenoids. Tetrahedron, 1999, 55, 1657-1686.	1.9	60
189	The Inhibitory Mechanism of Phospholipase A2 by Aldehyde Terpenoids Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1999, 57, 876-887.	0.1	16
190	Synthesis of a new phospholipase A2inhibitor of an aldehyde terpenoid and its possible inhibitory mechanism. Tetrahedron Letters, 1998, 39, 1185-1188.	1.4	42