

Katsunori Tanaka

List of Publications by Year in descending order

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Version: 2024-02-01

190
papers

4,207
citations

109137

35
h-index

168136

53
g-index

225
all docs

225
docs citations

225
times ranked

3177
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic prodrug design enables biocatalytic activation in mice to elicit tumor growth suppression. <i>Nature Communications</i> , 2022, 13, 39.	5.8	34
2	The Second-Generation Click-to-Sense Probe for Intraoperative Diagnosis of Breast Cancer Tissues Based on Acrolein Targeting. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 421-426.	2.0	5
3	Homo- and Heterogeneous Glycoconjugates on the Basis of N-Glycans and Human Serum Albumin: Synthesis and Biological Evaluation. <i>Molecules</i> , 2022, 27, 1285.	1.7	2
4	Comparison of "click-to-sense" assay with frozen section analysis using simulated surgical margins in breast cancer patients. <i>European Journal of Surgical Oncology</i> , 2022, 48, 1520-1526.	0.5	1
5	Exploring and Adapting the Molecular Selectivity of Artificial Metalloenzymes. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 382-396.	2.0	14
6	Epoc group: transformable protecting group with gold(iii)-catalyzed fluorene formation. <i>Chemical Science</i> , 2021, 12, 10703-10709.	3.7	4
7	Biofunctional chemistry and reactivity of biogenic acrolein for cancer diagnosis and therapy. <i>Chemical Communications</i> , 2021, 57, 9798-9806.	2.2	4
8	Targeted 1,3-dipolar cycloaddition with acrolein for cancer prodrug activation. <i>Chemical Science</i> , 2021, 12, 5438-5449.	3.7	13
9	<i>In vivo</i> metal-catalyzed SeCT therapy by a proapoptotic peptide. <i>Chemical Science</i> , 2021, 12, 12266-12273.	3.7	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. <i>Chemical Record</i> , 2021, 21, 646-662.	2.9	4
12	Disrupting tumor onset and growth via selective cell tagging (SeCT) therapy. <i>Science Advances</i> , 2021, 7, .	4.7	17
13	Prodrug Activation by Gold Artificial Metalloenzyme-Catalyzed Synthesis of Phenanthridinium Derivatives via Hydroamination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12446-12454.	7.2	39
14	Prodrug Activation by Gold Artificial Metalloenzyme-Catalyzed Synthesis of Phenanthridinium Derivatives via Hydroamination. <i>Angewandte Chemie</i> , 2021, 133, 12554-12562.	1.6	14
15	<i>Abstract</i> : Prodrug Activation by Gold Artificial Metalloenzyme-Catalyzed Synthesis of Phenanthridinium Derivatives via Hydroamination (<i>Angew. Chem.</i> 22/2021). <i>Angewandte Chemie</i> , 2021, 133, 12716-12716.	1.6	0
16	Importance of local glycan heterogeneity for in vivo cancer targeting. <i>Tetrahedron Letters</i> , 2021, 72, 153089.	0.7	2
17	Toward Development of Practical Cancer Diagnostic and Therapeutic Molecule-Development of Efficient Click Reaction-Based Labeling Method and Radiotheranostics-. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 673-683.	0.0	0
18	Biomolecular labeling based on lysine-clickable 6'-azaelectrocyclization toward innovative cancer theranostics. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 42, 116238.	1.4	4

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19	Inhibition of amyloid formation of amyloid β (1-42), amylin and insulin by 1,5-diazacyclooctanes, a spermine-acrolein conjugate. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116391.	1.4	3
20	In vivo organic synthesis by metal catalysts. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116353.	1.4	16
21	Identification of difructose dianhydride I synthase/hydrolase from an oral bacterium establishes a novel glycoside hydrolase family. <i>Journal of Biological Chemistry</i> , 2021, 297, 101324.	1.6	13
22	A Strategy for Tumor Targeting by Higher-Order Glycan Pattern Recognition: Synthesis and In Vitro and In Vivo Properties of Glycoalbumins Conjugated with Four Different N -Glycan Molecules. <i>Small</i> , 2020, 16, e2004831.	5.2	14
23	Concise and Reliable Syntheses of Glycodendrimers via Self-Activating Click Chemistry: A Robust Strategy for Mimicking Multivalent Glycan-Pathogen Interactions. <i>Journal of Organic Chemistry</i> , 2020, 85, 16014-16023.	1.7	9
24	The Journey to In Vivo Synthetic Chemistry: From Azaelectrocyclization to Artificial Metalloenzymes. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1275-1286.	2.0	12
25	Disease-associated acrolein: A possible diagnostic and therapeutic substrate for in vivo synthetic chemistry. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115831.	1.4	11
26	Bioorthogonal release of anticancer drugs <i>via</i> gold-triggered 2-alkynylbenzamide cyclization. <i>Chemical Science</i> , 2020, 11, 10928-10933.	3.7	38
27	Tumor Targeting: A Strategy for Tumor Targeting by Higher-Order Glycan Pattern Recognition: Synthesis and In Vitro and In Vivo Properties of Glycoalbumins Conjugated with Four Different N -Glycan Molecules (<i>Small</i> 46/2020). <i>Small</i> , 2020, 16, 2070253.	5.2	0
28	Exploration of the Fluoride Reactivity of Aryltrifluoroborate on Selective Cleavage of Diphenylmethylsilyl Groups. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4616-4620.	1.2	4
29	Cancer discrimination by on-cell N -glycan ligation. <i>Communications Chemistry</i> , 2020, 3, .	2.0	4
30	Emerging Technologies for Real-time Intraoperative Margin Assessment in Future Breast-conserving Surgery. <i>Advanced Science</i> , 2020, 7, 1901519.	5.6	65
31	Enantioselective synthesis of cyclic and linear diamines by imine cycloadditions. <i>Chirality</i> , 2020, 32, 1160-1168.	1.3	4
32	Artificial Glycoproteins as a Scaffold for Targeted Drug Therapy. <i>Small</i> , 2020, 16, e1906890.	5.2	22
33	Unlocking the therapeutic potential of artificial metalloenzymes. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2020, 96, 79-94.	1.6	12
34	Efficient Synthesis of Marine Alkaloid Ageladine A and its Structural Modification for Exploring New Biological Activity. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2020, 78, 51-59.	0.0	2
35	Methods for Acrolein Detection: Recent Advances and Applications. <i>Journal of the Indonesian Chemical Society</i> , 2020, 3, 73.	0.3	0
36	Facile Access to Optically Active 2,6-Dialkyl-1,5-Diazacyclooctanes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4048-4054.	1.7	4

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37	Biocompatibility and therapeutic potential of glycosylated albumin artificial metalloenzymes. <i>Nature Catalysis</i> , 2019, 2, 780-792.	16.1	110
38	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18697-18702.	7.2	29
39	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie</i> , 2019, 131, 18870-18875.	1.6	2
40	Chemical Sensing of Acrolein-Amine Conjugates for Food Quality Control: A Case Study of Milk Products. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1018-1023.	2.0	6
41	Tetramethylrhodamine is an essential scaffold of azide probe in detecting cellular acrolein. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2228-2234.	1.4	13
42	Efficient route to RIKEN click probes for glycoconjugation. <i>Journal of Carbohydrate Chemistry</i> , 2019, 38, 127-138.	0.4	7
43	An artificial metalloenzyme biosensor can detect ethylene gas in fruits and Arabidopsis leaves. <i>Nature Communications</i> , 2019, 10, 5746.	5.8	62
44	<i>In vitro</i> and <i>in vivo</i> cancer cell apoptosis triggered by competitive binding of Cinchona alkaloids to the RING domain of TRAF6. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1011-1026.	0.6	8
45	²¹¹ At-labeled immunoconjugate via a one-pot three-component double click strategy: practical access to β -emission cancer radiotherapeutics. <i>Chemical Science</i> , 2019, 10, 1936-1944.	3.7	25
46	Influence of Glycosylation Pattern on Protein Biodistribution and Kinetics <i>In Vivo</i> Within Mice. , 2019, , 127-161.		1
47	Cascade Reaction in Human Live Tissue Allows Clinically Applicable Diagnosis of Breast Cancer Morphology. <i>Advanced Science</i> , 2019, 6, 1801479.	5.6	26
48	Structural Biology of Glycans. , 2019, , 35-63.		0
49	Next-generation Glycocluster for Achieving Pattern Recognition in Living System. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 163-172.	0.0	1
50	<i>In Vivo</i> Glycan Pattern Recognition Towards Drug Delivery System and Therapeutic <i>In Vivo</i> Synthetic Chemistry. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SJ61-SJ62.	0.0	0
51	<i>In Vivo</i> Glycan Pattern Recognition Towards Drug Delivery System and Therapeutic <i>In Vivo</i> Synthetic Chemistry. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SE61-SE62.	0.0	0
52	Targeting <i>Bacillus cereus</i> cells: increasing efficiency of antimicrobials by the bornylpossessing 2(5D)-furanone derivative. <i>New Microbiologica</i> , 2019, 42, 29-36.	0.1	8
53	Convergent Synthesis of a Bisecting <i>N</i> -Acetylglucosamine (GlcNAc)-Containing Glycan. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1544-1551.	1.7	16
54	Bis[N,N ² -(2-indanoly)]-1,5-diazacyclooctane as Unique Metal Ligand: Self-Assembly of Palladium Nanoparticles and Catalytic Reactivity on C=C Bond Formation. <i>Synthesis</i> , 2018, 50, 1097-1104.	1.2	7

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55	A new synthetic route to 5,6,11,12-tetraarylethynyltetracenes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9143-9146.	1.5	4
56	2-Benzoylpyridine Ligand Complexation with Gold Critical for Propargyl Ester-Based Protein Labeling. <i>Chemistry - A European Journal</i> , 2018, 24, 10595-10600.	1.7	25
57	A viable strategy for screening the effects of glycan heterogeneity on target organ adhesion and biodistribution in live mice. <i>Chemical Communications</i> , 2018, 54, 8693-8696.	2.2	26
58	Expanding the Applicability of the Metal Labeling of Biomolecules by the RIKEN Click Reaction: A Case Study with Gallium-68 Positron Emission Tomography. <i>ChemBioChem</i> , 2018, 19, 2055-2060.	1.3	7
59	Frontispiece: 2-Benzoylpyridine Ligand Complexation with Gold Critical for Propargyl Ester-Based Protein Labeling. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
60	Branched Sialylated N-glycans Are Accumulated in Brain Synaptosomes and Interact with Siglec-H. <i>Cell Structure and Function</i> , 2018, 43, 141-152.	0.5	13
61	Cycloaddition Reactions of N-Alkyl- β -unsaturated Imines: Facile Preparation of Azaheterocycles for Synthesis and Biological Applications. <i>Heterocycles</i> , 2018, 97, 668.	0.4	5
62	In Vivo Gold Complex Catalysis within Live Mice. <i>Angewandte Chemie</i> , 2017, 129, 3633-3638.	1.6	25
63	Cinchonine induces apoptosis of HeLa and A549 cells through targeting TRAF6. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 35.	3.5	25
64	In Vivo Gold Complex Catalysis within Live Mice. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3579-3584.	7.2	129
65	Highly reactive RIKEN click-probe for glycoconjugation on lysines. <i>Tetrahedron Letters</i> , 2017, 58, 1929-1933.	0.7	17
66	Reactivity of anti-HNK-1 antibodies to branched O-mannose glycans associated with demyelination. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 450-456.	1.0	12
67	Cancer cell targeting driven by selective polyamine reactivity with glycine propargyl esters. <i>Chemical Communications</i> , 2017, 53, 8403-8406.	2.2	11
68	Bio-inspired Domino Reduction of Nitroarenes by Acrolein-Amine Conjugates in One-pot Operation. <i>Chemistry Letters</i> , 2017, 46, 811-813.	0.7	0
69	Sequential Double Clicks toward Structurally Well-Defined Heterogeneous N-Glycoclusters: The Importance of Cluster Heterogeneity on Pattern Recognition In Vivo. <i>Advanced Science</i> , 2017, 4, 1600394.	5.6	30
70	Simple Gd ³⁺ -Neu5NAc complexation results in NMR chemical shift asymmetries of structurally equivalent complex-type N-glycan branches. <i>Analyst</i> , 2017, 142, 2897-2900.	1.7	2
71	Effect of spermine-derived AGEs on oxidative stress and polyamine metabolism. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6720-6724.	1.5	3
72	In Vivo Gold Complex Catalysis within Live Mice (Angew. Chem. 13/2017). <i>Angewandte Chemie</i> , 2017, 129, 3778-3778.	1.6	0

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73	In Situ Ligation of High- and Low-Affinity Ligands to Cell Surface Receptors Enables Highly Selective Recognition. <i>Advanced Science</i> , 2017, 4, 1700147.	5.6	9
74	A One-Pot Three-Component Double-Click Method for Synthesis of [67Cu]-Labeled Biomolecular Radiotherapeutics. <i>Scientific Reports</i> , 2017, 7, 1912.	1.6	25
75	Cell Imaging: In Situ Ligation of High- and Low-Affinity Ligands to Cell Surface Receptors Enables Highly Selective Recognition (<i>Adv. Sci.</i> 11/2017). <i>Advanced Science</i> , 2017, 4, .	5.6	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. <i>ACS Sensors</i> , 2016, 1, 623-632.	4.0	25
77	Glycan multivalency effects toward albumin enable N-glycan-dependent tumor targeting. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2251-2254.	1.0	32
78	Progress in the Development of Reaction-Based Sensors for Detection of Acrolein in Biological Samples. <i>BioNanoScience</i> , 2016, 6, 473-479.	1.5	3
79	Unrecognized Cycloaddition Reactions of N-Alkyl- β , γ -Unsaturated Imines Occurring in Biosystems and Their Biological Roles. <i>BioNanoScience</i> , 2016, 6, 364-367.	1.5	2
80	One-Pot Evolution of Ageladine...A through a Bio-Inspired Cascade towards Selective Modulators of Neuronal Differentiation. <i>Chemistry - A European Journal</i> , 2016, 22, 14707-14716.	1.7	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. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 337-345.	2.0	20
82	1,5-Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloid- β (1-40) Fibrillization. <i>Advanced Science</i> , 2016, 3, 1600082.	5.6	16
83	Propargyl-Assisted Selective Amidation Applied in C-terminal Glycine Peptide Conjugation. <i>Chemistry - A European Journal</i> , 2016, 22, 18865-18872.	1.7	17
84	Chemical Synthesis of a Complex-Type <i>N</i> -Glycan Containing a Core Fucose. <i>Journal of Organic Chemistry</i> , 2016, 81, 10600-10616.	1.7	49
85	Oxidative Stress: 1,5-Diazacyclooctanes, as Exclusive Oxidative Polyamine Metabolites, Inhibit Amyloid- β (1-40) Fibrillization (<i>Adv. Sci.</i> 10/2016). <i>Advanced Science</i> , 2016, 3, .	5.6	0
86	A Reduction-Based Sensor for Acrolein Conjugates with the Inexpensive Nitrobenzene as an Alternative to Monoclonal Antibody. <i>Scientific Reports</i> , 2016, 6, 35872.	1.6	8
87	Visualizing Trimming Dependence of Biodistribution and Kinetics with Homo- and Heterogeneous N-Glycoclusters on Fluorescent Albumin. <i>Scientific Reports</i> , 2016, 6, 21797.	1.6	52
88	Chemically synthesized glycoconjugates on proteins: effects of multivalency and glycoform in vivo. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7610-7621.	1.5	26
89	Efficient Synthesis of the Disialylated Tetrasaccharide Motif in N-Glycans through an Amide-Protection Strategy. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1436-1440.	1.7	19
90	Exploring the glycan interaction in vivo: Future prospects of neo-glycoproteins for diagnostics. <i>Glycobiology</i> , 2016, 26, 804-812.	1.3	6

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91	In vivo imaging of advanced glycation end products (AGEs) of albumin: first observations of significantly reduced clearance and liver deposition properties in mice. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5755-5760.	1.5	4
92	Unrecognized Reactivity of N-Alkyl Unsaturated Imines: Synthetic Application and Biological Functions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 700-709.	0.0	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. <i>Tetrahedron</i> , 2015, 71, 4518-4521.	1.0	12
95	Cell surface and in vivo interaction of dendrimeric N-glycoclusters. <i>Glycoconjugate Journal</i> , 2015, 32, 497-503.	1.4	6
96	Exclusive formation of imino[4 + 4]cycloaddition products with biologically relevant amines: plausible candidates for acrolein biomarkers and biofunctional modulators. <i>MedChemComm</i> , 2015, 6, 431-436.	3.5	20
97	Chemical Glycan Conjugation Controls the Biodistribution and Kinetics of Proteins in Live Animals. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015, 14, 1072-1077.	1.1	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. <i>Synlett</i> , 2014, 25, 2442-2446.	1.0	14
100	Direct Guanylation of Amino Groups by Cyanamide in Water: Catalytic Generation and Activation of Unsubstituted Carbodiimide by Scandium(III) Triflate. <i>Synlett</i> , 2014, 25, 1302-1306.	1.0	22
101	Chemical Approach to a Whole Body Imaging of Sialo-N-Linked Glycans. <i>Topics in Current Chemistry</i> , 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. <i>Synlett</i> , 2014, 25, 1026-1030.	1.0	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. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6380-6386.	1.4	15
104	Practical and Efficient Method for α -Sialylation with an Azide Sialyl Donor Using a Microreactor. <i>Journal of Carbohydrate Chemistry</i> , 2014, 33, 55-67.	0.4	23
105	Interaction of Platelet Endothelial Cell Adhesion Molecule (PECAM) with α 2,6-Sialylated Glycan Regulates Its Cell Surface Residency and Anti-apoptotic Role. <i>Journal of Biological Chemistry</i> , 2014, 289, 27604-27613.	1.6	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. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1412-1418.	1.5	10
107	In vivo kinetics and biodistribution analysis of neoglycoproteins: effects of chemically introduced glycans on proteins. <i>Glycoconjugate Journal</i> , 2014, 31, 273-279.	1.4	8
108	Polyamine modification by acrolein exclusively produces 1,5-diazacyclooctanes: a previously unrecognized mechanism for acrolein-mediated oxidative stress. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5151-5157.	1.5	19

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109	Metal-Catalyzed Organic Reaction in Live Cells: Future Prospect of Time- and Space-Selective Glycan Conjugation In Live Systems. <i>Trends in Glycoscience and Glycotechnology</i> , 2014, 26, 73-75.	0.0	0
110	2,6,9-Triazabicyclo[3.3.1]nonanes as overlooked amino-modification products by acrolein. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7208.	1.5	15
111	Cytotoxic Activity of Ursolic Acid Derivatives Obtained by Isolation and Oxidative Derivatization. <i>Molecules</i> , 2013, 18, 8929-8944.	1.7	37
112	Development of bis-unsaturated ester aldehydes as amino-glue probes: sequential double azaelectrocyclization as a promising strategy for bioconjugation. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7326.	1.5	24
113	Whole-body imaging of tumor cells by azaelectrocyclization: Visualization of metastasis dependence on glycan structure. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1074-1077.	1.4	14
114	A conformationally fixed analog of the peptide mimic Grb2 ^{SH2} domain: synthesis and evaluation against the A431 cancer cell. <i>Molecular BioSystems</i> , 2013, 9, 1019.	2.9	5
115	SYNTHESIS OF 3,7,9- AND 2,6,9-TRIAZABICYCLO[3.3.1]NONANE DERIVATIVES. <i>Heterocycles</i> , 2013, 87, 2001.	0.4	18
116	Stereocontrolled Synthesis of Substituted Chiral Piperidines via One-Pot Asymmetric δ^6 -Azaelectrocyclization: Asymmetric Syntheses of (α^6)-Dendroprimine, (+)-7-Epidendroprimine, (+)-5-Epidendroprimine, and (+)-5,7-Epidendroprimine. <i>Journal of Organic Chemistry</i> , 2012, 77, 1812-1832.	1.7	25
117	Bio-imaging and cancer targeting with glycoproteins and N-glycans. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 614-621.	2.8	20
118	Template-Assisted and Self-Activating Clicked Peptide as a Synthetic Mimic of the SH2 Domain. <i>ACS Chemical Biology</i> , 2012, 7, 637-645.	1.6	7
119	Efficient synthesis of 2,6,9-triazabicyclo[3.3.1]nonanes through amine-mediated formal [4+4] reaction of unsaturated imines. <i>Tetrahedron Letters</i> , 2012, 53, 5899-5902.	0.7	19
120	Cell surface biotinylation by azaelectrocyclization: Easy-handling and versatile approach for living cell labeling. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1865-1868.	1.4	21
121	Auxiliary-directed oxidation of ursolic acid by Ru^{II} -porphyrins: chemical modulation of cytotoxicity against tumor cell lines. <i>Tetrahedron Letters</i> , 2012, 53, 1756-1759.	0.7	14
122	Discovery and application of δ^6 -azaelectrocyclization to natural product synthesis and synthetic biology. <i>Science China Chemistry</i> , 2012, 55, 19-30.	4.2	10
123	Synthesis of Bacterial Glycoconjugates and Their Bio-functional Studies in Innate Immunity. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2012, 70, 113-130.	0.0	11
124	Development of Azaelectrocyclization-Based Labeling and Application to Noninvasive Imaging and Targeting Using δ^6 -Glycan Derivatives ⁶ In Pursuit of δ^6 -Glycan Functions on Proteins, Dendrimers, and Living Cells ⁶ . <i>Trends in Glycoscience and Glycotechnology</i> , 2012, 24, 47-64.	0.0	2
125	Target-selective fluorescent "switch-on" protein labeling by δ^6 -azaelectrocyclization. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5346.	1.5	18
126	Reinvestigation of the C5-acetamide sialic acid donor for α -selective sialylation: practical procedure under microfluidic conditions. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7243.	1.5	35

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127	Ursolic acid derivatives from Bangladeshi medicinal plant, <i>Saurauja roxburghii</i> : Isolation and cytotoxic activity against A431 and C6 glioma cell lines. <i>Phytochemistry Letters</i> , 2011, 4, 287-291.	0.6	21
128	Exploring a Unique Reactivity of 6Î€-Azaelectrocyclization to Enzyme Inhibition, Natural Products Synthesis, and Molecular Imaging: An Approach to Chemical Biology by Synthetic Chemists. <i>Synlett</i> , 2011, 2011, 2115-2139.	1.0	72
129	Heterogeneity Effects of Glycan Clusters on Microarrays and Dendrimers. <i>Trends in Glycoscience and Glycotechnology</i> , 2011, 23, 155-157.	0.0	1
130	Exploring A Unique Reactivity of 6π-Azaelectrocyclization: Discovery and Application to Natural Products Synthesis and Synthetic Chemical Biology. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2011, 69, 1389-1401.	0.0	2
131	Electrocyclizationâ€Based Labeling Allows Efficient In Vivo Imaging of Cellular Trafficking. <i>ChemMedChem</i> , 2010, 5, 841-845.	1.6	27
132	Noninvasive Imaging of Dendrimerâ€Type Nâ€Glycan Clusters: In Vivo Dynamics Dependence on Oligosaccharide Structure. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8195-8200.	7.2	100
133	Probe design and synthesis of GalÎ²(1â†'3)[NeuAcÎ±(2â†'6)]GlcNAcÎ²(1â†'2)Man motif of N-glycan. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3760-3766.	1.4	8
134	New strategy in synthetic biology: from enzyme inhibition and natural products synthesis to PET imaging by 6Î€-Azaelectrocyclization. <i>Chemical Record</i> , 2010, 10, 119-139.	2.9	20
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