Koichi Fukase

List of Publications by Year
in descending order

294 papers	15,347 citations	31949 53 h-index	22808 112 g-index
315 all docs	315 docs citations	315 times ranked	14634 citing authors

#	Article	IF	Citations
1	Homeostatic and pathogenic roles of the GM3 ganglioside. FEBS Journal, 2022, 289, 5152-5165.	2.2	10
2	Revisiting Glycosylations Using Glycosyl Fluoride by BF₃Â·Et₂O: Activation of Disarmed Glycosyl Fluorides with High Catalytic Turnover. Organic Letters, 2022, 24, 6-10.	2.4	8
3	A Review on Mechanistic Insight of Plant Derived Anticancer Bioactive Phytocompounds and Their Structure Activity Relationship. Molecules, 2022, 27, 3036.	1.7	29
4	Precise immunological evaluation rationalizes the design of a self-adjuvanting vaccine composed of glycan antigen, TLR1/2 ligand, and T-helper cell epitope. RSC Advances, 2022, 12, 18985-18993.	1.7	3
5	Î±â€Emitting cancer therapy using ²¹¹Atâ€AAMT targeting LAT1. Cancer Science, 2021, 112, 1132-1140.	4	31
6	Glycoconjugates for Adjuvants and Self-Adjuvanting Vaccines. , 2021, , 166-184.		0
7	Recent Advances in the Chemical Biology of N-Glycans. Molecules, 2021, 26, 1040.	1.7	13
8	Synthesis of cyclotetrapeptide analogues of c-PLAI and evaluation of their antimicrobial properties. Royal Society Open Science, 2021, 8, 201822.	1.1	5
9	Lipopolysaccharide from Gutâ€Associated Lymphoidâ€Tissueâ€Resident Alcaligenes faecalis: Complete Structure Determination and Chemical Synthesis of Its Lipidâ€...A. Angewandte Chemie - International Edition, 2021, 60, 10023-10031.	7.2	26
10	Lipopolysaccharide from Gutâ€Associated Lymphoidâ€Tissueâ€Resident Alcaligenes faecalis: Complete Structure Determination and Chemical Synthesis of Its Lipidâ€...A. Angewandte Chemie, 2021, 133, 10111-10119.	1.6	1
11	Intratumoral administration of astatine-211-labeled gold nanoparticle for alpha therapy. Journal of Nanobiotechnology, 2021, 19, 223.	4.2	19
12	Lipopolysaccharide Derived From the Lymphoid-Resident Commensal Bacteria Alcaligenes faecalis Functions as an Effective Nasal Adjuvant to Augment IgA Antibody and Th17 Cell Responses. Frontiers in Immunology, 2021, 12, 699349.	2.2	7
13	Chemical Synthesis of Sialyl Nâ€Glycans and Analysis of Their Recognition by Neuraminidase. Angewandte Chemie - International Edition, 2021, 60, 24686-24693.	7.2	6
14	Chemical Synthesis of Sialyl Nâ€Glycans and Analysis of Their Recognition by Neuraminidase. Angewandte Chemie, 2021, 133, 24891.	1.6	0
15	Conjugation Strategies for Development of Bioactive Middle Molecules. , 2021, , 3-20.		0
16	Molecular recognition of sialoglycans by streptococcal Siglec-like adhesins: toward the shape of specific inhibitors. RSC Chemical Biology, 2021, 2, 1618-1630.	2.0	6
17	Chemically Synthesized Alcaligenes Lipid A as an Adjuvant to Augment Immune Responses to Haemophilus Influenzae Type B Conjugate Vaccine. Frontiers in Pharmacology, 2021, 12, 763657.	1.6	4
18	Lipid A-Mediated Bacterialâ€“Host Chemical Ecology: Synthetic Research of Bacterial Lipid As and Their Development as Adjuvants. Molecules, 2021, 26, 6294.	1.7	8

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19	Energetics of lipid transport by the ABC transporter MsbA is lipid dependent. Communications Biology, 2021, 4, 1379.	2.0	8
20	In Silico Analysis and Experimental Evaluation of Ester Prodrugs of Ketoprofen for Oral Delivery: With a View to Reduce Toxicity. Processes, 2021, 9, 2221.	1.3	9
21	Characterisation of the Dynamic Interactions between Complex Nâ€Glycans and Human CD22. ChemBioChem, 2020, 21, 129-140.	1.3	16
22	Efficient Synthesis of Antigenic Trisaccharides Containing Nâ€Acetylglucosamine: Protection of NHAc as NAc₂. European Journal of Organic Chemistry, 2020, 2020, 1802-1810.	1.2	21
23	Concise and Reliable Syntheses of Glycodendrimers via Self-Activating Click Chemistry: A Robust Strategy for Mimicking Multivalent Glycanâ€“Pathogen Interactions. Journal of Organic Chemistry, 2020, 85, 16014-16023.	1.7	9
24	Temporal analysis of localization and trafficking of glycolipids. Biochemical and Biophysical Research Communications, 2020, 532, 19-24.	1.0	0
25	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. IScience, 2020, 23, 101231.	1.9	24
26	Total Syntheses of C60- and C100-Dolichols. Journal of Organic Chemistry, 2020, 85, 11549-11559.	1.7	2
27	Chemically Synthesized Alcaligenes Lipid A Shows a Potent and Safe Nasal Vaccine Adjuvant Activity for the Induction of Streptococcus pneumoniae-Specific IgA and Th17 Mediated Protective Immunity. Microorganisms, 2020, 8, 1102.	1.6	16
28	Adjuvant Activity of Synthetic Lipid A of Alcaligenes, a Gut-Associated Lymphoid Tissue-Resident Commensal Bacterium, to Augment Antigen-Specific IgG and Th17 Responses in Systemic Vaccine. Vaccines, 2020, 8, 395.	2.1	18
29	Recent advances in self-adjuvanting glycoconjugate vaccines. Drug Discovery Today: Technologies, 2020, 37, 61-71.	4.0	9
30	Discrimination of cellular developmental states focusing on glycan transformation and membrane dynamics by using BODIPY-tagged lactosyl ceramides. Organic and Biomolecular Chemistry, 2020, 18, 3724-3733.	1.5	3
31	Homeostatic and pathogenic roles of <scp>GM</scp> 3 ganglioside molecular species in <scp>TLR</scp> 4 signaling in obesity. EMBO Journal, 2020, 39, e101732.	3.5	25
32	Pyrazolo[4,3-d]pyrimidine Derivatives as a Novel Hypoxia-Inducible Factor Prolyl Hydroxylase Domain Inhibitor for the Treatment of Anemia. ACS Medicinal Chemistry Letters, 2020, 11, 1416-1420.	1.3	9
33	Immunological Evaluation of Coâ€Assembling a Lipidated Peptide Antigen and Lipophilic Adjuvants: Selfâ€Adjuvanting Antiâ€Breastâ€Cancer Vaccine Candidates. Angewandte Chemie, 2020, 132, 17858-17864.	1.6	0
34	Immunological Evaluation of Coâ€Assembling a Lipidated Peptide Antigen and Lipophilic Adjuvants: Selfâ€Adjuvanting Antiâ€Breastâ€Cancer Vaccine Candidates. Angewandte Chemie - International Edition, 2020, 59, 17705-17711.	7.2	27
35	Deficiency of sphingomyelin synthase 2 prolongs survival by the inhibition of lymphoma infiltration through ICAMâ€1 reduction. FASEB Journal, 2020, 34, 3838-3854.	0.2	15
36	A Review of Cytotoxic Plants of the Indian Subcontinent and a Broad-Spectrum Analysis of Their Bioactive Compounds. Molecules, 2020, 25, 1904.	1.7	25

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37	Structural basis for Glycan-receptor binding by mumps virus hemagglutinin-neuraminidase. Scientific Reports, 2020, 10, 1589.	1.6	19
38	Lymphoid Tissueâ€"Resident Alcaligenes Establish an Intracellular Symbiotic Environment by Creating a Unique Energy Shift in Dendritic Cells. Frontiers in Microbiology, 2020, 11, 561005.	1.5	15
39	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.	0.0	2
40	Middle Molecular and Conjugation Strategies for Development of Bioactive Middle Molecules. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 527-537.	0.0	0
41	Rationale for Translational Research on Targeted Alpha Therapy in Japan â€"Renaissance of Radiopharmaceuticals Utilizing Astatine-211 and Actinium-225â€". Radioisotopes, 2020, 69, 329-340.	0.1	0
42	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectinâ€1. Angewandte Chemie - International Edition, 2019, 58, 18697-18702.	7.2	29
43	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectinâ€1. Angewandte Chemie, 2019, 131, 18870-18875.	1.6	2
44	Syntheses and Functional Studies of Selfâ€Adjuvanting Antiâ€HER2 Cancer Vaccines. Chemistry - an Asian Journal, 2019, 14, 4268-4273.	1.7	12
45	Synthesis of Cage-Shaped Aluminum Aryloxides: Efficient Lewis Acid Catalyst for Stereoselective Glycosylation Driven by Flexible Shift of Four- to Five-Coordination. Journal of the American Chemical Society, 2019, 141, 17466-17471.	6.6	18
46	Kinetically Controlled Fischer Glycosidation under Flow Conditions: A New Method for Preparing Furanosides. Synlett, 2019, 30, 397-400.	1.0	14
47	Î²â€Selective Glycosylation by Using O â€Arylâ€Protected Glycosyl Donors. Chemistry - an Asian Journal, 2019, 14, 2719-2723.	1.7	3
48	Analysis of electrostatic interaction between ganglioside GM3 and transmembrane peptide. AIP Conference Proceedings, 2019, , .	0.3	0
49	Development of Î±â€Galâ€"Antibody Conjugates to Increase Immune Response by Recruiting Natural Antibodies. Angewandte Chemie, 2019, 131, 4574-4578.	1.6	6
50	Development of Î±â€Galâ€"Antibody Conjugates to Increase Immune Response by Recruiting Natural Antibodies. Angewandte Chemie - International Edition, 2019, 58, 4526-4530.	7.2	23
51	Singleâ€Step Perâ€Oâ€Sulfonation of Sugar Oligomers with Concomitant 1,6â€Anhydro Bridge Formation for Binding Fibroblast Growth Factors. ChemBioChem, 2019, 20, 237-240.	1.3	2
52	Introduction of 4-Chlorophenyl: A Protecting Group for the Hydroxy Function. Synlett, 2018, 29, 1510-1516.	1.0	6
53	Convergent Synthesis of a Bisecting Nâ€Acetylglucosamine (GlcNAc)â€Containing Nâ€Glycan. Chemistry - an Asian Journal, 2018, 13, 1544-1551.	1.7	16
54	Lymphoid tissue-resident Alcaligenes LPS induces IgA production without excessive inflammatory responses via weak TLR4 agonist activity. Mucosal Immunology, 2018, 11, 693-702.	2.7	65

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55	Time-lapse monitoring of TLR2 ligand internalization with newly developed fluorescent probes. Organic and Biomolecular Chemistry, 2018, 16, 3824-3830.	1.5	5
56	Narrower HOMO-LUMO gap attained by conformational switching through peripheral polyarylation in 1,4,5,8-tetraaza-9,10-anthraquinodimethanes. Tetrahedron, 2018, 74, 2239-2244.	1.0	15
57	NPC1L1-dependent intestinal cholesterol absorption requires ganglioside GM3 in membrane microdomains. Journal of Lipid Research, 2018, 59, 2181-2187.	2.0	16
58	The NLRP6 Inflammasome Recognizes Lipoteichoic Acid and Regulates Gram-Positive Pathogen Infection. Cell, 2018, 175, 1651-1664.e14.	13.5	195
59	Porous nanosheet wrapping for live imaging of suspension cells. Journal of Materials Chemistry B, 2018, 6, 6622-6628.	2.9	11
60	Bradyrhizobium Lipid A: Immunological Properties and Molecular Basis of Its Binding to the Myeloid Differentiation Protein-2/Toll-Like Receptor 4 Complex. Frontiers in Immunology, 2018, 9, 1888.	2.2	9
61	Syntheses and Immunological Evaluation of Selfâ€Adjuvanting Clustered Nâ€Acetyl and Nâ€Propionyl Sialylâ€Tn Combined with a Tâ€helper Cell Epitope as Antitumor Vaccine Candidates. Angewandte Chemie - International Edition, 2018, 57, 8219-8224.	7.2	31
62	Highly Efficient Coupling of Unstable Bicyclic Pyrimidines and Pyrazoles under Basic Conditions, and its Application to the Synthesis of Pharmaceutical Compounds. Synlett, 2018, 29, 1867-1870.	1.0	4
63	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.	1.3	7
64	Synthesis of Cyclopropane Fatty Acids by C(sp³)â^'C(sp³) Crossâ€Coupling Reaction and Formal Synthesis of Î±â€Mycolic Acid. Advanced Synthesis and Catalysis, 2018, 360, 3810-3817.	2.1	4
65	Branched Sialylated <i>N</i>-glycans Are Accumulated in Brain Synaptosomes and Interact with Siglec-H. Cell Structure and Function, 2018, 43, 141-152.	0.5	13
66	The second and third amino acids of Pam2 lipopeptides are key for the proliferation of cytotoxic T cells. Innate Immunity, 2018, 24, 323-331.	1.1	8
67	Syntheses and Immunological Evaluation of Selfâ€Adjuvanting Clustered N â€Acetyl and N â€Propionyl Sialylâ€Tn Combined with a Tâ€helper Cell Epitope as Antitumor Vaccine Candidates. Angewandte Chemie, 2018, 130, 8351-8356.	1.6	5
68	Flow Dehydration and Hydrogenation of Allylic Alcohols: Application to the Wasteâ€Free Synthesis of Pristane. European Journal of Organic Chemistry, 2017, 2017, 1365-1368.	1.2	10
69	Employing BINOLâ€Phosphoroselenoyl Chloride for Selective Inositol Phosphorylation and Synthesis of Glycosyl Inositol Phospholipid from Entamoeba histolytica. Chemistry - A European Journal, 2017, 23, 8304-8308.	1.7	15
70	Development of Î±1,6-fucosyltransferase inhibitors through the diversity-oriented syntheses of GDP-fucose mimics using the coupling between alkyne and sulfonyl azide. Bioorganic and Medicinal Chemistry, 2017, 25, 2844-2850.	1.4	12
71	Bio-inspired Domino Reduction of Nitroarenes by Acroleinâ€“Amine Conjugates in One-pot Operation. Chemistry Letters, 2017, 46, 811-813.	0.7	0
72	A Comprehensive Study of the Interaction between Peptidoglycan Fragments and the Extracellular Domain of Mycobacterium tuberculosis Ser/Thr Kinase PknB. ChemBioChem, 2017, 18, 2094-2098.	1.3	12

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73	Funiculosin variants and phosphorylated derivatives promote innate immune responses via the Toll-like receptor 4/myeloid differentiation factor-2 complex. Journal of Biological Chemistry, 2017, 292, 15378-15394.	1.6	4
74	Total Synthesis of Cardiolipins Containing Chiral Cyclopropane Fatty Acids. Journal of Organic Chemistry, 2017, 82, 7832-7838.	1.7	6
75	Syntheses of N -aryl-protected glucosamines and their stereoselectivity in chemical glycosylations. Tetrahedron Letters, 2017, 58, 3019-3023.	0.7	9
76	Synthesis of Peptidoglycan Fragments from Enterococcus faecalis with Fmocâ€Strategy for Glycan Elongation. Chemistry - an Asian Journal, 2017, 12, 27-30.	1.7	11
77	Peptidoglycan microarray as a novel tool to explore proteinâ€“ligand recognition. Biopolymers, 2016, 106, 422-429.	1.2	8
78	Characterization of a Novel d-Glycero-d-talo-oct-2-ulosonic acid-substituted Lipid A Moiety in the Lipopolysaccharide Produced by the Acetic Acid Bacterium Acetobacter pasteurianus NBRC 3283. Journal of Biological Chemistry, 2016, 291, 21184-21194.	1.6	23
79	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.	1.7	13
80	Isolated Polar Amino Acid Residues Modulate Lipid Binding in the Large Hydrophobic Cavity of CD1d. ACS Chemical Biology, 2016, 11, 3132-3139.	1.6	23
81	Discovery of a Novel Scaffold as an Indoleamine 2,3â€Dioxygenaseâ€...1 (IDO1) Inhibitor Based on the Pyrrolopiperazinone Alkaloid, Longamideâ€...B. ChemMedChem, 2016, 11, 2682-2689.	1.6	22
82	Chemical Synthesis of a Complex-Type N-Glycan Containing a Core Fucose. Journal of Organic Chemistry, 2016, 81, 10600-10616.	1.7	49
83	A Reduction-Based Sensor for Acrolein Conjugates with the Inexpensive Nitrobenzene as an Alternative to Monoclonal Antibody. Scientific Reports, 2016, 6, 35872.	1.6	8
84	Regioselective phosphorylation of myo-inositol with BINOL-derived phosphoramidites and its application for protozoan lysophosphatidylinositol. Organic and Biomolecular Chemistry, 2016, 14, 6672-6675.	1.5	27
85	Development of a simple assay system for protein-stabilizing efficiency based on hemoglobin protection against denaturation and measurement of the cooperative effect of mixing protein stabilizers. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1874-1878.	0.6	9
86	Efficient Synthesis of the Disialylated Tetrasaccharide Motif in Nâ€Glycans through an Amideâ€Protection Strategy. Chemistry - an Asian Journal, 2016, 11, 1436-1440.	1.7	19
87	Synthesis of characteristic Mycobacterium peptidoglycan (PGN) fragments utilizing with chemoenzymatic preparation of meso-diaminopimelic acid (DAP), and their modulation of innate immune responses. Organic and Biomolecular Chemistry, 2016, 14, 1013-1023.	1.5	39
88	Efficient Synthesis of (â€“)-Hanishin, (â€“)-Longamide B, and (â€“)-Longamide B Methyl Ester through Piperazinone Formation from 1,2-Cyclic Sulfamidates. Synlett, 2016, 27, 616-620.	1.0	11
89	Effective Synthesis of Oligosaccharide under Microfluidic Conditions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 452-459.	0.0	5
90	Molecular basis for bacterial peptidoglycan recognition by LysM domains. Nature Communications, 2014, 5, 4269.	5.8	167

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91	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.	1.0	22
92	Chemical Approach to a Whole Body Imaging of Sialo-N-Linked Glycans. Topics in Current Chemistry, 2014, 367, 201-230.	4.0	0
93	Facile Preparation of 1,5-Diazacyclooctanes from Unsaturated Imines: Effects of the Hydroxyl Groups on [4+4] Dimerization. Synlett, 2014, 25, 1026-1030.	1.0	18
94	The attenuated inflammation of MPL is due to the lack of CD14-dependent tight dimerization of the TLR4/MD2 complex at the plasma membrane. International Immunology, 2014, 26, 307-314.	1.8	45
95	Oneâ€Pot Synthesis of Nâ€Acetylâ€and Nâ€Glycolylneuraminic Acid Capped Trisaccharides and Evaluation of Their Influenza A(H1â€‰N1) Inhibition. Angewandte Chemie - International Edition, 2014, 53, 2413-2416.	7.2	20
96	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.	1.4	15
97	Practical and Efficient Method for Î±-Sialylation with an Azide Sialyl Donor Using a Microreactor. Journal of Carbohydrate Chemistry, 2014, 33, 55-67.	0.4	23
98	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.	1.5	10
99	Revisiting the Bromination of Cï£¿H Bonds with Molecular Bromine by Using a Photoâ€Microflow System. Chemistry - A European Journal, 2014, 20, 12750-12753.	1.7	46
100	Efficient Glycosylation Using In(OTf)3 as a Lewis Acid: Activation of N-Phenyltrifluoroacetimidate or Thioglycosides with Halogenated Reagents or PhIO. Chemistry Letters, 2014, 43, 956-958.	0.7	15
101	Solid-phase Synthesis of Bacterial Cell Wall Peptidoglycan Fragments. Chemistry Letters, 2014, 43, 1461-1463.	0.7	3
102	Synthesis and biological activity of phosphoglycolipids from Thermus thermophilus. Organic and Biomolecular Chemistry, 2013, 11, 5034.	1.5	12
103	Cytotoxic Activity of Ursolic Acid Derivatives Obtained by Isolation and Oxidative Derivatization. Molecules, 2013, 18, 8929-8944.	1.7	37
104	Innate immunomodulation by lipophilic termini of lipopolysaccharide; synthesis of lipid As from Porphyromonas gingivalis and other bacteria and their immunomodulative responses. Molecular BioSystems, 2013, 9, 987.	2.9	37
105	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.	1.5	24
106	Nickelï£¿Butadiene Catalytic System for the Crossâ€Coupling of Bromoalkanoic Acids with Alkyl Grignard Reagents: A Practical and Versatile Method for Preparing Fatty Acids. Chemistry - A European Journal, 2013, 19, 2956-2960.	1.7	26
107	Whole-body imaging of tumor cells by azaelectrocyclization: Visualization of metastasis dependence on glycan structure. Bioorganic and Medicinal Chemistry, 2013, 21, 1074-1077.	1.4	14
108	Glycan Sequenceâ€Dependent Nod2 Activation Investigated by Using a Chemically Synthesized Bacterial Peptidoglycan Fragment Library. ChemBioChem, 2013, 14, 482-488.	1.3	20

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109	A conformationally fixed analog of the peptide mimic Grb2â€“SH2 domain: synthesis and evaluation against the A431 cancer cell. Molecular BioSystems, 2013, 9, 1019.	2.9	5
110	Human SAP Is a Novel Peptidoglycan Recognition Protein That Induces Complement-Independent Phagocytosis of Staphylococcus aureus. Journal of Immunology, 2013, 191, 3319-3327.	0.4	21
111	Structural basis of species-specific endotoxin sensing by innate immune receptor TLR4/MD-2. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7421-7426.	3.3	290
112	Structural and mechanistic analysis of the membrane-embedded glycosyltransferase WaaA required for lipopolysaccharide synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6253-6258.	3.3	45
113	Bio-imaging and cancer targeting with glycoproteins and N-glycans. Current Opinion in Chemical Biology, 2012, 16, 614-621.	2.8	20
114	Peptidoglycan as Nod1 ligand; fragment structures in the environment, chemical synthesis, and their innate immunostimulation. Natural Product Reports, 2012, 29, 568.	5.2	24
115	Template-Assisted and Self-Activating Clicked Peptide as a Synthetic Mimic of the SH2 Domain. ACS Chemical Biology, 2012, 7, 637-645.	1.6	7
116	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.	0.7	19
117	Structural Characterization of Neutral and Acidic Glycolipids from Thermus thermophilus HB8. PLoS ONE, 2012, 7, e35067.	1.1	8
118	Synthesis and immunomodulatory activities of Helicobacter pylori lipophilic terminus of lipopolysaccharide including lipid A. Carbohydrate Research, 2012, 356, 37-43.	1.1	34
119	Cell surface biotinylation by azaelectrocyclization: Easy-handling and versatile approach for living cell labeling. Bioorganic and Medicinal Chemistry, 2012, 20, 1865-1868.	1.4	21
120	Auxiliary-directed oxidation of ursolic acid by â€˜Ruâ€™-porphyrins: chemical modulation of cytotoxicity against tumor cell lines. Tetrahedron Letters, 2012, 53, 1756-1759.	0.7	14
121	Discovery and application of 6Ï€-azaelectrocyclization to natural product synthesis and synthetic biology. Science China Chemistry, 2012, 55, 19-30.	4.2	10
122	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.	0.0	11
123	Development of Azaelectrocyclization-Based Labeling and Application to Noninvasive Imaging and Targeting Using <I>N</I>-Glycan Derivativesâ€”In Pursuit of <I>N</I>-Glycan Functions on Proteins, Dendrimers, and Living Cellsâ€”. Trends in Glycoscience and Glycotechnology, 2012, 24, 47-64.	0.0	2
124	Target-selective fluorescent â€œswitch-onâ€•protein labeling by 6Ï€-azaelectrocyclization. Organic and Biomolecular Chemistry, 2011, 9, 5346.	1.5	18
125	Structures, Synthesis, and Human Nod1 Stimulation of Immunostimulatory Bacterial Peptidoglycan Fragments in the Environment. Journal of Natural Products, 2011, 74, 518-525.	1.5	24
126	Reinvestigation of the C5-acetamide sialic acid donor for Î±-selective sialylation: practical procedure under microfluidic conditions. Organic and Biomolecular Chemistry, 2011, 9, 7243.	1.5	35

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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.	0.6	21
128	Chemical Synthesis of Helicobacter pylori Lipopolysaccharide Partial Structures and their Selective Proinflammatory Responses. Chemistry - A European Journal, 2011, 17, 14464-14474.	1.7	71
129	Failure of mycoplasma lipoprotein MALP-2 to induce NK cell activation through dendritic cell TLR2. Microbes and Infection, 2011, 13, 350-358.	1.0	25
130	Stereoselective Glycosylation of 3-Deoxy-d-manno-2-octulosonic Acid with Batch and Microfluidic Methods. Synlett, 2011, 2011, 2359-2362.	1.0	10
131	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.	1.0	72
132	Nod1 Ligands Induce Site-Specific Vascular Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1093-1099.	1.1	82
133	Chemical synthesis of bacterial lipid A. , 2010, , 413-427.		2
134	Key structures of bacterial peptidoglycan and lipopolysaccharide triggering the innate immune system of higher animals: Chemical synthesis and functional studies. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2010, 86, 322-337.	1.6	49
135	Erratum to â€œKey structures of bacterial peptidoglycan and lipopolysaccharide triggering the innate immune system of higher animals: Chemical synthesis and functional studiesâ€. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2010, 86, 538-538.	1.6	2
136	Electrocyclizationâ€Based Labeling Allows Efficient In Vivo Imaging of Cellular Trafficking. ChemMedChem, 2010, 5, 841-845.	1.6	27
137	Noninvasive Imaging of Dendrimerâ€Type Nâ€Glycan Clusters: In Vivo Dynamics Dependence on Oligosaccharide Structure. Angewandte Chemie - International Edition, 2010, 49, 8195-8200.	7.2	100
138	Probe design and synthesis of GalÎ²(1â†'3)[NeuAcÎ±(2â†'6)]GlcNAcÎ²(1â†'2)Man motif of N-glycan. Bioorganic and Medicinal Chemistry, 2010, 18, 3760-3766.	1.4	8
139	New strategy in synthetic biology: from enzyme inhibition and natural products synthesis to PET imaging by 6Ï€â€azaelectrocyclization. Chemical Record, 2010, 10, 119-139.	2.9	20
140	The Peptide Sequence of Diacyl Lipopeptides Determines Dendritic Cell TLR2-Mediated NK Activation. PLoS ONE, 2010, 5, e12550.	1.1	49
141	Self and Nonself Recognition with Bacterial and Animal Glycans, Surveys by Synthetic Chemistry. Methods in Enzymology, 2010, 478, 323-342.	0.4	6
142	Characterization of Natural Human Nucleotide-binding Oligomerization Domain Protein 1 (Nod1) Ligands from Bacterial Culture Supernatant for Elucidation of Immune Modulators in the Environment. Journal of Biological Chemistry, 2010, 285, 23607-23613.	1.6	18
143	Nucleotide Oligomerization Binding Domain-Like Receptor Signaling Enhances Dendritic Cell-Mediated Cross-Priming In Vivo. Journal of Immunology, 2010, 184, 736-745.	0.4	37
144	A Combined 6Ï€-Azaelectrocyclization/Staudinger Approach to Protein and Cell Engineering: Noninvasive Tumor Targeting by N-Glycan-Engineered Lymphocytes. Journal of Carbohydrate Chemistry, 2010, 29, 118-132.	0.4	32

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