

# Koichi Fukase

## List of Publications by Year in descending order

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294  
papers

15,347  
citations

36691

53  
h-index

25983

112  
g-index

315  
all docs

315  
docs citations

315  
times ranked

16057  
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 BF <sub>3</sub> ·Et <sub>2</sub> O: 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	±Emitting cancer therapy using <sup>211</sup> At-AMT targeting LAT1. Cancer Science, 2021, 112, 1132-1140.		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 Gut-Associated Lymphoid-Tissue-Resident <i>Alcaligenes faecalis</i> : Complete Structure Determination and Chemical Synthesis of Its Lipid...A. Angewandte Chemie - International Edition, 2021, 60, 10023-10031.	7.2	26
10	Lipopolysaccharide from Gut-Associated Lymphoid-Tissue-Resident <i>Alcaligenes faecalis</i> : Complete Structure Determination and Chemical Synthesis of Its Lipid...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 <i>Alcaligenes faecalis</i> 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 N-Glycans and Analysis of Their Recognition by Neuraminidase. Angewandte Chemie - International Edition, 2021, 60, 24686-24693.	7.2	6
14	Chemical Synthesis of Sialyl N-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 <i>Alcaligenes</i> Lipid A as an Adjuvant to Augment Immune Responses to <i>Haemophilus influenzae</i> Type B Conjugate Vaccine. Frontiers in Pharmacology, 2021, 12, 763657.	1.6	4
18	Lipid A-Mediated Bacterial-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. <i>Communications Biology</i> , 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. <i>Processes</i> , 2021, 9, 2221.	1.3	9
21	Characterisation of the Dynamic Interactions between Complex <i>N</i> -Glycans and Human CD22. <i>ChemBioChem</i> , 2020, 21, 129-140.	1.3	16
22	Efficient Synthesis of Antigenic Trisaccharides Containing <i>N</i> -Acetylglucosamine: Protection of NHAc as NAc <sub>2</sub> . <i>European Journal of Organic Chemistry</i> , 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 Glycan-Pathogen Interactions. <i>Journal of Organic Chemistry</i> , 2020, 85, 16014-16023.	1.7	9
24	Temporal analysis of localization and trafficking of glycolipids. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 19-24.	1.0	0
25	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. <i>IScience</i> , 2020, 23, 101231.	1.9	24
26	Total Syntheses of C60- and C100-Dolichols. <i>Journal of Organic Chemistry</i> , 2020, 85, 11549-11559.	1.7	2
27	Chemically Synthesized <i>Alcaligenes</i> Lipid A Shows a Potent and Safe Nasal Vaccine Adjuvant Activity for the Induction of <i>Streptococcus pneumoniae</i> -Specific IgA and Th17 Mediated Protective Immunity. <i>Microorganisms</i> , 2020, 8, 1102.	1.6	16
28	Adjuvant Activity of Synthetic Lipid A of <i>Alcaligenes</i> , a Gut-Associated Lymphoid Tissue-Resident Commensal Bacterium, to Augment Antigen-Specific IgG and Th17 Responses in Systemic Vaccine. <i>Vaccines</i> , 2020, 8, 395.	2.1	18
29	Recent advances in self-adjuvanting glycoconjugate vaccines. <i>Drug Discovery Today: Technologies</i> , 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. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3724-3733.	1.5	3
31	Homeostatic and pathogenic roles of <i>GM3</i> ganglioside molecular species in <i>TLR4</i> signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	3.5	25
32	Pyrazolo[4,3- <i>d</i> ]pyrimidine Derivatives as a Novel Hypoxia-Inducible Factor Prolyl Hydroxylase Domain Inhibitor for the Treatment of Anemia. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1416-1420.	1.3	9
33	Immunological Evaluation of Co-Assembling a Lipidated Peptide Antigen and Lipophilic Adjuvants: Self-Adjuvanting Anti-Breast Cancer Vaccine Candidates. <i>Angewandte Chemie</i> , 2020, 132, 17858-17864.	1.6	0
34	Immunological Evaluation of Co-Assembling a Lipidated Peptide Antigen and Lipophilic Adjuvants: Self-Adjuvanting Anti-Breast Cancer Vaccine Candidates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17705-17711.	7.2	27
35	Deficiency of sphingomyelin synthase 2 prolongs survival by the inhibition of lymphoma infiltration through ICAM-1 reduction. <i>FASEB Journal</i> , 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. <i>Molecules</i> , 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 Tissue-resident <i>Alcaligenes</i> 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 –Renaissance of Radiopharmaceuticals Utilizing Astatine-211 and Actinium-225–. Radioisotopes, 2020, 69, 329-340.	0.1	0
42	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-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 Dectin-1. Angewandte Chemie, 2019, 131, 18870-18875.	1.6	2
44	Syntheses and Functional Studies of Self-Adjuvanting Anti-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	Regioselective Glycosylation by Using Ortho-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 Galactose-Antibody Conjugates to Increase Immune Response by Recruiting Natural Antibodies. Angewandte Chemie, 2019, 131, 4574-4578.	1.6	6
50	Development of Galactose-Antibody Conjugates to Increase Immune Response by Recruiting Natural Antibodies. Angewandte Chemie - International Edition, 2019, 58, 4526-4530.	7.2	23
51	Single-Step Peracetylation and Sulfonation of Sugar Oligomers with Concomitant 1,6-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 N-Acetylglucosamine (GlcNAc)-Containing Glycan. Chemistry - an Asian Journal, 2018, 13, 1544-1551.	1.7	16
54	Lymphoid tissue-resident <i>Alcaligenes</i> 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. <i>Organic and Biomolecular Chemistry</i> , 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. <i>Tetrahedron</i> , 2018, 74, 2239-2244.	1.0	15
57	NPC1L1-dependent intestinal cholesterol absorption requires ganglioside GM3 in membrane microdomains. <i>Journal of Lipid Research</i> , 2018, 59, 2181-2187.	2.0	16
58	The NLRP6 Inflammasome Recognizes Lipoteichoic Acid and Regulates Gram-Positive Pathogen Infection. <i>Cell</i> , 2018, 175, 1651-1664.e14.	13.5	195
59	Porous nanosheet wrapping for live imaging of suspension cells. <i>Journal of Materials Chemistry B</i> , 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. <i>Frontiers in Immunology</i> , 2018, 9, 1888.	2.2	9
61	Syntheses and Immunological Evaluation of Self-Adjuvanting Clustered N-Acetyl and N-Propionyl Sialyl-Tn Combined with a T-helper Cell Epitope as Antitumor Vaccine Candidates. <i>Angewandte Chemie - International Edition</i> , 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. <i>Synlett</i> , 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 Gallium-68 Positron Emission Tomography. <i>ChemBioChem</i> , 2018, 19, 2055-2060.	1.3	7
64	Synthesis of Cyclopropane Fatty Acids by C <sup>3</sup> -C <sup>3</sup> Cross-Coupling Reaction and Formal Synthesis of $\pm$ -Mycolic Acid. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3810-3817.	2.1	4
65	Branched Sialylated &N<i>T</i>-glycans Are Accumulated in Brain Synaptosomes and Interact with Siglec-H. <i>Cell Structure and Function</i> , 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. <i>Innate Immunity</i> , 2018, 24, 323-331.	1.1	8
67	Syntheses and Immunological Evaluation of Self-Adjuvanting Clustered N-Acetyl and N-Propionyl Sialyl-Tn Combined with a T-helper Cell Epitope as Antitumor Vaccine Candidates. <i>Angewandte Chemie</i> , 2018, 130, 8351-8356.	1.6	5
68	Flow Dehydration and Hydrogenation of Allylic Alcohols: Application to the Waste-Free Synthesis of Pristane. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1365-1368.	1.2	10
69	Employing BINOL-Phosphoroselenoyl Chloride for Selective Inositol Phosphorylation and Synthesis of Glycosyl Inositol Phospholipid from <i>Entamoeba histolytica</i> . <i>Chemistry - A European Journal</i> , 2017, 23, 8304-8308.	1.7	15
70	Development of $\pm$ 1,6-fucosyltransferase inhibitors through the diversity-oriented syntheses of GDP-fucose mimics using the coupling between alkyne and sulfonyl azide. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2844-2850.	1.4	12
71	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
72	A Comprehensive Study of the Interaction between Peptidoglycan Fragments and the Extracellular Domain of <i>Mycobacterium tuberculosis</i> Ser/Thr Kinase PknB. <i>ChemBioChem</i> , 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. <i>Journal of Biological Chemistry</i> , 2017, 292, 15378-15394.	1.6	4
74	Total Synthesis of Cardiolipins Containing Chiral Cyclopropane Fatty Acids. <i>Journal of Organic Chemistry</i> , 2017, 82, 7832-7838.	1.7	6
75	Syntheses of N -aryl-protected glucosamines and their stereoselectivity in chemical glycosylations. <i>Tetrahedron Letters</i> , 2017, 58, 3019-3023.	0.7	9
76	Synthesis of Peptidoglycan Fragments from <i>Enterococcus faecalis</i> with Fmoc-Strategy for Glycan Elongation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 27-30.	1.7	11
77	Peptidoglycan microarray as a novel tool to explore protein-ligand recognition. <i>Biopolymers</i> , 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 <i>Acetobacter pasteurianus</i> NBRC 3283. <i>Journal of Biological Chemistry</i> , 2016, 291, 21184-21194.	1.6	23
79	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
80	Isolated Polar Amino Acid Residues Modulate Lipid Binding in the Large Hydrophobic Cavity of CD1d. <i>ACS Chemical Biology</i> , 2016, 11, 3132-3139.	1.6	23
81	Discovery of a Novel Scaffold as an Indoleamine 2,3-Dioxygenase-1 (IDO1) Inhibitor Based on the Pyrrolo-piperazinone Alkaloid, Longamide-B. <i>ChemMedChem</i> , 2016, 11, 2682-2689.	1.6	22
82	Chemical Synthesis of a Complex-Type N-Glycan Containing a Core Fucose. <i>Journal of Organic Chemistry</i> , 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. <i>Scientific Reports</i> , 2016, 6, 35872.	1.6	8
84	Regioselective phosphorylation of myo-inositol with BINOL-derived phosphoramidites and its application for protozoan lysophosphatidylinositol. <i>Organic and Biomolecular Chemistry</i> , 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. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1874-1878.	0.6	9
86	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
87	Synthesis of characteristic <i>Mycobacterium</i> peptidoglycan (PGN) fragments utilizing with chemoenzymatic preparation of meso-diaminopimelic acid (DAP), and their modulation of innate immune responses. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1013-1023.	1.5	39
88	Efficient Synthesis of (S)-Hanishin, (S)-Longamide B, and (S)-Longamide B Methyl Ester through Piperazinone Formation from 1,2-Cyclic Sulfamidates. <i>Synlett</i> , 2016, 27, 616-620.	1.0	11
89	Effective Synthesis of Oligosaccharide under Microfluidic Conditions. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2015, 73, 452-459.	0.0	5
90	Molecular basis for bacterial peptidoglycan recognition by LysM domains. <i>Nature Communications</i> , 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. <i>Synlett</i> , 2014, 25, 1302-1306.	1.0	22
92	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
93	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
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. <i>International Immunology</i> , 2014, 26, 307-314.	1.8	45
95	One-Pot Synthesis of <i>N</i> -Acetyl- and <i>N</i> -Glycolylneuraminic Acid Capped Trisaccharides and Evaluation of Their Influenza A(H1N1) Inhibition. <i>Angewandte Chemie - International Edition</i> , 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. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6380-6386.	1.4	15
97	Practical and Efficient Method for $\pm$ -Sialylation with an Azide Sialyl Donor Using a Microreactor. <i>Journal of Carbohydrate Chemistry</i> , 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. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1412-1418.	1.5	10
99	Revisiting the Bromination of C-H Bonds with Molecular Bromine by Using a Photo-Microflow System. <i>Chemistry - A European Journal</i> , 2014, 20, 12750-12753.	1.7	46
100	Efficient Glycosylation Using In(OTf) <sub>3</sub> as a Lewis Acid: Activation of <i>N</i> -Phenyltrifluoroacetimidate or Thioglycosides with Halogenated Reagents or PhIO. <i>Chemistry Letters</i> , 2014, 43, 956-958.	0.7	15
101	Solid-phase Synthesis of Bacterial Cell Wall Peptidoglycan Fragments. <i>Chemistry Letters</i> , 2014, 43, 1461-1463.	0.7	3
102	Synthesis and biological activity of phosphoglycolipids from <i>Thermus thermophilus</i> . <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5034.	1.5	12
103	Cytotoxic Activity of Ursolic Acid Derivatives Obtained by Isolation and Oxidative Derivatization. <i>Molecules</i> , 2013, 18, 8929-8944.	1.7	37
104	Innate immunomodulation by lipophilic termini of lipopolysaccharide; synthesis of lipid As from <i>Porphyromonas gingivalis</i> and other bacteria and their immunomodulative responses. <i>Molecular BioSystems</i> , 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. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7326.	1.5	24
106	Nickel-Butadiene Catalytic System for the Cross-Coupling of Bromoalkanoic Acids with Alkyl Grignard Reagents: A Practical and Versatile Method for Preparing Fatty Acids. <i>Chemistry - A European Journal</i> , 2013, 19, 2956-2960.	1.7	26
107	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
108	Glycan Sequence-Dependent Nod2 Activation Investigated by Using a Chemically Synthesized Bacterial Peptidoglycan Fragment Library. <i>ChemBioChem</i> , 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. <i>Molecular BioSystems</i> , 2013, 9, 1019.	2.9	5
110	Human SAP Is a Novel Peptidoglycan Recognition Protein That Induces Complement-Independent Phagocytosis of <i>Staphylococcus aureus</i> . <i>Journal of Immunology</i> , 2013, 191, 3319-3327.	0.4	21
111	Structural basis of species-specific endotoxin sensing by innate immune receptor TLR4/MD-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7421-7426.	3.3	290
112	Structural and mechanistic analysis of the membrane-embedded glycosyltransferase WaaA required for lipopolysaccharide synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6253-6258.	3.3	45
113	Bio-imaging and cancer targeting with glycoproteins and N-glycans. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 614-621.	2.8	20
114	Peptidoglycan as Nod1 ligand; fragment structures in the environment, chemical synthesis, and their innate immunostimulation. <i>Natural Product Reports</i> , 2012, 29, 568.	5.2	24
115	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
116	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
117	Structural Characterization of Neutral and Acidic Glycolipids from <i>Thermus thermophilus</i> HB8. <i>PLoS ONE</i> , 2012, 7, e35067.	1.1	8
118	Synthesis and immunomodulatory activities of <i>Helicobacter pylori</i> lipophilic terminus of lipopolysaccharide including lipid A. <i>Carbohydrate Research</i> , 2012, 356, 37-43.	1.1	34
119	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
120	Auxiliary-directed oxidation of ursolic acid by Ruâ€™-porphyrins: chemical modulation of cytotoxicity against tumor cell lines. <i>Tetrahedron Letters</i> , 2012, 53, 1756-1759.	0.7	14
121	Discovery and application of Ruâ€™-azaelectrocyclization to natural product synthesis and synthetic biology. <i>Science China Chemistry</i> , 2012, 55, 19-30.	4.2	10
122	Synthesis of Bacterial Glycoconjugates and Their Bio-functional Studies in Innate Immunity. Yuki Gosei <i>Kagaku Kyokaiishi</i> /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 Ruâ€™-Glycan Derivativesâ€™. In Pursuit of Ruâ€™-Glycan Functions on Proteins, Dendrimers, and Living Cellsâ€™. <i>Trends in Glycoscience and Glycotechnology</i> , 2012, 24, 47-64.	0.0	2
124	Target-selective fluorescent â€™switch-onâ€™-protein labeling by Ruâ€™-azaelectrocyclization. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5346.	1.5	18
125	Structures, Synthesis, and Human Nod1 Stimulation of Immunostimulatory Bacterial Peptidoglycan Fragments in the Environment. <i>Journal of Natural Products</i> , 2011, 74, 518-525.	1.5	24
126	Reinvestigation of the C5-acetamide sialic acid donor for Ruâ€™-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	Chemical Synthesis of <i>Helicobacter pylori</i> Lipopolysaccharide Partial Structures and their Selective Proinflammatory Responses. <i>Chemistry - A European Journal</i> , 2011, 17, 14464-14474.	1.7	71
129	Failure of mycoplasma lipoprotein MALP-2 to induce NK cell activation through dendritic cell TLR2. <i>Microbes and Infection</i> , 2011, 13, 350-358.	1.0	25
130	Stereoselective Glycosylation of 3-Deoxy-d-manno-2-octulosonic Acid with Batch and Microfluidic Methods. <i>Synlett</i> , 2011, 2011, 2359-2362.	1.0	10
131	Exploring a Unique Reactivity of 6- <i>Å</i> -Azoelectrocyclization 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
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