

Jun Guo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Visualizing Metabolically Labeled Glycoconjugates of Living Cells by Copper-Free and Fast Huisgen Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2253-2255.	13.8	825
2	Protein Modification by Strain-Promoted Alkyne-Nitrone Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3065-3068.	13.8	193
3	Metal-Free Sequential [3 + 2]-Dipolar Cycloadditions using Cyclooctynes and 1,3-Dipoles of Different Reactivity. <i>Journal of the American Chemical Society</i> , 2011, 133, 949-957.	13.7	187
4	Rapid and Ratiometric Fluorescent Detection of Cysteine with High Selectivity and Sensitivity by a Simple and Readily Available Probe. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17543-17550.	8.0	169
5	Synthesis of a molecular trefoil knot by folding and closing on an octahedral coordination template. <i>Nature Chemistry</i> , 2010, 2, 218-222.	13.6	150
6	Strain-Promoted Alkyne-Azide Cycloadditions (SPAAC) Reveal New Features of Glycoconjugate Biosynthesis. <i>ChemBioChem</i> , 2011, 12, 1912-1921.	2.6	132
7	Knot tied around an octahedral metal centre. <i>Nature</i> , 2001, 411, 763-763.	27.8	91
8	IgG Antibody Response Elicited by a Fully Synthetic Two-Component Carbohydrate-Based Cancer Vaccine Candidate with β -Galactosylceramide as Built-in Adjuvant. <i>Organic Letters</i> , 2017, 19, 456-459.	4.6	72
9	Visible-Light-Induced Specific Desulfurization of CysteinyI Peptide and Glycopeptide in Aqueous Solution. <i>Organic Letters</i> , 2016, 18, 1166-1169.	4.6	66
10	Selective and reversible photochemical derivatization of cysteine residues in peptides and proteins. <i>Chemical Science</i> , 2014, 5, 1591-1598.	7.4	63
11	Convergent Assembly and Surface Modification of Multifunctional Dendrimers by Three Consecutive Click Reactions. <i>Chemistry - A European Journal</i> , 2011, 17, 839-846.	3.3	57
12	Multifunctional Surface Modification of Gold-Stabilized Nanoparticles by Bioorthogonal Reactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 11147-11153.	13.7	54
13	The Molecular Basis of Inhibition of Golgi β -Mannosidase II by Mannostatin A. <i>ChemBioChem</i> , 2009, 10, 268-277.	2.6	35
14	Tetradecanuclear Molybdenum(Tungsten)/Copper/Sulfur Heterobimetallic Clusters[(nBu) ₄ N] ₄ [M ₄ Cu ₁₀ S ₁₆ O ₂ E]·H ₂ O,(M= Mo, E= O; M= W, E= 1/2O+ 1/2S). <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2464-2466.	4.4	33
15	Synthesis and Evaluation of Liposomal Anti-GM3 Cancer Vaccine Candidates Covalently and Noncovalently Adjuvanted by β -GalCer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1951-1965.	6.4	32
16	A simple solid phase diversity linker strategy using enol phosphonates. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2725.	2.8	29
17	Two-step bioorthogonal activity-based proteasome profiling using copper-free click reagents: A comparative study. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 662-666.	3.0	26
18	Nonpeptide-Based Small-Molecule Probe for Fluorogenic and Chromogenic Detection of Chymotrypsin. <i>Analytical Chemistry</i> , 2017, 89, 3687-3693.	6.5	26

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19	Liposomal Antitumor Vaccines Targeting Mucin 1 Elicit a Lipid-Dependent Immunodominant Response. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2116-2121.	3.3	25
20	Multifunctional Protein Conjugates with Built-in Adjuvant (Adjuvant-Protein-Antigen) as Cancer Vaccines Boost Potent Immune Responses. <i>IScience</i> , 2020, 23, 100935.	4.1	25
21	Coordination Polymers Based on Organic-Inorganic Hybrid Rigid Rod Comprising a Backbone of Anderson-Evans POMs. <i>Crystal Growth and Design</i> , 2019, 19, 925-931.	3.0	23
22	Self-Adjuvanting Lipoprotein Conjugate $\hat{\pm}$ GalCer-RBD Induces Potent Immunity against SARS-CoV-2 and its Variants of Concern. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2558-2570.	6.4	23
23	Surface Modification of Polymeric Micelles by Strain-Promoted Alkyne-Azide Cycloadditions. <i>Chemistry - A European Journal</i> , 2010, 16, 13360-13366.	3.3	22
24	NKT-cell glycolipid agonist as adjuvant in synthetic vaccine. <i>Carbohydrate Research</i> , 2017, 452, 78-90.	2.3	21
25	MPLA-Adjuvanted Liposomes Encapsulating S-Trimer or RBD or S1, but Not S-ECD, Elicit Robust Neutralization Against SARS-CoV-2 and Variants of Concern. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 3563-3574.	6.4	21
26	Convergent Synthesis of <i>N</i> -Linked Glycopeptides via Aminolysis of γ -Asp <i>p</i> -Nitrophenyl Thioesters in Solution. <i>Organic Letters</i> , 2016, 18, 4828-4831.	4.6	20
27	Peptide-free Synthetic Nicotine Vaccine Candidates with $\hat{\pm}$ -Galactosylceramide as Adjuvant. <i>Molecular Pharmaceutics</i> , 2019, 16, 1467-1476.	4.6	18
28	RBD conjugate vaccine with a built-in TLR1/2 agonist is highly immunogenic against SARS-CoV-2 and variants of concern. <i>Chemical Communications</i> , 2022, 58, 2120-2123.	4.1	17
29	Phosphinates as new electrophilic partners for cross-coupling reactions. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4053.	2.8	15
30	Preparation of Protein Conjugates via Homobifunctional Diselenoester Cross-Linker. <i>Organic Letters</i> , 2016, 18, 5796-5799.	4.6	15
31	Glycopeptide ligation via direct aminolysis of selenoester. <i>Chinese Chemical Letters</i> , 2018, 29, 1127-1130.	9.0	13
32	Peptidyl γ -Asp Selenoesters Enable Efficient Synthesis of <i>N</i> -Linked Glycopeptides. <i>Frontiers in Chemistry</i> , 2020, 8, 396.	3.6	12
33	Alum Adjuvant and Built-in TLR7 Agonist Synergistically Enhance Anti-MUC1 Immune Responses for Cancer Vaccine. <i>Frontiers in Immunology</i> , 2022, 13, 857779.	4.8	12
34	Heterothiometallic clusters as robust and efficient copper(I) catalysts for azide-alkyne [3 + 2] cycloadditions. <i>Catalysis Communications</i> , 2016, 73, 103-108.	3.3	10
35	Potent Neutralizing Antibodies Elicited by RBD-Fc-Based COVID-19 Vaccine Candidate Adjuvanted by the Th2-Skewing iNKT Cell Agonist. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11554-11569.	6.4	9
36	A protein vaccine with Alum/c-GAMP/poly(I:C) rapidly boosts robust immunity against SARS-CoV-2 and variants of concern. <i>Chemical Communications</i> , 2022, 58, 3925-3928.	4.1	9

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37	Synthesis of Transition-State Inhibitors of Chorismate Utilizing Enzymes from Bromobenzene <i>cis</i> -1,2-Dihydrodiol. <i>Journal of Organic Chemistry</i> , 2017, 82, 3432-3440.	3.2	7
38	Polyfluorophenyl Ester-Terminated Homobifunctional Cross-Linkers for Protein Conjugation. <i>Synlett</i> , 2017, 28, 1934-1938.	1.8	7
39	Adjuvant-Protein Conjugate Vaccine with Built-In TLR7 Agonist on S1 Induces Potent Immunity against SARS-CoV-2 and Variants of Concern. <i>ACS Infectious Diseases</i> , 2022, 8, 1367-1375.	3.8	7
40	MUC1 Specific Immune Responses Enhanced by Coadministration of Liposomal DDA/MPLA and Lipoglycopeptide. <i>Frontiers in Chemistry</i> , 2022, 10, 814880.	3.6	6
41	Selective Inhibition of Glycosidases by Feedback Prodrugs. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5345-5348.	13.8	5
42	A Chemo-Mechanical Tweezer for Single-Molecular Characterization of Soft Materials. <i>Chemistry - A European Journal</i> , 2012, 18, 4568-4574.	3.3	3
43	Correction to Coordination Polymers Based on Organic-Inorganic Hybrid Rigid Rod Comprising a Backbone of Anderson-Evans POMs. <i>Crystal Growth and Design</i> , 2020, 20, 514-514.	3.0	0