

Peng Wu

List of Publications by Year in descending order

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76
papers

5,880
citations

87723

38
h-index

74018

75
g-index

108
all docs

108
docs citations

108
times ranked

5541
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycoengineering of NK Cells with Glycan Ligands of CD22 and Selectins for Bâ€Cell Lymphoma Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3603-3610.	7.2	44
2	Sulfur [¹⁸ F]Fluoride Exchange Click Chemistry Enabled Ultrafast Late-Stage Radiosynthesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 3753-3763.	6.6	89
3	SuFExable polymers with helical structures derived from thionyl tetrafluoride. <i>Nature Chemistry</i> , 2021, 13, 858-867.	6.6	74
4	Modulation of Siglec-7 Signaling Via In Situ-Created High-Affinity <i>cis</i> -Ligands. <i>ACS Central Science</i> , 2021, 7, 1338-1346.	5.3	27
5	Glycoengineering of NK Cells with Glycan Ligands of CD22 and Selectins for Bâ€Cell Lymphoma Therapy. <i>Angewandte Chemie</i> , 2021, 133, 3647-3654.	1.6	2
6	Chain-Growth Sulfur(VI) Fluoride Exchange Polycondensation: Molecular Weight Control and Synthesis of Degradable Polysulfates. <i>ACS Central Science</i> , 2021, 7, 1919-1928.	5.3	13
7	Detecting Tumor Antigen-Specific T Cells via Interaction-Dependent Fucosyl-Biotinylation. <i>Cell</i> , 2020, 183, 1117-1133.e19.	13.5	66
8	In Situ Fucosylation of the Wnt Co-receptor LRP6 Increases Its Endocytosis and Reduces Wnt/ β -Catenin Signaling. <i>Cell Chemical Biology</i> , 2020, 27, 1140-1150.e4.	2.5	9
9	Preparation of aryl polysulfonates <i>via</i> a highly efficient SuFEx click reaction, their controllable degradation and functionalized behavior. <i>Polymer Chemistry</i> , 2020, 11, 3120-3124.	1.9	17
10	hFUT1-Based Live-Cell Assay To Profile α 1-2-Fucoside-Enhanced Influenza Virus A Infection. <i>ACS Chemical Biology</i> , 2020, 15, 819-823.	1.6	4
11	Direct Visualization of Live Zebrafish Glycans via Single-Step Metabolic Labeling with Fluorophore-Tagged Nucleotide Sugars. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14327-14333.	7.2	17
12	Direct Visualization of Live Zebrafish Glycans via Single-Step Metabolic Labeling with Fluorophore-Tagged Nucleotide Sugars. <i>Angewandte Chemie</i> , 2019, 131, 14465-14471.	1.6	5
13	Stage-Specific and Selective Delivery of Caged Azidosugars into the Intracellular Parasite <i>Toxoplasma gondii</i> by Using an Esterase-Ester Pair Technique. <i>MSphere</i> , 2019, 4, .	1.3	1
14	Biocompatible SuFEx Click Chemistry: Thionyl Tetrafluoride (SO ₄)-Derived Connective Hubs for Bioconjugation to DNA and Proteins (<i>Angew. Chem.</i> 24/2019). <i>Angewandte Chemie</i> , 2019, 131, 8328-8328.	1.6	2
15	Biocompatible SuFEx Click Chemistry: Thionyl Tetrafluoride (SO ₄)-Derived Connective Hubs for Bioconjugation to DNA and Proteins. <i>Angewandte Chemie</i> , 2019, 131, 8113-8117.	1.6	23
16	Biocompatible SuFEx Click Chemistry: Thionyl Tetrafluoride (SO ₄)-Derived Connective Hubs for Bioconjugation to DNA and Proteins. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8029-8033.	7.2	90
17	Bacterial glycosyltransferase-mediated cell-surface chemoenzymatic glycan modification. <i>Nature Communications</i> , 2019, 10, 1799.	5.8	46
18	Novel Approaches to Access Arylfluorosulfates and Sulfamoyl Fluorides Based on Sulfur (VI) Fluoride Exchange. <i>Current Protocols in Chemical Biology</i> , 2019, 11, e64.	1.7	4

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19	Cryo-EM structure of L-fucokinase/GDP-fucose pyrophosphorylase (FKP) in <i>Bacteroides fragilis</i> . <i>Protein and Cell</i> , 2019, 10, 365-369.	4.8	6
20	CHAPTER 1. New Polymers From SuFEx Click Chemistry: Syntheses and Perspectives. <i>RSC Polymer Chemistry Series</i> , 2019, , 1-31.	0.1	6
21	Cell-based glycan arrays for probing glycan-glycan binding protein interactions. <i>Nature Communications</i> , 2018, 9, 880.	5.8	94
22	SuFEx Click Chemistry Enabled Late-Stage Drug Functionalization. <i>Journal of the American Chemical Society</i> , 2018, 140, 2919-2925.	6.6	209
23	Engineered Glycocalyx Regulates Stem Cell Proliferation in Murine Crypt Organoids. <i>Cell Chemical Biology</i> , 2018, 25, 439-446.e5.	2.5	14
24	Modulating Cell-Surface Receptor Signaling and Ion Channel Functions by In-Situ Glycan Editing. <i>Angewandte Chemie</i> , 2018, 130, 979-983.	1.6	4
25	SuFEx Chemistry of Thionyl Tetrafluoride (SO ₂ F ₄) with Organolithium Nucleophiles: Synthesis of Sulfonimidoyl Fluorides, Sulfoximines, Sulfonimidamides, and Sulfonimidates. <i>Angewandte Chemie</i> , 2018, 130, 1957-1961.	1.6	43
26	Modulating Cell-Surface Receptor Signaling and Ion Channel Functions by In-Situ Glycan Editing. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 967-971.	7.2	26
27	SuFEx Chemistry of Thionyl Tetrafluoride (SO ₂ F ₄) with Organolithium Nucleophiles: Synthesis of Sulfonimidoyl Fluorides, Sulfoximines, Sulfonimidamides, and Sulfonimidates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1939-1943.	7.2	108
28	Sialyltransferase-Based Chemoenzymatic Histology for the Detection of N- and O-Glycans. <i>Bioconjugate Chemistry</i> , 2018, 29, 1231-1239.	1.8	24
29	Inhibition of Delta-induced Notch signaling using fucose analogs. <i>Nature Chemical Biology</i> , 2018, 14, 65-71.	3.9	46
30	A Single-Step Chemoenzymatic Reaction for the Construction of Antibody-Cell Conjugates. <i>ACS Central Science</i> , 2018, 4, 1633-1641.	5.3	59
31	Antibody selection using clonal cocultivation of <i>Escherichia coli</i> and eukaryotic cells in miniecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6145-E6151.	3.3	9
32	Tools for Studying Glycans: Recent Advances in Chemoenzymatic Glycan Labeling. <i>ACS Chemical Biology</i> , 2017, 12, 611-621.	1.6	100
33	Multidimensional SuFEx Click Chemistry: Sequential Sulfur(VI) Fluoride Exchange Connections of Diverse Modules Launched From An SO ₂ F ₄ Hub. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2903-2908.	7.2	136
34	Bifluoride-catalysed sulfur(VI) fluoride exchange reaction for the synthesis of polysulfates and polysulfonates. <i>Nature Chemistry</i> , 2017, 9, 1083-1088.	6.6	222
35	SuFEx-Based Polysulfonate Formation from Ethenesulfonyl Fluoride-Amine Adducts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11203-11208.	7.2	123
36	SuFEx-Based Polysulfonate Formation from Ethenesulfonyl Fluoride-Amine Adducts. <i>Angewandte Chemie</i> , 2017, 129, 11355-11360.	1.6	34

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37	Visualizing glycans on single cells and tissuesâ€“Visualizing glycans on single cells and tissues. <i>Current Opinion in Chemical Biology</i> , 2017, 39, 39-45.	2.8	14
38	Multidimensional SuFEx Click Chemistry: Sequential Sulfur(VI) Fluoride Exchange Connections of Diverse Modules Launched From An SOF₄ Hub. <i>Angewandte Chemie</i> , 2017, 129, 2949-2954.	1.6	50
39	Palladiumâ€Catalyzed Fluorosulfonylvinylation of Organic Iodides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4849-4852.	7.2	95
40	Palladiumâ€Catalyzed Fluorosulfonylvinylation of Organic Iodides. <i>Angewandte Chemie</i> , 2017, 129, 4927-4930.	1.6	31
41	A Chemoenzymatic Histology Method for Oâ€GlcNAc Detection. <i>ChemBioChem</i> , 2017, 18, 2416-2421.	1.3	23
42	Fabrication of Photocontrolled Surfaces for Oil/Water Separation through Sulfur(VI) Fluoride Exchange. <i>Chemistry - A European Journal</i> , 2017, 23, 14712-14717.	1.7	25
43	RÃ¼cktitelbild: SuFExâ€Based Polysulfonate Formation from Ethenesulfonyl Fluorideâ€Amine Adducts (<i>Angew. Chem.</i> 37/2017). <i>Angewandte Chemie</i> , 2017, 129, 11428-11428.	1.6	0
44	An in vitro tag-and-modify protein sample generation method for single-molecule fluorescence resonance energy transfer. <i>Journal of Biological Chemistry</i> , 2017, 292, 15636-15648.	1.6	4
45	Profiling of Protein <i>O</i>-GlcNAcylation in Murine CD8⁺ Effector- and Memory-like T Cells. <i>ACS Chemical Biology</i> , 2017, 12, 3031-3038.	1.6	17
46	Chemical Glycobiology. <i>Glycobiology</i> , 2016, 26, 788-788.	1.3	7
47	A Heckâ€Matsuda Process for the Synthesis of Î²â€Arylethenesulfonyl Fluorides: Selectively Addressable Bisâ€electrophiles for SuFEx Click Chemistry. <i>Angewandte Chemie</i> , 2016, 128, 14361-14364.	1.6	46
48	A Heckâ€Matsuda Process for the Synthesis of Î²â€Arylethenesulfonyl Fluorides: Selectively Addressable Bisâ€electrophiles for SuFEx Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14155-14158.	7.2	151
49	Controlling Sulfuryl-Transfer Biology. <i>Cell Chemical Biology</i> , 2016, 23, 579-586.	2.5	11
50	Synthesis of Sulfotyrosineâ€Containing Peptides by Incorporating Fluorosulfated Tyrosine Using an Fmocâ€Based Solidâ€Phase Strategy. <i>Angewandte Chemie</i> , 2016, 128, 1867-1870.	1.6	17
51	Synthesis of Sulfotyrosineâ€Containing Peptides by Incorporating Fluorosulfated Tyrosine Using an Fmocâ€Based Solidâ€Phase Strategy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1835-1838.	7.2	43
52	Chemoselective Synthesis of Polysubstituted Pyridines from Heteroaryl Fluorosulfates. <i>Chemistry - A European Journal</i> , 2016, 22, 5692-5697.	1.7	72
53	Discovery of Autophagy Inhibitors with Antiproliferative Activity in Lung and Pancreatic Cancer Cells. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 134-139.	1.3	33
54	Tracking Surface Glycans on Live Cancer Cells with Singleâ€Molecule Sensitivity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1765-1769.	7.2	62

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55	CHoMP: A Chemoenzymatic Histology Method Using Clickable Probes. <i>ChemBioChem</i> , 2014, 15, 2667-2673.	1.3	14
56	Biocompatible click chemistry enabled compartment-specific pH measurement inside <i>E. coli</i> . <i>Nature Communications</i> , 2014, 5, 4981.	5.8	91
57	Monitoring Dynamic Glycosylation in Vivo Using Supersensitive Click Chemistry. <i>Bioconjugate Chemistry</i> , 2014, 25, 698-706.	1.8	77
58	Negative feedback regulation of Wnt signaling via N-linked fucosylation in zebrafish. <i>Developmental Biology</i> , 2014, 395, 268-286.	0.9	11
59	Chemical probing of glycans in cells and organisms. <i>Chemical Society Reviews</i> , 2013, 42, 4284-4296.	18.7	56
60	O ⁶ -GlcNAcylation of nuclear proteins in the protozoan parasite <i>Toxoplasma gondii</i> . <i>FASEB Journal</i> , 2013, 27, 826.1.	0.2	0
61	Imaging the Glycome in Living Systems. <i>Methods in Enzymology</i> , 2012, 505, 401-419.	0.4	8
62	Click Triazoles for Bioconjugation. <i>Topics in Heterocyclic Chemistry</i> , 2012, 28, 163-183.	0.2	44
63	Metabolic Labeling of Fucosylated Glycans in Developing Zebrafish. <i>ACS Chemical Biology</i> , 2011, 6, 547-552.	1.6	94
64	Metabolic labeling of fucosylated glycoproteins in <i>Bacteroidales</i> species. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4989-4992.	1.0	45
65	Sulfated Ligands for the Copper(I)-Catalyzed Azide-Alkyne Cycloaddition. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2796-2802.	1.7	95
66	Tracking N-Acetylglucosamine on Cell Surface Glycans in Vivo. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4113-4118.	7.2	81
67	Increasing the Efficacy of Bioorthogonal Click Reactions for Bioconjugation: A Comparative Study. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8051-8056.	7.2	370
68	Chemoenzymatic synthesis of the sialyl Lewis X glycan and its derivatives. <i>Carbohydrate Research</i> , 2010, 345, 1107-1113.	1.1	18
69	Biocompatible Copper(I) Catalysts for in Vivo Imaging of Glycans. <i>Journal of the American Chemical Society</i> , 2010, 132, 16893-16899.	6.6	350
70	Chemoenzymatic synthesis of GDP-fucose and the Lewis X glycan derivatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16096-16101.	3.3	116
71	Role of architecture and molecular weight in the formation of tailor-made ultrathin multilayers using dendritic macromolecules and click chemistry. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2835-2846.	2.5	113
72	Just Click It: Undergraduate Procedures for the Copper(I)-Catalyzed Formation of 1,2,3-Triazoles from Azides and Terminal Acetylenes. <i>Journal of Chemical Education</i> , 2005, 82, 1833.	1.1	52

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73	Multivalent, bifunctional dendrimers prepared by click chemistry. <i>Chemical Communications</i> , 2005, , 5775.	2.2	416
74	Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3928-3932.	7.2	1,089
75	Cover Picture: Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes (<i>Angew. Chem. Int. Ed.</i> 30/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3863-3863.	7.2	8
76	Fucosylation Promotes Cytolytic Function and Accumulation of NK Cells in B Cell Lymphoma. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7