Pengfei Wang

List of Publications by Year
in descending order

35 papers	900 citations	471509 17 h-index	477307 29 g-index
38 all docs	38 docs citations	38 times ranked	752 citing authors

#	Article	IF	Citations
1	Synthesis of the Potent Immunostimulatory Adjuvant QS-21A. Journal of the American Chemical Society, 2005, 127, 3256-3257.	13.7	86
2	Drug Interactions with Bacillus anthracis Topoisomerase IV: Biochemical Basis for Quinolone Action and Resistance. Biochemistry, 2012, 51, 370-381.	2.5	79
3	Photolabile Protecting Groups: Structure and Reactivity. Asian Journal of Organic Chemistry, 2013, 2, 452-464.	2.7	71
4	Novel Photolabile Protecting Group for Carbonyl Compounds. Organic Letters, 2007, 9, 1533-1535.	4.6	60
5	Natural and Synthetic Saponins as Vaccine Adjuvants. Vaccines, 2021, 9, 222.	4.4	58
6	Simple Glycosylation Reaction of Allyl Glycosides. Journal of Organic Chemistry, 2007, 72, 5870-5873.	3.2	49
7	Sequential Removal of Photolabile Protecting Groups for Carbonyls with Controlled Wavelength. Journal of Organic Chemistry, 2008, 73, 6152-6157.	3.2	35
8	Application of the Excited State Meta Effect in Photolabile Protecting Group Design. Organic Letters, 2007, 9, 2831-2833.	4.6	34
9	Development of Trityl-Based Photolabile Hydroxyl Protecting Groups. Journal of Organic Chemistry, 2011, 76, 5873-5881.	3.2	30
10	Development of a Photolabile Carbonyl-Protecting Group Toolbox. Journal of Organic Chemistry, 2011, 76, 2040-2048.	3.2	29
11	Facilitated photochemical cleavage of benzylic Câ€“O bond. Application to photolabile hydroxyl-protecting group design. Chemical Communications, 2010, 46, 1514-1516.	4.1	25
12	Synthesis of QS-21-Based Immunoadjuvants. Journal of Organic Chemistry, 2013, 78, 11525-11534.	3.2	25
13	Photochemical Formation and Cleavage of Câ€“N Bond. Organic Letters, 2015, 17, 170-172.	4.6	24
14	Structurally Simple Benzyl-Type Photolabile Protecting Groups for Direct Release of Alcohols and Carboxylic Acids. Organic Letters, 2015, 17, 2114-2117.	4.6	23
15	Photolabile Carbonyl Protecting Group: A New Tool for Lightâ€Controlled Release of Anticancer Agents. European Journal of Organic Chemistry, 2009, 2009, 2055-2058.	2.4	20
16	Installation of Photolabile Carbonyl-Protecting Groups under Neutral Conditions without Using Any Other Chemical Reagents. European Journal of Organic Chemistry, 2009, 2009, 208-211.	2.4	19
17	Photochemical Cleavage of Benzylic Câ€“N Bond To Release Amines. Journal of Organic Chemistry, 2016, 81, 6195-6200.	3.2	19
18	Developing photolabile protecting groups based on the excited state meta effect. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 335, 300-310.	3.9	18

#	Article	IF	Citations
19	Synthesis and Evaluation of QS-21-Based Immunoadjuvants with a Terminal-Functionalized Side Chain Incorporated in the West Wing Trisaccharide. Journal of Organic Chemistry, 2016, 81, 9560-9566.	3.2	17
20	Synthesis and Evaluation of QS-7-Based Vaccine Adjuvants. ACS Infectious Diseases, 2019, 5, 974-981.	3.8	17
21	Facile glycosylation strategy with two-stage activation of allyl glycosyl donors. Application to concise synthesis of Shigella flexneri serotype Y O-antigen. Organic and Biomolecular Chemistry, 2010, 8, 4322.	2.8	16
22	Concise synthesis of Bacillus anthracis exosporium tetrasaccharide via two-stage activation of allyl glycosyl donor strategy. Tetrahedron Letters, 2011, 52, 3912-3915.	1.4	16
23	Photochemical Cleavage of Benzylic Câ€“O Bond Facilitated by an Ortho or Meta Amino Group. Journal of Organic Chemistry, 2017, 82, 7309-7316.	3.2	16
24	Synthesis and Evaluation of a QS-17/18-Based Vaccine Adjuvant. Journal of Medicinal Chemistry, 2019, 62, 1669-1676.	6.4	15
25	Development of hydrophilic photolabile hydroxyl protecting groups. Photochemical and Photobiological Sciences, 2012, 11, 514-517.	2.9	13
26	Structural Effect on Adjuvanticity of Saponins. Journal of Medicinal Chemistry, 2020, 63, 3290-3297.	6.4	13
27	Oxidation with a Photolabile Carbonyl Protecting Group. Journal of Organic Chemistry, 2011, 76, 8955-8961.	3.2	12
28	Mechanistic Study of Glycosylation Using a Prop-1-enyl Donor. Journal of Organic Chemistry, 2013, 78, 1858-1863.	3.2	12
29	Vaccine Adjuvants Derivatized from Momordica Saponins I and II. Journal of Medicinal Chemistry, 2019, 62, 9976-9982.	6.4	11
30	Structurally Simple Benzylidene-Type Photolabile Diol Protecting Groups. Organic Letters, 2016, 18, 5396-5399.	4.6	9
31	Application of new photolabile protecting groups as photocleavable joints of block copolymers. Chemical Communications, 2013, 49, 9636.	4.1	8
32	1-[3-(Diethylamino)phenyl]ethyl (DEAPE): A Photolabile Protecting Group for Hydroxyl and Carboxyl Groups. Journal of Organic Chemistry, 2018, 83, 10736-10742.	3.2	8
33	Concise route to the key intermediate for divergent synthesis of C7-substituted fluoroquinolone derivatives. Tetrahedron Letters, 2010, 51, 600-601.	1.4	5
34	Impact of C28 Oligosaccharide on Adjuvant Activity of QS-7 Analogues. Journal of Organic Chemistry, 2020, 85, 15837-15848.	3.2	5
35	Using the 3-Diethylaminobenzyl Group as a Photocage in Aqueous Solution. Journal of Organic Chemistry, 2018, 83, 7459-7466.	3.2	3