Zhi-Ming Wang

List of Publications by Year
in descending order

54 papers	1,956 citations	279798 23 h-index	265206 42 g-index
56 all docs	56 docs citations	56 times ranked	1883 citing authors

#	Article	IF	Citations
1	Phosphine catalysis of allenes with electrophiles. Chemical Society Reviews, 2014, 43, 2927-2940.	38.1	470
2	Cytotoxicity study of polyethylene glycol derivatives. RSC Advances, 2017, 7, 18252-18259.	3.6	132
3	l-Proline promoted Ullmann-type reaction of vinyl bromides with imidazoles in ionic liquids. Chemical Communications, 2005, , 2849.	4.1	76
4	Recent development on the [5+2] cycloadditions and their application in natural product synthesis. Chemical Communications, 2019, 55, 1859-1878.	4.1	65
5	FeCl3Â·6H2O-Catalyzed Intramolecular Allylic Amination: Synthesis of Substituted Dihydroquinolines and Quinolines. Journal of Organic Chemistry, 2012, 77, 8615-8620.	3.2	64
6	A practical synthesis of Î±-bromo/iodo/chloroketones from olefins under visible-light irradiation conditions. Chinese Chemical Letters, 2021, 32, 429-432.	9.0	61
7	Aplexone targets the HMG-CoA reductase pathway and differentially regulates arteriovenous angiogenesis. Development (Cambridge), 2011, 138, 1173-1181.	2.5	59
8	Diversity Through a Branched Reaction Pathway: Generation of Multicyclic Scaffolds and Identification of Antimigratory Agents. Chemistry - A European Journal, 2011, 17, 649-654.	3.3	57
9	An effective synthesis of bromoesters from aromatic aldehydes using tribromide ionic liquid based on l-prolinol as reagent and reaction medium under mild conditions. Green Chemistry, 2006, 8, 1028.	9.0	51
10	Multicomponent Copolycondensates via the Simultaneous Hantzsch and Biginelli Reactions. ACS Macro Letters, 2015, 4, 1189-1193.	4.8	45
11	Visibleâ€Lightâ€Induced Alkoxylation of Quinoxalinâ€2(1H)â€ones with Alcohols for the Synthesis of Heteroaryl Ethers. Advanced Synthesis and Catalysis, 2019, 361, 5363-5370.	4.3	45
12	The Hantzsch reaction in polymer chemistry: synthesis and tentative application. Polymer Chemistry, 2017, 8, 7290-7296.	3.9	42
13	Training the old dog new tricks: the applications of the Biginelli reaction in polymer chemistry. Science China Chemistry, 2016, 59, 1541-1547.	8.2	40
14	Postpolymerization Modification of Poly(dihydropyrimidin-2(1H)-thione)s via the Thioureaâ€“Haloalkane Reaction to Prepare Functional Polymers. ACS Macro Letters, 2015, 4, 843-847.	4.8	39
15	Metal-free synthesis of allylic amines by cross-dehydrogenative-coupling of 1,3-diarylpropenes with anilines and amides under mild conditions. Organic and Biomolecular Chemistry, 2012, 10, 4249.	2.8	38
16	[4 + 2] Annulation of 3-Nitroindoles with Alkylidene Malononitriles: Entry to Substituted Carbazol-4-amine Derivatives. Journal of Organic Chemistry, 2018, 83, 12568-12574.	3.2	33
17	HFIP-catalyzed direct dehydroxydifluoroalkylation of benzylic and allylic alcohols with difluoroenoxysilanes. Chemical Communications, 2021, 57, 1050-1053.	4.1	33
18	Visible-light-induced novel cyclization of 2-(2-(arylethynyl)benzylidene)-malononitrile derivatives with 2,6-di(tert-butyl)-4-methylphenol to bridged spirocyclic compounds. Chinese Chemical Letters, 2022, 33, 5069-5073.	9.0	33

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19	Iron oxide-silver magnetic nanoparticles as simple heterogeneous catalysts for the direct inter/intramolecular nucleophilic substitution of Ï€-activated alcohols with electron-deficient amines. Tetrahedron, 2015, 71, 5254-5259.	1.9	29
20	Nazarov cyclization of 1,4-pentadien-3-ols: preparation of cyclopenta[b]indoles and spiro[indene-1,4â€²-quinoline]s. Chemical Communications, 2016, 52, 2811-2814.	4.1	29
21	Asymmetric Palladium-Catalyzed Câ€“H Functionalization Cascade for Synthesis of Chiral 3,4-Dihydroisoquinolones. Journal of Organic Chemistry, 2019, 84, 12835-12847.	3.2	29
22	Catalytic Enantioselective Synthesis of Guvacine Derivatives through [4 + 2] Annulations of Imines with Î±-Methylallenoates. Organic Letters, 2018, 20, 6089-6093.	4.6	28
23	HFIP-Catalyzed Difluoroalkylation of Propargylic Alcohols to Access Tetrasubstituted Difluoroalkyl Allenes. Organic Letters, 2021, 23, 7264-7269.	4.6	26
24	I₂-Catalyzed Three-Component Consecutive Reaction for the Synthesis of 3-Aroylimidazo[1,2-a]-N-Heterocycles. Journal of Organic Chemistry, 2021, 86, 6239-6246.	3.2	24
25	Reversal of Regioselectivity in Nucleophilic Difluoroalkylation of Î±,Î²-Enones Employing In Situ-Formed Sterically Encumbered Silylium Catalyst. Organic Letters, 2021, 23, 5859-5864.	4.6	24
26	Fluorescent Cell-Conjugation by a Multifunctional Polymer: A New Application of the Hantzsch Reaction. ACS Macro Letters, 2017, 6, 550-555.	4.8	22
27	[3,3]-Sigmatropic Rearrangement/Hallerâ€“Bauer Reaction of Aryl Sulfoxides and Selenoxides with Difluoroenoxysilanes: Access to CF₂H-Containing Chalcogenides. Organic Letters, 2020, 22, 1164-1168.	4.6	21
28	HFIP-catalyzed highly diastereoselective formal [4Â+Â2] cyclization to synthesize difluorinated multisubstituted chromans using difluoroenoxysilanes as C2 synthons. Chinese Chemical Letters, 2022, 33, 3007-3011.	9.0	21
29	Cascade Cyclization of Azadienes with Difluoroenoxysilanes: A One-Pot Formal [4 + 2] Approach to Fluorinated Polyfused Heterocycles. Organic Letters, 2021, 23, 9526-9532.	4.6	21
30	Palladium-catalyzed direct C2-arylation of azoles with aromatic triazenes. Organic and Biomolecular Chemistry, 2019, 17, 9209-9216.	2.8	20
31	ortho-Ethynyl group assisted regioselective and diastereoselective [2 + 2] cross-photocycloaddition of alkenes under photocatalyst-, additive-, and solvent-free conditions. Organic Chemistry Frontiers, 2021, 8, 5872-5887.	4.5	20
32	Palladium-Catalyzed [4+2] Annulation of Aryl and Alkenyl Carboxamides with 1,3-Dienes via Câ€“H Functionalization: Synthesis of 3,4-Dihydroisoquinolones and 5,6-Dihydropyridinones. Synthesis, 2020, 52, 1253-1265.	2.3	19
33	Fluorescent protein-reactive polymers via one-pot combination of the Ugi reaction and RAFT polymerization. Polymer Chemistry, 2016, 7, 4867-4872.	3.9	18
34	Synthesis of 1,2-dihydro-1,3,5-triazine derivatives via Cu(<scp>ii</scp>)-catalyzed C(sp³)â€“H activation of N,N-dimethylethanolamine with amidines. Chemical Communications, 2020, 56, 10946-10949.	4.1	18
35	Task-specific Ionic Liquids as Efficient, Green and Recyclable Reagents and Solvents for Oxidation of Olefins. Journal of Chemical Research, 2005, 2005, 388-390.	1.3	17
36	Palladium-Catalyzed Tandem Dehydrogenative [4 + 2] Annulation of Terminal Olefins with N-Sulfonyl Amides via Câ€“H Activations. Organic Letters, 2020, 22, 3229-3233.	4.6	17

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37	Organocatalyzed Cascade Aza-Michael/Aldol Reaction for Atroposelective Construction of 4-Naphthylquinoline-3-carbaldehydes. Journal of Organic Chemistry, 2021, 86, 4262-4273.	3.2	16
38	Synthesis of 2,2-Difluoro-3-hydroxy-1,4-diketones via an HFIP-Catalyzed Mukaiyama Aldol Reaction of Glyoxal Monohydrates with Difluoroenoxysilanes. Journal of Organic Chemistry, 2022, 87, 1144-1153.	3.2	16
39	Vinylogous Elimination/Heck Coupling/Allylation Domino Reactions: Access to 2-Substituted 2,3-Dihydrobenzofurans and Indolines. Journal of Organic Chemistry, 2018, 83, 2592-2600.	3.2	15
40	An elimination/Heck coupling/allylation cascade reaction: synthesis of 2,3-dihydrobenzofurans from allenoate adducts. Chemical Communications, 2018, 54, 1213-1216.	4.1	15
41	Oxidant/Solvent-Controlled I₂-Catalyzed Domino Annulation for Selective Synthesis of 2-Aroylbenzothiazoles and 2-Arylbenzothiazoles under Metal-Free Conditions. Journal of Organic Chemistry, 2021, 86, 310-321.	3.2	15
42	Sustainable Four-Component Annulation for the Synthesis of 2,3,4,6-Tetraarylpyridines. Journal of Organic Chemistry, 2021, 86, 3897-3906.	3.2	12
43	HFIP-Promoted Selective Hydroxyalkylation of Aniline Derivatives with Arylglyoxal Hydrates. Journal of Organic Chemistry, 2022, 87, 6352-6361.	3.2	12
44	Copperâ€Catalyzed Cascade Acylation/Coupling Cyclization Process for the Synthesis of Polycyclic Fused Imidazo[2,1â€â€b][1,3]thiazinones. Chinese Journal of Chemistry, 2011, 29, 2775-2780.	4.9	11
45	Expeditious Approach to Indoloquinazolinones via Double Annulations of o-Aminoacetophenones and Isocyanates. Journal of Organic Chemistry, 2021, 86, 1448-1455.	3.2	9
46	Vinylogous Elimination/Câ€“H Functionalization/Allylation Cascade Reaction of Allenoate Adducts: Synthesis of Ring-Fused Dihydropyridinones. Organic Letters, 2020, 22, 8313-8319.	4.6	8
47	An Effective Synthesis of Indazolo[2,1â€a]indazoleâ€6,12â€dione by Regioselective Copperâ€Catalyzed Cascade Acylation/Coupling Cyclization Process. Chinese Journal of Chemistry, 2011, 29, 2769-2774.	4.9	7
48	[3,3]-Sigmatropic rearrangement of allenic alcohols: stereoselective synthesis of 1,3-diene-2-ol sulfonates. Organic and Biomolecular Chemistry, 2017, 15, 4014-4021.	2.8	6
49	Visibleâ€Lightâ€Induced Tandem Cyclization of Alkynoates and Phenylacetylenes to Naphtho[2,1â€c]coumarins. Asian Journal of Organic Chemistry, 2019, 8, 1448-1457.	2.7	6
50	Environmentally Friendly and Recyclable CuCl2-Mediated Câ€“S Bond Coupling Strategy Using DMEDA as Ligand, Base, and Solvent. Synthesis, 2022, 54, 184-198.	2.3	6
51	Lewisâ€Baseâ€Catalyzed Alkylation Reaction of 4â€Hydroxycoumarins with Allenoates: Regioselective Synthesis of 2Hâ€[3,2â€c] Furocoumarins and 4â€Hydroxycoumarin Vinyl Ether Derivatives. Asian Journal of Organic Chemistry, 2017, 6, 512-515.	2.7	5
52	Selective electrophilic di- and monofluorinations for the synthesis of 4-difluoromethyl and 4-fluoromethyl quinazolin(thi)ones by a Selectfluor-triggered multi-component reaction. Organic Chemistry Frontiers, 2022, 9, 1567-1573.	4.5	4
53	Direct benzylic Câ€“H difluoroalkylation with difluoroenoxysilanes by transition metal-free photoredox catalysis. Organic Chemistry Frontiers, 2022, 9, 4569-4574.	4.5	4
54	An intramolecular Heck reaction of enol ethers involving Î²-alkoxyl elimination followed by the Î²-hydride elimination process: access to (Z)-ortho-formyl/keto-cinnamates. Chemical Communications, 2019, 55, 14422-14425.	4.1	3