

Haijun Yang

List of Publications by Year in descending order

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94
papers

3,412
citations

126708

33
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161609

54
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115
all docs

115
docs citations

115
times ranked

3695
citing authors

#	ARTICLE	IF	CITATIONS
1	General Copper-Catalyzed Transformations of Functional Groups from Arylboronic Acids in Water. <i>Chemistry - A European Journal</i> , 2011, 17, 5652-5660.	1.7	241
2	Synthesis of Cellulose-graft-Poly(<i>N,N</i> -dimethylamino-2-ethyl methacrylate) Copolymers via Homogeneous ATRP and Their Aggregates in Aqueous Media. <i>Biomacromolecules</i> , 2008, 9, 2615-2620.	2.6	191
3	Room-Temperature Arylation of Thiols: Breakthrough with Aryl Chlorides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 874-879.	7.2	149
4	Visible-Light Photoredox Borylation of Aryl Halides and Subsequent Aerobic Oxidative Hydroxylation. <i>Organic Letters</i> , 2016, 18, 5248-5251.	2.4	127
5	An <i>N</i> -(acetoxy)phthalimide motif as a visible-light pro-photosensitizer in photoredox decarboxylative arylthiation. <i>Chemical Communications</i> , 2016, 52, 12909-12912.	2.2	102
6	Metal-Free <i>ortho</i> -C-H Borylation of 2-Phenoxypyridines under Mild Conditions. <i>Organic Letters</i> , 2012, 14, 2618-2621.	2.4	90
7	Merging Photoredox with Copper Catalysis: Decarboxylative Alkynylation of α -Amino Acid Derivatives. <i>Organic Letters</i> , 2017, 19, 1016-1019.	2.4	88
8	Visible-Light-Mediated Aerobic Oxidation of <i>N</i> -Alkylpyridinium Salts under Organic Photocatalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 14237-14243.	6.6	87
9	Concise copper-catalyzed one-pot tandem synthesis of benzimidazo[1,2- <i>b</i>]isoquinolin-11-one derivatives. <i>Chemical Communications</i> , 2010, 46, 4172.	2.2	83
10	Thiophenol-Catalyzed Visible-Light Photoredox Decarboxylative Couplings of <i>N</i> -(Acetoxy)phthalimides. <i>Organic Letters</i> , 2016, 18, 6400-6403.	2.4	82
11	Visible-Light Photoredox Synthesis of Chiral α -Selenoamino Acids. <i>Organic Letters</i> , 2016, 18, 1968-1971.	2.4	79
12	Iron or boron-catalyzed C-H arylthiation of substituted phenols at room temperature. <i>Chemical Communications</i> , 2014, 50, 8875-8877.	2.2	76
13	Metal-Free Trifluoromethylation and Arylation of Alkenes: Domino Synthesis of Oxindole Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1021-1028.	2.1	73
14	Visible-light photoredox synthesis of internal alkynes containing quaternary carbons. <i>Chemical Communications</i> , 2016, 52, 7292-7294.	2.2	70
15	Light and oxygen-enabled sodium trifluoromethanesulfinate-mediated selective oxidation of C-H bonds. <i>Green Chemistry</i> , 2020, 22, 4357-4363.	4.6	68
16	Detection of phosphorus species in sediments of artificial landscape lakes in China by fractionation and phosphorus-31 nuclear magnetic resonance spectroscopy. <i>Environmental Pollution</i> , 2009, 157, 49-56.	3.7	64
17	Visible Light as a Sole Requirement for Intramolecular C(sp ³)-H Imination. <i>Organic Letters</i> , 2017, 19, 1994-1997.	2.4	60
18	Copper-Catalyzed Synthesis of 1,2,4-Benzothiadiazine 1,1-dioxide Derivatives by Coupling of α -Halobenzenesulfonamides with Amidines. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1999-2004.	2.1	54

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19	Transition Metal-Free Trifluoromethylation of <i>N</i> -Allylamides with Sodium Trifluoromethanesulfinate: Synthesis of Trifluoromethyl-Containing Oxazolines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3669-3675.	2.1	53
20	Copper-Catalyzed Domino Synthesis of Benzimidazo[2,1- <i>b</i>]quinazolin-2(6 <i>H</i>)-ones Using Cyanamide as a Building Block. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 477-482.	2.1	52
21	Copper-Catalyzed Aerobic Oxidative C-H and C-C Functionalization of 1-(2-(Arylamino)aryl)ethanones Leading to Acridone Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 4271-4277.	1.7	52
22	Simple and Efficient Copper-Catalyzed Approach to 2,4-Disubstituted Imidazolones. <i>Organic Letters</i> , 2010, 12, 3128-3131.	2.4	50
23	Visible-light photoredox synthesis of unnatural chiral α -amino acids. <i>Scientific Reports</i> , 2016, 6, 26161.	1.6	49
24	Consecutive visible-light photoredox decarboxylative couplings of adipic acid active esters with alkynyl sulfones leading to cyclic compounds. <i>Chemical Communications</i> , 2016, 52, 8862-8864.	2.2	47
25	Super-Slippery Degraded Black Phosphorus/Silicon Dioxide Interface. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7717-7726.	4.0	46
26	Functionalizations of Aryl C-H Bonds in 2-Arylpyridines via Sequential Borylation and Copper Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2211-2217.	2.1	41
27	Copper-Catalyzed Selective Oxidative Acylation of Secondary Anilines with Ethyl Glyoxalate: Domino Synthesis of Indoline-2,3-diones. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1169-1176.	2.1	40
28	Facile preparation of paper substrates coated with different materials and their applications in paper spray mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 5381-5386.	1.3	40
29	Visible-Light Photoredox Difluoromethylation of Phenols and Thiophenols with Commercially Available Difluorobromoacetic Acid. <i>Organic Letters</i> , 2017, 19, 2758-2761.	2.4	39
30	Chiral Cyclic Ligand-Enabled Iridium-Catalyzed Asymmetric Arylation of Unactivated Racemic Allylic Alcohols with Anilines. <i>Organic Letters</i> , 2017, 19, 3775-3778.	2.4	37
31	Photocatalyst-Free Visible-Light Photoredox Dearomatization of Phenol Derivatives Containing Ketoximes: An Easy Access to Spiropyrrrolines. <i>Organic Letters</i> , 2019, 21, 1799-1803.	2.4	37
32	Arylthiolation of Arylamine Derivatives with (Arylthio)pyrrolidine-2,5-diones. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 481-488.	2.1	36
33	Room-Temperature Arylation of Thiols: Breakthrough with Aryl Chlorides. <i>Angewandte Chemie</i> , 2017, 129, 892-897.	1.6	36
34	Organocatalytic Atroposelective Construction of Axially Chiral <i>N</i> -Aryl Benzimidazoles Involving Carbon-Carbon Bond Cleavage. <i>Organic Letters</i> , 2020, 22, 6382-6387.	2.4	36
35	Copper-catalyzed aerobic oxidative synthesis of aromatic carboxylic acids. <i>Chemical Communications</i> , 2011, 47, 2348-2350.	2.2	35
36	Iron-Catalyzed Diastereoselective Synthesis of Unnatural Chiral Amino Acid Derivatives. <i>Organic Letters</i> , 2016, 18, 3362-3365.	2.4	34

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37	Copper-catalyzed bis-arylations of alkenes leading to oxindole derivatives. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4070-4073.	1.5	33
38	Metal-free oxysulfenylation of alkenes with 1-(arylothio)pyrrolidine-2,5-diones and alcohols. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4846-4850.	1.5	32
39	Organic phosphorus fractionation in wetland soil profiles by chemical extraction and phosphorus-31 nuclear magnetic resonance spectroscopy. <i>Applied Geochemistry</i> , 2013, 33, 213-221.	1.4	31
40	Observation of Replacement of Carbon in Benzene with Nitrogen in a Low-Temperature Plasma. <i>Scientific Reports</i> , 2013, 3, 3481.	1.6	30
41	Organocatalytic asymmetric synthesis of arylindolyl indolin-3-ones with both axial and central chirality. <i>Chemical Communications</i> , 2020, 56, 12648-12651.	2.2	30
42	General and efficient copper-catalyzed aerobic oxidative synthesis of N-fused heterocycles using amino acids as the nitrogen source. <i>RSC Advances</i> , 2013, 3, 15636.	1.7	29
43	Metal-Free Oxidative C-H Amidation of <i>N</i> -Diarylureas with $\text{PhI}(\text{OAc})_2$: Synthesis of Benzimidazolone Derivatives. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5869-5875.	1.2	26
44	Efficient Copper-Catalyzed Synthesis of Poly-N-Heterocycles Containing Amino Acid Residues. <i>Chemistry - A European Journal</i> , 2011, 17, 6765-6771.	1.7	25
45	Axially Chiral Cyclic Phosphoric Acid Enabled Enantioselective Sequential Additions. <i>Organic Letters</i> , 2019, 21, 2498-2503.	2.4	25
46	A sodium trifluoromethanesulfinate-mediated photocatalytic strategy for aerobic oxidation of alcohols. <i>Chemical Communications</i> , 2020, 56, 12443-12446.	2.2	25
47	Copper-Catalyzed Domino Synthesis of Isoquinolino[2,3- <i>a</i>]quinazolinones. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1579-1584.	2.1	24
48	Efficient copper-catalyzed Michael addition of acrylic derivatives with primary alcohols in the presence of base. <i>Chemical Communications</i> , 2013, 49, 517-519.	2.2	24
49	Efficient Synthesis of Dibenzoxaborinols from Diaryl Ethers and Their Application to Dibenzofuran Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3625-3632.	2.1	24
50	Metal-Free Iodination of Arylboronic Acids and the Synthesis of Biaryl Derivatives. <i>Synlett</i> , 2014, 25, 995-1000.	1.0	24
51	Metal-free UV-Vis-light-induced aerobic oxidative hydroxylation of arylboronic acids in the absence of a photosensitizer. <i>RSC Advances</i> , 2014, 4, 12977.	1.7	23
52	Catalyst-Free Isothiocyanatoalkylthiation of Styrenes with (Alkylthio)pyrrolidine-2,5-diones and Trimethylsilyl Isothiocyanate. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1794-1800.	2.1	22
53	Iron-Catalyzed Azidoalkylthiation of Alkenes with Trimethylsilyl Azide and 1-(Alkylthio)pyrrolidine-2,5-diones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2806-2810.	2.1	21
54	Iron-Catalyzed Arylsulfonylation of Activated Alkenes. <i>Synlett</i> , 2015, 26, 688-694.	1.0	20

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55	Copper-catalyzed N-arylation and aerobic oxidative C-H/C-H coupling: one-pot synthesis of indoloimidazoquinoline derivatives. <i>RSC Advances</i> , 2013, 3, 8211.	1.7	19
56	Metal-free synthesis of substituted phenols from arylboronic acids in water at room temperature. <i>Chinese Chemical Letters</i> , 2014, 25, 715-719.	4.8	19
57	Controlled synthesis of mesocrystal magnesium oxide parallelogram and its catalytic performance. <i>CrystEngComm</i> , 2015, 17, 2642-2650.	1.3	19
58	Phosphorus transformation under the influence of aluminum, organic carbon, and dissolved oxygen at the water-sediment interface: A simulative study. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	19
59	Salt-induced silk gel-derived N and trace Fe co-doped 3D porous carbon as an oxygen reduction catalyst in microbial fuel cells. <i>Nanoscale</i> , 2019, 11, 13431-13439.	2.8	18
60	Iridium-Catalyzed Enantioselective Synthesis of Dihydroimidazoquinazolinones by Elaborate Tuning of Chiral Cyclic Ligands. <i>Organic Letters</i> , 2017, 19, 6376-6379.	2.4	17
61	Synthesis of Spirotetrahydrofuran Oxindoles via Palladium-Catalyzed [4 + 1] Cycloaddition of Diphenyl 2-Oxoindolin-3-yl Phosphates and 2-Methylidenetrimethylene Carbonate. <i>Organic Letters</i> , 2021, 23, 6499-6503.	2.4	17
62	Transition metal-free intramolecular regioselective couplings of aliphatic and aromatic C-H bonds. <i>Scientific Reports</i> , 2016, 6, 19931.	1.6	16
63	Development of Axially Chiral Cyclo-Biaryldiol Ligands with Adjustable Dihedral Angles. <i>Chemistry - A European Journal</i> , 2016, 22, 17477-17484.	1.7	15
64	Highly Enantioselective Iridium-Catalyzed Cascade Double Allylation Strategy: Synthesis of Pyrrolidinoindolines with an All-Carbon Quaternary Stereocenter. <i>Organic Letters</i> , 2019, 21, 8501-8505.	2.4	14
65	Efficient ipso-nitration of arylboronic acids with iron nitrate as the nitro source. <i>RSC Advances</i> , 2013, 3, 25602.	1.7	13
66	Rhodium-Catalyzed Hydrosilylation Reaction of <i>N</i> -Sulfonyl-1,2,3-triazoles with Triphenylsilane: Access to Diverse Compounds. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4471-4480.	1.2	13
67	Bioorthogonal Ligation and Cleavage by Reactions of Chloroquinoxalines with <i>ortho</i> -Dithiophenols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3671-3677.	7.2	13
68	Synthesis and ESR behaviors of nitroxide monoradical based on calix[4]arene. <i>Tetrahedron Letters</i> , 2006, 47, 7463-7465.	0.7	12
69	Axially Chiral Cyclic Diphosphine Ligand-Enabled Palladium-Catalyzed Intramolecular Asymmetric Hydroarylation. <i>IScience</i> , 2018, 10, 11-22.	1.9	12
70	Olefination of Alkyl Halides with Aldehydes by Merging Visible-Light Photoredox Catalysis and Organophosphorus Chemistry. <i>IScience</i> , 2018, 6, 102-113.	1.9	11
71	Easy conjugations between molecules via copper-catalyzed reactions of <i>ortho</i> -aromatic diamines with ketones. <i>Green Chemistry</i> , 2013, 15, 3184.	4.6	10
72	Chiral Phosphoric Acid Catalyzed Asymmetric Addition of 2-(Vinyloxy)ethanol to Imines and Applications of the Products. <i>Organic Letters</i> , 2019, 21, 5335-5340.	2.4	10

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73	Successive Free-Radical C(sp ²)–C(sp ²) Coupling Reactions to Form Graphene. <i>CCS Chemistry</i> , 2022, 4, 584-597.	4.6	10
74	Syntheses and spin–spin exchange interactions of calix[4]arene biradicals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 439-444.	2.0	9
75	Copper–Catalyzed C–Arylation and Denitrogenation of Tetrazoles: Domino Synthesis of 1,3–Diaminoisoquinoline Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1177-1184.	2.1	9
76	Iridium-catalyzed intramolecular enantioselective allylation of quinazolin-4(3 <i>H</i>)-one derivatives. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6461-6464.	1.5	9
77	Efficient Copper-Catalyzed Synthesis of 2-Amino-4(3 <i>H</i>)-quinazolinone and 2-Aminoquinazoline Derivatives. <i>Synthesis</i> , 2009, 2009, 2679-2688.	1.2	8
78	Efficient copper-catalyzed domino synthesis of tetrazoloisoquinolines. <i>RSC Advances</i> , 2013, 3, 6278.	1.7	8
79	Copper–Catalyzed C–H Activation of Substituted Pyridines Leading to Imidazopyridine Derivatives via Self–Redox of the Substrates. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1551-1555.	1.3	8
80	Boron-Catalyzed Arylthiooxygenation of <i>N</i> -Allylamides: Synthesis of (Arylsulfanyl)oxazolines. <i>Synlett</i> , 2015, 26, 676-680.	1.0	7
81	Chemistry in Calixarenes and Radicals: Inclusion, Spin Label, Reaction, and ESR Studies. <i>Chemistry Letters</i> , 2010, 39, 796-802.	0.7	6
82	Efficient Copper-Catalyzed Sonogashira Couplings of Aryl Halides with Terminal Alkynes in Water. <i>Synlett</i> , 2011, 2011, 702-706.	1.0	6
83	Similar Metabolic Changes Induced by HIPVs Exposure as Herbivore in <i>Ammopiptanthus mongolicus</i> . <i>PLoS ONE</i> , 2014, 9, e95474.	1.1	6
84	Rhodium–Catalyzed Desulfination of Sodium Arenesulfinates and Oxidative Annulation with Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 489-499.	2.1	6
85	Shape evolution of parallelogrammic magnesium oxalate controlled by phosphate species. <i>RSC Advances</i> , 2015, 5, 63034-63043.	1.7	6
86	Catalyst Coated Paper Substrate Strategy: Development and Its Application for Copper-Catalysts Screening and Activity Studies. <i>ChemistrySelect</i> , 2016, 1, 3297-3305.	0.7	6
87	Synthesis of Chiral Propargylamines, Chiral 1,2–Dihydronaphtho[2,1–b]furans and Naphtho[2,1–b]furans with C–Alkynyl <i>N,N</i> –di–(tert–butoxycarbonyl)–aminals and 1–Naphthols. <i>Chemistry - A European Journal</i> , 2021, 27, 12884-12889.		6
88	Copper–Catalyzed Domino Synthesis of Benzo[4,5]imidazo[1,2–c]pyrimidin–4(10 <i>H</i>)–ones using Cyanamide as a Building Block. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3961-3968.	2.1	5
89	Bioorthogonal Ligation and Cleavage by Reactions of Chloroquinoxalines with ortho–dithiophenols. <i>Angewandte Chemie</i> , 2020, 132, 3700-3706.	1.6	5
90	Metabolites of <i>Ammopiptanthus mongolicus</i> induced by <i>Orgyia ericae</i> attack and mechanical wounding. <i>Plant Physiology and Biochemistry</i> , 2013, 69, 101-107.	2.8	4

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91	Copper-Catalyzed Cascade Synthesis of [1,2,4]-Triazoloquinazolinones. <i>Synlett</i> , 2018, 29, 1395-1399.	1.0	4
92	Superbase-promoted selective carbon-carbon bond cleavage driven by aromatization. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4984-4989.	1.5	2
93	Palladium-catalyzed [3 + 3] annulations of 1-alkyl-indolin-2-imines and dialkyl (2-methylenepropane-1,3-diyl) dicarbonates. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3515-3520.	2.3	2
94	Easy and Efficient Copper-Catalyzed Synthesis of Bicyclic Pyrimidinones under Mild Conditions. <i>Synlett</i> , 2010, 2010, 2611-2616.	1.0	1