

Yi-Yong Huang

List of Publications by Citations

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34
papers

622
citations

14
h-index

24
g-index

37
ext. papers

772
ext. citations

7.2
avg, IF

4.17
L-index

#	Paper	IF	Citations
34	Catalytic asymmetric synthesis of enantioenriched heterocycles bearing a C-CF ₃ stereogenic center. <i>Chemistry - A European Journal</i> , 2015 , 21, 8664-84	4.8	94
33	Catalytic Asymmetric Reactions with N,O-Aminals. <i>ACS Catalysis</i> , 2016 , 6, 5747-5763	13.1	86
32	A catalytic asymmetric borono variant of Hosomi-Sakurai reactions with N,O-aminals. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11121-4	16.4	69
31	Catalytic Asymmetric 1,3-Dipolar Cycloaddition of β -Fluoroalkylated α -Unsaturated 2-Pyridylsulfones with Nitrones for Chiral Fluoroalkylated Isoxazolidines and β -Amino Alcohols. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1510-1514	16.4	39
30	A Catalytic Asymmetric Borono Variant of Hosomi-Sakurai Reactions with N,O-Aminals. <i>Angewandte Chemie</i> , 2011 , 123, 11317-11320	3.6	31
29	An aza-Michael addition protocol to fluoroalkylated β -amino acid derivatives and enantiopure trifluoromethylated N-heterocycles. <i>Green Chemistry</i> , 2014 , 16, 4530-4534	10	29
28	Recent advances on transition-metal-catalyzed asymmetric tandem reactions with organoboron reagents. <i>Coordination Chemistry Reviews</i> , 2019 , 392, 35-48	23.2	27
27	Air- and Light-Stable S-(Difluoromethyl)sulfonium Salts: C-Selective Electrophilic Difluoromethylation of β -Ketoesters and Malonates. <i>Organic Letters</i> , 2018 , 20, 6925-6929	6.2	25
26	Palladium-Catalyzed Direct Ortho-C-H Selenylation of Benzaldehydes Using Benzidine as a Transient Directing Group. <i>Organic Letters</i> , 2019 , 21, 6914-6918	6.2	23
25	Nucleophilic ring opening of aziridines with amines under catalyst- and solvent-free conditions. <i>Green Chemistry</i> , 2017 , 19, 924-927	10	21
24	Diastereodivergent Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Ylides and β -Fluoroalkyl Vinylsulfones: Low Copper(II) Catalyst Loading and Theoretical Studies. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16637-16643	16.4	21
23	Petasis-Type gem-Difluoroallylation Reactions Assisted by the Neighboring Hydroxyl Group in Amines. <i>Organic Letters</i> , 2018 , 20, 2585-2589	6.2	21
22	Enantioselective Synthesis of 1,3-Disubstituted 1,3-Dihydroisobenzofurans via a Cascade Allylboration/Oxo-Michael Reaction of <i>o</i> -Formyl Chalcones Catalyzed by a Chiral Phosphoric Acid. <i>Journal of Organic Chemistry</i> , 2017 , 82, 10388-10397	4.2	20
21	Intermolecular [2 + 2] Cycloaddition/Isomerization of Allenyl Imides and Unactivated Imines for the Synthesis of 1-Azadienes Catalyzed by a Ni(ClO ₄) ₂ ·6H ₂ O Lewis Acid. <i>ACS Catalysis</i> , 2018 , 8, 5193-5199	13.1	18
20	Recent Advances of Applying Boron-Reagents in Asymmetric Total Syntheses of Natural Products and Bio-Active Molecules. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 2778-2800	5.6	11
19	Phosphine-Catalyzed [4+1] Cycloadditions of Allenes with Methyl Ketimines, Enamines, and a Primary Amine. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1884-1890	16.4	11
18	Catalytic Asymmetric 1,3-Dipolar Cycloaddition of β -Fluoroalkylated α -Unsaturated 2-Pyridylsulfones with Nitrones for Chiral Fluoroalkylated Isoxazolidines and β -Amino Alcohols. <i>Angewandte Chemie</i> , 2017 , 129, 1532-1536	3.6	10

17	Stereodivergent catalytic asymmetric allylic alkylation (AAA). <i>Science Bulletin</i> , 2020 , 65, 1865-1868	10.6	9
16	Boron-based pronucleophiles in catalytic (asymmetric) C(sp ³) allyl cross-couplings. <i>Pure and Applied Chemistry</i> , 2012 , 84, 2417-2430	2.1	7
15	1,2-Amino alcohol-dependent Petasis allylboration for racemic and chiral homoallylamines. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 751-755	5.2	6
14	Enantioselective Isoprenylboration Reaction of Aldehydes Catalyzed by a Chiral Phosphoric Acid. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 3074-3079	5.6	6
13	1,3-Dipolar Cycloadditions of β -Fluoroalkyl Vinylsulfones and Nitrile Oxides for Fluoroalkylated Isoxazolines and Isoxazoles. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 2184-2187	3	6
12	Stereospecific Synthesis of Fluorinated Pyrazolidinones and Isoxazolidines via a Catalyst-Free 1,3-Dipolar Cycloaddition of β -Fluoroalkylated β -Unsaturated 2-Pyridylsulfones. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1830-1834	3	5
11	Catalytic asymmetric aldehyde prenylation and application in the total synthesis of (-)-rosiridol and (-)-bifurcadiol. <i>Chemical Communications</i> , 2020 , 56, 10030-10033	5.8	5
10	Brønsted Acid-Catalyzed General Petasis Allylation and Isoprenylation of Unactivated Ketones. <i>Chemistry - A European Journal</i> , 2020 , 26, 10259-10264	4.8	4
9	Diastereodivergent Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Ylides and β -Fluoroalkyl Vinylsulfones: Low Copper(II) Catalyst Loading and Theoretical Studies. <i>Angewandte Chemie</i> , 2019 , 131, 16790-16796	3.6	4
8	Diastereodivergent Synthesis of Chiral 4-Fluoropyrrolidines (and β -Based on the Cu(II)-Catalyzed Asymmetric 1,3-Dipolar Cycloaddition. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8695-8705	4.2	4
7	Neighboring phenolic group-activated gem-difluoroallylboration of imines for the catalyst-free synthesis of gem-difluorohomoallylamines. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 3367-3371	3.9	2
6	A formal [3 + 3] cycloaddition of allenyl imide and activated ketones for the synthesis of tetrasubstituted 2-pyrones. <i>RSC Advances</i> , 2021 , 11, 8867-8870	3.7	2
5	Phosphine-Catalyzed Annulations Based on [3+3] and [3+2] Trapping of Ketene Intermediates with Thioamides. <i>Organic Letters</i> , 2021 , 23, 8147-8152	6.2	1
4	Phosphine-Catalyzed [4+1] Cycloadditions of Allenes with Methyl Ketimines, Enamines, and a Primary Amine. <i>Angewandte Chemie</i> , 2020 , 132, 1900-1906	3.6	1
3	Diastereodivergent 1,3-Dipolar Cycloaddition of β -Fluoro- β -Unsaturated Arylketones and Azomethine Ylides: Experimental and Theoretical DFT Studies. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 5530	3.2	1
2	A new synthetic route for the synthesis of enantioenriched 1,2,3,4-tetrahydronaphthalene-derived 1,3-diols. <i>Synthetic Communications</i> , 2018 , 48, 2859-2865	1.7	1
1	Asymmetric Petasis reaction for the synthesis of chiral β -and β -butadienyl amines. <i>Chemical Communications</i> , 2021 , 57, 2364-2367	5.8	1