

# Yi-Yong Huang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Phosphine-Catalyzed Annulations Based on [3+3] and [3+2] Trapping of Ketene Intermediates with Thioamides. <i>Organic Letters</i> , <b>2021</b> , 23, 8147-8152	6.2	1
33	Diastereodivergent Synthesis of Chiral 4-Fluoropyrrolidines ( and $\Psi$ Based on the Cu(II)-Catalyzed Asymmetric 1,3-Dipolar Cycloaddition. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 8695-8705	4.2	4
32	Diastereodivergent 1,3-Dipolar Cycloaddition of $\beta$ -Fluoro- $\alpha$ -Unsaturated Arylketones and Azomethine Ylides: Experimental and Theoretical DFT Studies. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 5530	3.2	1
31	A formal [3 + 3] cycloaddition of allenyl imide and activated ketones for the synthesis of tetrasubstituted 2-pyrones.. <i>RSC Advances</i> , <b>2021</b> , 11, 8867-8870	3.7	2
30	Asymmetric Petasis reaction for the synthesis of chiral $\beta$ - and $\delta$ -butadienyl amines. <i>Chemical Communications</i> , <b>2021</b> , 57, 2364-2367	5.8	1
29	Brønsted Acid-Catalyzed General Petasis Allylation and Isoprenylation of Unactivated Ketones. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 10259-10264	4.8	4
28	Recent Advances of Applying Boron-Reagents in Asymmetric Total Syntheses of Natural Products and Bio-Active Molecules. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 2778-2800	5.6	11
27	Phosphine-Catalyzed [4+1] Cycloadditions of Allenes with Methyl Ketimines, Enamines, and a Primary Amine. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1884-1890	16.4	11
26	Phosphine-Catalyzed [4+1] Cycloadditions of Allenes with Methyl Ketimines, Enamines, and a Primary Amine. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1900-1906	3.6	1
25	Catalytic asymmetric aldehyde prenylation and application in the total synthesis of (-)-rosiridol and (-)-bifurcadiol. <i>Chemical Communications</i> , <b>2020</b> , 56, 10030-10033	5.8	5
24	Stereodivergent catalytic asymmetric allylic alkylation (AAA). <i>Science Bulletin</i> , <b>2020</b> , 65, 1865-1868	10.6	9
23	Diastereodivergent Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Ylides and $\beta$ -Fluoroalkyl Vinylsulfones: Low Copper(II) Catalyst Loading and Theoretical Studies. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16637-16643	16.4	21
22	Palladium-Catalyzed Direct Ortho-C-H Selenylation of Benzaldehydes Using Benzidine as a Transient Directing Group. <i>Organic Letters</i> , <b>2019</b> , 21, 6914-6918	6.2	23
21	1,2-Amino alcohol-dependent Petasis allylboration for racemic and chiral homoallylamines. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 751-755	5.2	6
20	Recent advances on transition-metal-catalyzed asymmetric tandem reactions with organoboron reagents. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 392, 35-48	23.2	27
19	Enantioselective Isoprenylboration Reaction of Aldehydes Catalyzed by a Chiral Phosphoric Acid. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 3074-3079	5.6	6
18	1,3-Dipolar Cycloadditions of $\beta$ -Fluoroalkyl Vinylsulfones and Nitrile Oxides for Fluoroalkylated Isoxazolines and Isoxazoles. <i>Asian Journal of Organic Chemistry</i> , <b>2019</b> , 8, 2184-2187	3	6

17	Diastereodivergent Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Ylides and $\beta$ -Fluoroalkyl Vinylsulfones: Low Copper(II) Catalyst Loading and Theoretical Studies. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16790-16796	3.6	4
16	Neighboring phenolic group-activated gem-difluoroallylboration of imines for the catalyst-free synthesis of gem-difluorohomoallylamines. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 3367-3371	3.9	2
15	Petasis-Type gem-Difluoroallylation Reactions Assisted by the Neighboring Hydroxyl Group in Amines. <i>Organic Letters</i> , <b>2018</b> , 20, 2585-2589	6.2	21
14	Intermolecular [2 + 2] Cycloaddition/Isomerization of Allenyl Imides and Unactivated Imines for the Synthesis of 1-Azadienes Catalyzed by a Ni(CLO <sub>4</sub> ) <sub>2</sub> ·2H <sub>2</sub> O Lewis Acid. <i>ACS Catalysis</i> , <b>2018</b> , 8, 5193-5199	13.1	18
13	Stereospecific Synthesis of Fluorinated Pyrazolidinones and Isoxazolidines via a Catalyst-Free 1,3-Dipolar Cycloaddition of $\beta$ -Fluoroalkylated $\alpha,\beta$ -Unsaturated 2-Pyridylsulfones. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1830-1834	3	5
12	A new synthetic route for the synthesis of enantioenriched 1,2,3,4-tetrahydronaphthalene-derived 1,3-diols. <i>Synthetic Communications</i> , <b>2018</b> , 48, 2859-2865	1.7	1
11	Air- and Light-Stable S-(Difluoromethyl)sulfonium Salts: C-Selective Electrophilic Difluoromethylation of $\beta$ -Ketoesters and Malonates. <i>Organic Letters</i> , <b>2018</b> , 20, 6925-6929	6.2	25
10	Catalytic Asymmetric 1,3-Dipolar Cycloaddition of $\beta$ -Fluoroalkylated $\alpha,\beta$ -Unsaturated 2-Pyridylsulfones with Nitrones for Chiral Fluoroalkylated Isoxazolidines and $\beta$ -Amino Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1510-1514	16.4	39
9	Nucleophilic ring opening of aziridines with amines under catalyst- and solvent-free conditions. <i>Green Chemistry</i> , <b>2017</b> , 19, 924-927	10	21
8	Catalytic Asymmetric 1,3-Dipolar Cycloaddition of $\beta$ -Fluoroalkylated $\alpha,\beta$ -Unsaturated 2-Pyridylsulfones with Nitrones for Chiral Fluoroalkylated Isoxazolidines and $\beta$ -Amino Alcohols. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1532-1536	3.6	10
7	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> , <b>2017</b> , 82, 10388-10397	4.2	20
6	Catalytic Asymmetric Reactions with N,O-Aminals. <i>ACS Catalysis</i> , <b>2016</b> , 6, 5747-5763	13.1	86
5	Catalytic asymmetric synthesis of enantioenriched heterocycles bearing a C-CF <sub>3</sub> stereogenic center. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8664-84	4.8	94
4	An aza-Michael addition protocol to fluoroalkylated $\beta$ -amino acid derivatives and enantiopure trifluoromethylated N-heterocycles. <i>Green Chemistry</i> , <b>2014</b> , 16, 4530-4534	10	29
3	Boron-based pronucleophiles in catalytic (asymmetric) C(sp <sup>3</sup> ) allyl cross-couplings. <i>Pure and Applied Chemistry</i> , <b>2012</b> , 84, 2417-2430	2.1	7
2	A Catalytic Asymmetric Borono Variant of Hosomi-Sakurai Reactions with N,O-Aminals. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11317-11320	3.6	31
1	A catalytic asymmetric borono variant of Hosomi-Sakurai reactions with N,O-aminals. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11121-4	16.4	69