

Yong Jian Zhang

List of Publications by Year in descending order

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38
papers

2,258
citations

279798

23
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48
all docs

48
docs citations

48
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Asymmetric Decarboxylative Cycloaddition of Vinylethylene Carbonates with Michael Acceptors: Construction of Vicinal Quaternary Stereocenters. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11257-11260.	13.8	242
2	Palladium-Catalyzed Decarboxylative Cycloaddition of Vinylethylene Carbonates with Formaldehyde: Enantioselective Construction of Tertiary Vinylglycols. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6439-6442.	13.8	201
3	Direct Prenylation of Aromatic and $\hat{1},\hat{2}$ -Unsaturated Carboxamides via Iridium-Catalyzed C $\hat{1}$ H Oxidative Addition $\hat{1}$ Allene Insertion. <i>Organic Letters</i> , 2009, 11, 4248-4250.	4.6	159
4	Enantioselective Construction of Tertiary C $\hat{1}$ O Bond via Allylic Substitution of Vinylethylene Carbonates with Water and Alcohols. <i>Journal of the American Chemical Society</i> , 2017, 139, 10733-10741.	13.7	139
5	Organocatalytic Enantioselective Michael-Addition of Malonic Acid Half $\hat{1}$ Thioesters to $\hat{1}$ -Nitroolefins: From Mimicry of Polyketide Synthases to Scalable Synthesis of $\hat{1}$ -Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3196-3202.	4.3	128
6	Asymmetric Decarboxylative Cycloaddition of Vinylethylene Carbonates with $\hat{1}$ -Nitroolefins by Cooperative Catalysis of Palladium Complex and Squaramide. <i>ACS Catalysis</i> , 2018, 8, 11600-11604.	11.2	114
7	Palladium-Catalyzed Enantioselective Decarboxylative Cycloaddition of Vinylethylene Carbonates with Isocyanates. <i>Chemistry - A European Journal</i> , 2015, 21, 120-124.	3.3	111
8	Pd-Catalyzed Asymmetric Decarboxylative Cycloaddition of Vinylethylene Carbonates with Imines. <i>Organic Letters</i> , 2015, 17, 6230-6233.	4.6	107
9	<i>anti</i> -Diastereo- and Enantioselective Carbonyl (Hydroxymethyl)allylation from the Alcohol or Aldehyde Oxidation Level: Allyl Carbonates as Allylmetal Surrogates. <i>Journal of the American Chemical Society</i> , 2010, 132, 4562-4563.	13.7	103
10	Palladium-Catalyzed Asymmetric Decarboxylative Cycloaddition of Vinylethylene Carbonates with Electrophiles: Construction of Quaternary Stereocenters. <i>Synlett</i> , 2015, 26, 853-860.	1.8	95
11	Pd-Catalyzed asymmetric decarboxylative cycloaddition of vinylethylene carbonates with 3-cyanochromones. <i>Chemical Communications</i> , 2018, 54, 4708-4711.	4.1	82
12	Chelation-Induced Axially Chiral Palladium Complex System with Tetraoxazoline Ligands for Highly Enantioselective Wacker-Type Cyclization. <i>Journal of Organic Chemistry</i> , 2007, 72, 9208-9213.	3.2	58
13	Pd-Catalyzed Regioselective and Stereospecific Suzuki-Miyaura Coupling of Allylic Carbonates with Arylboronic Acids. <i>Organic Letters</i> , 2012, 14, 390-393.	4.6	53
14	Pd-Catalyzed stereospecific allyl-aryl coupling of allylic alcohols with arylboronic acids. <i>Chemical Communications</i> , 2013, 49, 9761.	4.1	46
15	Pd-Catalyzed Asymmetric Allylic Cycloaddition of Vinyloxetanes with Formaldehyde. <i>Organic Letters</i> , 2019, 21, 214-217.	4.6	42
16	Enantioselective total synthesis of furofuran lignans <i>via</i> Pd-catalyzed asymmetric allylic cycloaddition of vinylethylene carbonates with 2-nitroacrylates. <i>Chemical Communications</i> , 2020, 56, 12431-12434.	4.1	39
17	Oligomeric siloxane containing triphenylphosphonium phosphate as a novel flame retardant for polycarbonate. <i>Polymer Degradation and Stability</i> , 2012, 97, 638-644.	5.8	38
18	Phosphonium sulfonates as flame retardants for polycarbonate. <i>Polymer Degradation and Stability</i> , 2016, 130, 165-172.	5.8	36

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19	Highly efficient asymmetric organocatalytic Friedel-Crafts alkylation of indoles with $\hat{1},\hat{2}$ -unsaturated aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4011.	2.8	31
20	Enantioselective Synthesis of Isoxazoline <i>N</i> -Oxides via Pd-Catalyzed Asymmetric Allylic Cycloaddition of Nitro-Containing Allylic Carbonates. <i>Organic Letters</i> , 2019, 21, 9045-9049.	4.6	31
21	Asymmetric Allylic Etherification of Vinylethylene Carbonates with Diols via Pd/B Cooperative Catalysis: A Route to Chiral Hemi-Crown Ethers. <i>Organic Letters</i> , 2019, 21, 9457-9462.	4.6	25
22	Highly active asymmetric Diels-Alder reactions catalyzed by C ₂ -symmetric bipyrrolidines: catalyst recycling in water medium and insight into the catalytic mode. <i>Tetrahedron</i> , 2010, 66, 3849-3854.	1.9	23
23	Pd-Catalyzed regio- and enantioselective allylic substitution with 2-pyridones. <i>Chemical Communications</i> , 2019, 55, 13168-13171.	4.1	22
24	C ₂ -Symmetric bipyrrolidines as organocatalysts for asymmetric Diels-Alder reactions. <i>Tetrahedron Letters</i> , 2009, 50, 7388-7391.	1.4	21
25	Pd-Catalyzed Asymmetric Allylic Cycloaddition of N-Containing Allylic Carbonates with Isocyanates. <i>Organic Letters</i> , 2019, 21, 9452-9456.	4.6	19
26	Palladium-Catalyzed Allylic Cycloaddition of Vinylethylene Carbonates with $\hat{3}$ -Nitrochromone. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 545-548.	2.7	17
27	Pd-Catalyzed Regio- and Enantioselective Aminoarylation of Allenols with Aryl Iodides and 2-Pyridones. <i>Organic Letters</i> , 2021, 23, 3567-3572.	4.6	17
28	Stereospecific Allyl-Aryl Coupling Catalyzed by <i>in situ</i> Generated Palladium Nanoparticles in Water under Ambient Conditions. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 491-498.	4.3	16
29	Cross-coupling of vinylethylene carbonates with arylboronic acids catalyzed by <i>in situ</i> generated palladium nanoparticles in water. <i>Tetrahedron Letters</i> , 2016, 57, 3268-3271.	1.4	14
30	Synergistic effects of synthetic phosphonium sulfonates with expandable graphite on flame retardancy for EVA rubber blends. <i>Polymer Degradation and Stability</i> , 2018, 153, 155-164.	5.8	13
31	Allyl-aryl coupling of allylic carbonates with arylboronic acids catalyzed by palladium nanoparticles in ionic liquid. <i>Tetrahedron</i> , 2015, 71, 1712-1717.	1.9	12
32	Asymmetric Decarboxylative Cycloaddition of Vinylethylene Carbonates with Aldehydes by Cooperative Catalysis of Palladium Complex and Chiral Squaramide. <i>Acta Chimica Sinica</i> , 2018, 76, 874.	1.4	12
33	Pd-Catalyzed Asymmetric Three-Component Allenol Carbopalladation and Allylic Cycloaddition Cascade: A Route to Functionalized Tetrahydrofurans. <i>Organic Letters</i> , 2022, 24, 2081-2086.	4.6	10
34	Tandem arylation and regioselective allylic etherification of 2,3-allenol via Pd/B cooperative catalysis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8075-8078.	2.8	8
35	Ultrasound-Promoted Enantioselective Decarboxylative Protonation of $\hat{1}$ -Aminomalonate Hemiesters by Chiral Squaramides: A Practical Approach to Both Enantiomers of $\hat{1}$ -Amino Esters. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4562-4565.	2.4	7
36	Phosphorous-phosphorous synergistic effect on flame retardancy, mechanically reinforce and hydrolytic resistance for PC/ABS blends. <i>Polymer Degradation and Stability</i> , 2021, 183, 109442.	5.8	7

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37	Practical synthesis of phosphonium salts with orthoformates and their application as flame retardants in polycarbonate. <i>Tetrahedron</i> , 2020, 76, 131107.	1.9	6
38	Pd-catalyzed Chemoselective Bis-allylic Substitution of Allylic Dicarbonates with Arylated Nitromethanes: A Route to 1,2-Oxazine N-oxides. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	0