

# Tiezheng Jia

## List of Publications by Year in descending order

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31  
papers

1,387  
citations

279798

23  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1052  
citing authors

#	ARTICLE	IF	CITATIONS
1	NiXantphos: A Deprotonatable Ligand for Room-Temperature Palladium-Catalyzed Cross-Couplings of Aryl Chlorides. <i>Journal of the American Chemical Society</i> , 2014, 136, 6276-6287.	13.7	145
2	Diaryl Sulfoxides from Aryl Benzyl Sulfoxides: A Single Palladium-Catalyzed Triple Relay Process. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 260-264.	13.8	110
3	Palladium-Catalyzed Direct Arylation of Methyl Sulfoxides with Aryl Halides. <i>Journal of the American Chemical Society</i> , 2013, 135, 3740-3743.	13.7	108
4	Palladium-Catalyzed Direct Intermolecular $\hat{\pm}$ -Arylation of Amides with Aryl Chlorides. <i>Organic Letters</i> , 2013, 15, 4190-4193.	4.6	79
5	Palladium-Catalyzed Enantioselective Arylation of Aryl Sulfenate Anions: A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 8337-8345.	13.7	71
6	Palladium-Catalyzed Arylation of Alkyl Sulfenate Anions. <i>Journal of the American Chemical Society</i> , 2015, 137, 13887-13893.	13.7	68
7	Palladium-Catalyzed Direct $\hat{\pm}$ -Arylation of Methyl Sulfones with Aryl Bromides. <i>Organic Letters</i> , 2013, 15, 1690-1693.	4.6	65
8	Palladium-Catalyzed Debenzylative Cross-Coupling of Aryl Benzyl Sulfides with Aryl Bromides: Synthesis of Diaryl Sulfides. <i>Organic Letters</i> , 2014, 16, 5304-5307.	4.6	65
9	A General and Practical Palladium-Catalyzed Direct $\hat{\pm}$ -Arylation of Amides with Aryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 165-178.	4.3	59
10	Palladium Catalyzed Diaryl Sulfoxide Generation from Aryl Benzyl Sulfoxides and Aryl Chlorides. <i>Organic Letters</i> , 2015, 17, 1168-1171.	4.6	46
11	Healable and shape-memory dual functional polymers for reliable and multipurpose mechanical energy harvesting devices. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16267-16276.	10.3	45
12	Regio- and Stereoselective Photoredox-Catalyzed Atom Transfer Radical Addition of Thiosulfonates to Aryl Alkynes. <i>Organic Letters</i> , 2020, 22, 5885-5889.	4.6	44
13	Copper-Catalyzed Intermolecular Difunctionalization of Styrenes with Thiosulfonates and Arylboronic Acids via a Radical Relay Pathway. <i>ACS Catalysis</i> , 2020, 10, 2633-2639.	11.2	39
14	Palladium-Catalyzed $\hat{\pm}$ -Arylation of Benzylic Phosphine Oxides. <i>Organic Letters</i> , 2014, 16, 130-133.	4.6	38
15	A New Class of Organocatalysts: Sulfenate Anions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10755-10758.	13.8	38
16	Palladium-Catalyzed Arylation of Aryl Sulfenate Anions with Aryl Bromides under Mild Conditions: Synthesis of Diaryl Sulfoxides. <i>Organic Letters</i> , 2016, 18, 972-975.	4.6	36
17	<i>tert</i> -Butyl Phenyl Sulfoxide: A Traceless Sulfenate Anion Precatalyst. <i>Organic Letters</i> , 2015, 17, 1164-1167.	4.6	35
18	Organocatalytic Synthesis of Alkynes. <i>Journal of the American Chemical Society</i> , 2015, 137, 10346-10350.	13.7	34

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19	Autocatalytic photoredox Chan-Lam coupling of free diaryl sulfoximines with arylboronic acids. <i>Nature Communications</i> , 2021, 12, 932.	12.8	34
20	Birefringent Stable Glass with Predominantly Isotropic Molecular Orientation. <i>Physical Review Letters</i> , 2017, 119, 095502.	7.8	28
21	Atom Transfer Radical Addition to Styrenes with Thiosulfonates Enabled by Synergetic Copper/Photoredox Catalysis. <i>Organic Letters</i> , 2021, 23, 1054-1059.	4.6	28
22	Substitution and Catalytic Chemistry of Gyroscope-Like Complexes Derived from Cl-Rh-CO Rotators and Triply <i>trans</i> -Spanning Di(trialkylphosphine) Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5318-5321.	2.0	25
23	Transition-metal-free formal cross-coupling of aryl methyl sulfoxides and alcohols via nucleophilic activation of C-S bond. <i>Nature Communications</i> , 2020, 11, 2890.	12.8	22
24	Palladium-Catalyzed Direct C-H Arylation of 3-(Methylsulfinyl)thiophenes. <i>Organic Letters</i> , 2018, 20, 2522-2525.	4.6	18
25	A Nontemplated Route to Macrocyclic Dibrigehead Diphosphorus Compounds: Crystallographic Characterization of a <i>Crossed-Chain</i> Variant of <i>in/out</i> Stereoisomers. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2632-2640.	3.3	18
26	Biomolecule-Compatible Dehydrogenative Chan-Lam Coupling of Free Sulfoximines. <i>Journal of the American Chemical Society</i> , 2022, 144, 12476-12487.	13.7	18
27	Radical Anion Promoted Chemoselective Cleavage of Csp <sup>2</sup> -S Bond Enables Formal Cross-Coupling of Aryl Methyl Sulfones with Alcohols. <i>Organic Letters</i> , 2021, 23, 5761-5765.	4.6	13
28	Copper-Catalyzed Chan-Lam Coupling of NH-Diaryl Sulfoximines. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2040-2046.	4.3	6
29	Recent Advances in <i>N</i> -Arylation of NH-Sulfoximines and Their Applications. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 714.	1.3	5
30	Repression of the transcriptional activity of ERR $\alpha$ with sequence-specific DNA-binding polyamides. <i>Medicinal Chemistry Research</i> , 2020, 29, 607-616.	2.4	3
31	RNA polymerase II trapped on a molecular treadmill: Structural basis of persistent transcriptional arrest by a minor groove DNA binder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114065119.	7.1	3