

# Jun Wang

## List of Publications by Year in descending order

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57  
papers

3,465  
citations

147801

31  
h-index

138484

58  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Strecker Reactions. <i>Chemical Reviews</i> , 2011, 111, 6947-6983.	47.7	447
2	Palladium-Catalyzed Cross-Dehydrogenative Functionalization of C(sp <sup>2</sup> )-H Bonds. <i>Chemistry - an Asian Journal</i> , 2014, 9, 26-47.	3.3	249
3	Catalytic Asymmetric Roskamp Reaction of $\alpha$ -Alkyl- $\alpha$ -diazoesters with Aromatic Aldehydes: Highly Enantioselective Synthesis of $\alpha$ -Alkyl- $\beta$ -keto Esters. <i>Journal of the American Chemical Society</i> , 2010, 132, 8532-8533.	13.7	166
4	Solvent-Dependent Asymmetric Synthesis of Alkynyl and Monofluoroalkenyl Isoindolinones by CpRh <sup>III</sup> -Catalyzed C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4048-4052.	13.8	161
5	Enantioselective Synthesis of $\alpha$ -N Axially Chiral N-Aryloxindoles by Asymmetric Rhodium-Catalyzed Dual C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6732-6736.	13.8	161
6	Asymmetric Activation of <i>trans</i> -2,2'-Biphenol with Cinchonine Generates an Effective Catalyst for the Asymmetric Strecker Reaction of $\alpha$ -Tosyl-Protected Aldimines and Ketoimines. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8468-8470.	13.8	116
7	Highly Enantioselective Aza-Henry Reaction of Ketoimines Catalyzed by Chiral $\alpha$ -Dioxido-Copper(I) Complexes. <i>Organic Letters</i> , 2008, 10, 5305-5308.	4.6	112
8	Highly Enantioselective Insertion of Carbenoids into Ni-H Bonds Catalyzed by Copper(I) Complexes of Binol Derivatives. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4763-4766.	13.8	110
9	Enantioselective Nitrene Transfer to Sulfides Catalyzed by a Chiral Iron Complex. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8661-8665.	13.8	110
10	Copper-catalyzed click reaction on/in live cells. <i>Chemical Science</i> , 2017, 8, 2107-2114.	7.4	102
11	Asymmetric Cyanation of Aldehydes, Ketones, Aldimines, and Ketimines Catalyzed by a Versatile Catalyst Generated from Cinchona Alkaloid, Achiral Substituted 2,2'-Biphenol and Tetraisopropyl Titanate. <i>Chemistry - A European Journal</i> , 2009, 15, 11642-11659.	3.3	92
12	Ruthenium(II)-Catalyzed Asymmetric Inert C-H Bond Activation Assisted by a Chiral Transient Directing Group. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3475-3479.	13.8	89
13	Highly Enantioselective Synthesis of $\alpha$ -Heteroaryl-Substituted Dihydrochalcones Through Friedel-Crafts Alkylation of Indoles and Pyrrole. <i>Chemistry - A European Journal</i> , 2010, 16, 1664-1669.	3.3	84
14	Asymmetric Cyanation of Activated Olefins with Ethyl Cyanofornate Catalyzed by a Modular Titanium Catalyst. <i>Organic Letters</i> , 2010, 12, 1280-1283.	4.6	77
15	Iron-Catalyzed Imidative Kinetic Resolution of Racemic Sulfoxides. <i>Chemistry - A European Journal</i> , 2014, 20, 966-969.	3.3	77
16	Highly Enantioselective Strecker Reaction of Ketoimines Catalyzed by an Organocatalyst from (S)-BINOL and $\alpha$ -Prolinamide. <i>Chemistry - A European Journal</i> , 2008, 14, 4484-4486.	3.3	74
17	Synthesis of 2-Alkenylquinoline by Reductive Olefination of Quinoline N-Oxide under Metal-Free Conditions. <i>Organic Letters</i> , 2016, 18, 1796-1799.	4.6	68
18	Highly enantioselective $\alpha$ -chlorination of cyclic $\beta$ -ketoesters catalyzed by N, $\alpha$ -Dioxide using NCS as the chlorine source. <i>Chemical Communications</i> , 2010, 46, 1250.	4.1	67

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19	Enantioselective Synthesis of C <sup>α</sup> -N Axially Chiral N-aryloxindoles by Asymmetric Rhodium-Catalyzed Dual C <sup>α</sup> -H Activation. <i>Angewandte Chemie</i> , 2019, 131, 6804-6808.	2.0	63
20	Introducing the Chiral Transient Directing Group Strategy to Rhodium(III)-Catalyzed Asymmetric C <sup>α</sup> -H Activation. <i>Chemistry - A European Journal</i> , 2019, 25, 4688-4694.	3.3	59
21	Solvent-Dependent Asymmetric Synthesis of Alkynyl and Monofluoroalkenyl Isoindolinones by CpRh <sup>III</sup> -Catalyzed C <sup>α</sup> -H Activation. <i>Angewandte Chemie</i> , 2018, 130, 4112-4116.	2.0	58
22	Cp*Co <sup>III</sup> -Catalyzed C <sup>α</sup> -H Alkenylation/Annulation to Afford Spiro Indenyl Benzosultam. <i>Journal of Organic Chemistry</i> , 2016, 81, 6093-6099.	3.2	56
23	A Secondary Amine Amide Organocatalyst for the Asymmetric Nitroaldol Reaction of $\beta$ -ketophosphonates. <i>Chemistry - A European Journal</i> , 2008, 14, 10896-10899.	3.3	55
24	Chiral Bicyclo[2.2.2]octane-Fused CpRh Complexes: Synthesis and Potential Use in Asymmetric C <sup>α</sup> -H Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22436-22440.	13.8	54
25	Asymmetric Cyanoethoxycarbonylation of Aldehydes Catalyzed by Heterobimetallic Aluminum Lithium Bis(binaphthoxide) and Cinchonine. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 343-349.	4.3	43
26	A New Class of C <sub>2</sub> -Symmetric Chiral Cyclopentadienyl Ligand Derived from Ferrocene Scaffold: Design, Synthesis and Application. <i>Chemistry - A European Journal</i> , 2020, 26, 14546-14550.	3.3	41
27	Mild Copper-Mediated Direct Oxidative Cross-Coupling of 1,3,4-Oxadiazoles with Polyfluoroarenes by Using Dioxide as Oxidant. <i>Chemistry - A European Journal</i> , 2013, 19, 3302-3305.	3.3	39
28	Chiral Bicyclo[2.2.2]octane-Fused CpRh Complexes: Synthesis and Potential Use in Asymmetric C <sup>α</sup> -H Activation. <i>Angewandte Chemie</i> , 2020, 132, 22622-22626.	2.0	38
29	Rhodium(III)-Catalyzed Asymmetric Addition of Inert Arene C <sup>α</sup> -H Bond to Aldehydes To Afford Enantioenriched Phthalides. <i>Organic Letters</i> , 2020, 22, 3586-3590.	4.6	35
30	Asymmetric cyanosilylation of ketones catalyzed by novel chiral N,N'-dioxide titanium complexes. <i>Tetrahedron Letters</i> , 2006, 47, 4011-4014.	1.4	30
31	Rapid Grafting of Azido-Labeled Oligo(ethylene glycol)s onto an Alkynyl-Terminated Monolayer on Nonoxidized Silicon via Microwave-Assisted $\alpha$ -Click Reaction. <i>Langmuir</i> , 2011, 27, 2437-2445.	3.5	30
32	Three-Component Synthesis of Isoquinoline Derivatives by a Relay Catalysis with a Single Rhodium(III) Catalyst. <i>Organic Letters</i> , 2019, 21, 4971-4975.	4.6	30
33	<i>N</i> -Methoxyamide: An Alternative Amidation Reagent in the Rhodium(III)-Catalyzed C <sup>α</sup> -H Activation. <i>Organic Letters</i> , 2019, 21, 9315-9319.	4.6	28
34	Chiral biphenylamide derivative: an efficient organocatalyst for the enantioselective synthesis of $\beta$ -hydroxy phosphonates. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4355.	2.8	27
35	Rhodium(III)-Catalyzed Asymmetric C <sup>α</sup> -H Activation of <i>N</i> -Methoxybenzamide with Quinone and Its Application in the Asymmetric Synthesis of a Dihydrolycoricidine Analogue. <i>Organic Letters</i> , 2020, 22, 3219-3223.	4.6	27
36	Biofunctionalization of a $\alpha$ -Clickable Organic Layer Photochemically Grafted on Titanium Substrates. <i>Langmuir</i> , 2011, 27, 4848-4856.	3.5	26

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37	Asymmetric Rh(I)-Catalyzed Functionalization of the 3-C( <i>sp</i> <sup>3</sup> )â€”H Bond of Benzofuranones with $\hat{\pm}$ -Diazoesters. <i>Organic Letters</i> , 2018, 20, 5889-5893.	4.6	24
38	A Class of Readily Tunable Planarâ€”Chiral Cyclopentadienyl Rhodium(III) Catalysts for Asymmetric Câ€”H Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
39	Probiotic <i>E. coli</i> Nissle 1917 biofilms on silicone substrates for bacterial interference against pathogen colonization. <i>Acta Biomaterialia</i> , 2017, 50, 353-360.	8.3	22
40	Metal-Free Synthesis of Functionalized Tetrasubstituted Alkenes by Three-Component Reaction of Alkynes, Iodine, and Sodium Sulfinates. <i>ACS Omega</i> , 2018, 3, 18002-18015.	3.5	22
41	Ruthenium(II)â€”Catalyzed Asymmetric Inert Câ”H Bond Activation Assisted by a Chiral Transient Directing Group. <i>Angewandte Chemie</i> , 2020, 132, 3503-3507.	2.0	21
42	Coating of silicone with mannoside-PAMAM dendrimers to enhance formation of non-pathogenic <i>Escherichia coli</i> biofilms against colonization of uropathogens. <i>Acta Biomaterialia</i> , 2017, 64, 200-210.	8.3	19
43	Chiral Arene Ligand as Stereocontroller for Asymmetric Câ”H Activation**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
44	Surfaces presenting $\hat{\pm}$ -phenyl mannoside derivatives enable formation of stable, high coverage, non-pathogenic <i>Escherichia coli</i> biofilms against pathogen colonization. <i>Biomaterials Science</i> , 2015, 3, 842-851.	5.4	14
45	Enantioselective Hydrolysis of Amino Acid Esters Promoted by Bis( $\hat{2}$ -cyclodextrin) Copper Complexes. <i>Scientific Reports</i> , 2016, 6, 22080.	3.3	14
46	CuI-catalyzed cross-coupling of terminal alkynes with dialkoxycarbenes: a general method for the synthesis of unsymmetrical propargylic acetals. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6215-6222.	2.8	13
47	Enantioselective Organocatalytic Desymmetrization of Cyclopentene-1,3-diones through Formal C( <i>sp</i> <sup>2</sup> )â€”H Amidation. <i>Journal of Organic Chemistry</i> , 2019, 84, 11306-11315.	3.2	10
48	A Theoretical Investigation on the Strecker Reaction Catalyzed by a Ti <sup>IV</sup> â€”Complex Catalyst Generated from a Cinchona Alkaloid, Achiral Substituted 2,2â€”Biphenol, and Tetraisopropyl Titanate. <i>Chemistry - A European Journal</i> , 2013, 19, 1637-1646.	3.3	8
49	Development of a <i>C</i> <sub>2</sub> -Symmetric Chiral <i>aza</i> Spirocyclic Diol. <i>Organic Letters</i> , 2020, 22, 3110-3113.	4.6	7
50	Rhodium(III)â€”Catalyzed Directed Câ”H Bond Naphthylation with 7â€”Azabenzonorbornadiene as the Naphthylating Reagent. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 233-237.	2.7	7
51	Highly Efficient Approach to 4-Ethoxy-5,6-dihydro-6,6-disubstituted Pyran-2-ones using a Combinational Lewis Acid-Base System. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 939-944.	4.3	6
52	Synthesis of 3â€”Unsubstituted Phthalides from Aryl Amides and Paraformaldehyde via Ruthenium(II)â€”Catalyzed Câ€”H Activation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6485-6488.	2.4	4
53	Rhodium(III)â€”Catalyzed Câ”H/Nâ”H Functionalization with Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2020, 26, 7365-7368.	3.3	4
54	Chiral Arene Ligand as Stereocontroller for Asymmetric Câ”H Activation**. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3

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55	Chiralâ€œDirectingâ€œGroupâ€œAssisted Rhodium(III)â€œCatalyzed Asymmetric Addition of Inert Arene Câˆ”H Bond to Aldimines with Subsequent Intramolecular Cyclization. Chemistry - A European Journal, 2021, 27, 16611-16615.	3.3	2
56	A Class of Readily Tunable Planarâ€œChiral Cyclopentadienyl Rhodium(III) Catalysts for Asymmetric Câˆ”H Activation. Angewandte Chemie, 2022, 134, .	2.0	2
57	Highly Enantioselective Synthesis of Î±-Diazo-Î²-hydroxy Esters Using a Bifunctional Titanium Complex. Synlett, 2009, 2009, 1655-1658.	1.8	1