

# Jiangtao Sun

## List of Publications by Year in descending order

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104  
papers

4,193  
citations

126708

33  
h-index

133063

59  
g-index

137  
all docs

137  
docs citations

137  
times ranked

4316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of gold nanoparticles in cancer nanotechnology. Nanotechnology, Science and Applications, 2008, Volume 1, 17-32.	4.6	652
2	Molecular imaging and therapy of cancer with radiolabeled nanoparticles. Nano Today, 2009, 4, 399-413.	6.2	234
3	Efficient Asymmetric Oxidation of Sulfides and Kinetic Resolution of Sulfoxides Catalyzed by a Vanadium <sup>III</sup> -Salan System. Journal of Organic Chemistry, 2004, 69, 8500-8503.	1.7	154
4	Gold-Catalyzed Formal [4+1]/[4+3] Cycloadditions of Diazo Esters with Triazines. Angewandte Chemie - International Edition, 2016, 55, 11867-11871.	7.2	146
5	Gold(I)-Catalyzed Diazo Coupling: Strategy towards Alkene Formation and Tandem Benzannulation. Angewandte Chemie - International Edition, 2014, 53, 11070-11074.	7.2	136
6	Stereodivergent Synthesis of $N$ -Heterocycles by Catalyst-Controlled, Activity-Directed Tandem Annulation of Diazo Compounds with Amino Alkynes. Angewandte Chemie - International Edition, 2015, 54, 12962-12967.	7.2	109
7	Gold(I)-Catalyzed Diazo Cross-Coupling: A Selective and Ligand-Controlled Denitrogenation/Cyclization Cascade. Angewandte Chemie - International Edition, 2015, 54, 883-887.	7.2	108
8	Gold-catalyzed sequential annulations towards 3,4-fused bi/tri-cyclic furans involving a [3+2+2]-cycloaddition. Chemical Communications, 2017, 53, 1152-1155.	2.2	77
9	Rhodium-Catalyzed Regioselective $N$ -Alkylation of Benzotriazoles with Diazo Compounds/Enynes via a Nonclassical Pathway. Angewandte Chemie - International Edition, 2018, 57, 12489-12493.	7.2	73
10	Gold-Catalyzed Regiodivergent [2 + 2 + 2]-Cycloadditions of Allenes with Triazines. Organic Letters, 2017, 19, 524-527.	2.4	71
11	Asymmetric [4 + 2]-Cycloaddition of Copper-Alkenylidenes with Hexahydro-1,3,5-triazines: Access to Chiral Tetrahydroquinazolines. Organic Letters, 2018, 20, 3710-3713.	2.4	71
12	[3 + 2]-Cycloaddition of Azaoxyallyl Cations with Hexahydro-1,3,5-triazines: Access to 4-Imidazolidinones. Organic Letters, 2018, 20, 2745-2748.	2.4	69
13	Gold(III)-Catalyzed Three-Component Coupling Reaction (TCC) Selective toward Furans. Organic Letters, 2013, 15, 2884-2887.	2.4	66
14	Copper-Catalyzed Diazo Cross-/Homo-Coupling toward Tetrasubstituted Olefins and Applications on the Synthesis of Maleimide Derivatives. Organic Letters, 2015, 17, 4244-4247.	2.4	61
15	Positron emission tomography imaging of prostate cancer. Amino Acids, 2010, 39, 11-27.	1.2	60
16	Realized $C-H$ Functionalization of Aryldiazo Compounds via Rhodium Relay Catalysis. Organic Letters, 2015, 17, 1810-1813.	2.4	60
17	Synthesis of Polyheteroaromatic Compounds via Rhodium-Catalyzed Multiple $C-H$ Bond Activation and Oxidative Annulation. Organic Letters, 2015, 17, 5032-5035.	2.4	59
18	Access to $N$ -Substituted 2-Pyridones by Catalytic Intermolecular Dearomatization and 1,4-Acyl Transfer. Angewandte Chemie - International Edition, 2019, 58, 1980-1984.	7.2	58

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19	Enantioselective ring-opening reaction of meso-epoxides with ArSH catalyzed by heterobimetallic Tiâ€“Gaâ€“Salen system. <i>Tetrahedron Letters</i> , 2009, 50, 548-551.	0.7	52
20	Multimodality imaging of nitric oxide and nitric oxide synthases. <i>Free Radical Biology and Medicine</i> , 2009, 47, 684-698.	1.3	51
21	Catalytic Asymmetric Ringâ€“Opening Reaction of <i>meso</i> -Epoxides with Aryl Selenols and Thiols Catalyzed by a Heterobimetallic Galliumâ€“Titaniumâ€“Salen Complex. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 920-930.	2.1	49
22	Metal-Free [2 + 1 + 2]-Cycloaddition of Tosylhydrazones with Hexahydro-1,3,5-triazines To Form Imidazolidines. <i>Organic Letters</i> , 2017, 19, 1858-1861.	2.4	49
23	Gold-catalyzed stereoselective dearomatization/metal-free aerobic oxidation: access to 3-substituted indolines/oxindoles. <i>Chemical Science</i> , 2018, 9, 634-639.	3.7	49
24	Stereoselective Synthesis of Tetrasubstituted Furylalkenes via Gold-Catalyzed Cross-Coupling of Enynones with Diazo Compounds. <i>Organic Letters</i> , 2017, 19, 3482-3485.	2.4	47
25	Palladium-catalyzed carbenoid based Nâ€“H bond insertions: application to the synthesis of chiral Î±-amino esters. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5998.	1.5	40
26	Goldâ€“Catalyzed Formal [4+1]/[4+3] Cycloadditions of Diazo Esters with Triazines. <i>Angewandte Chemie</i> , 2016, 128, 12046-12050.	1.6	39
27	An efficient synthesis of isoquinolines via rhodium-catalyzed direct Câ€“H functionalization of arylhydrazines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7920-7923.	1.5	37
28	Baseâ€“Promoted/Goldâ€“Catalyzed Intramolecular Highly Selective and Controllable Detosylative Cyclization. <i>Chemistry - A European Journal</i> , 2015, 21, 12871-12875.	1.7	36
29	Mild gold-catalyzed three-component dehydrogenative coupling of terminal alkynes to amines and indole-2-carboxaldehyde. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2523-2527.	1.5	35
30	When Aryldiazonium Salts Meet Vinyl Diazoacetates: A Cobalt-Catalyzed Regiospecific Synthesis of N-Arylpyrazoles. <i>Organic Letters</i> , 2014, 16, 3110-3113.	2.4	35
31	Gold-catalyzed highly regio- and enantioselective vinylcarbene insertion into Oâ€“H bonds of 2-pyridones. <i>Chemical Communications</i> , 2017, 53, 3197-3200.	2.2	35
32	Gold-Catalyzed Controllable C2-Functionalization of Benzofurans with Aryl Diazoesters. <i>Organic Letters</i> , 2018, 20, 72-75.	2.4	35
33	Gold-catalyzed [2+2+2]-annulation of 1,3,5-hexahydro-1,3,5-triazines with alkoxyallenes. <i>Chemical Communications</i> , 2017, 53, 12770-12773.	2.2	34
34	Catalyst-Controlled Selective Alkylation/Cyclopropanation of Indoles with Vinyl Diazoesters. <i>Organic Letters</i> , 2019, 21, 8488-8491.	2.4	34
35	Ruthenium-Catalyzed Chemoselective Nâ€“H Bond Insertion Reactions of 2-Pyridones/7-Azaindoles with Sulfoxonium Ylides. <i>Organic Letters</i> , 2021, 23, 1038-1043.	2.4	34
36	Rhodium-Catalyzed Asymmetric Dearomative [4 + 3]-Cycloaddition of Vinylindoles with Vinylidiazooacetates: Access to Cyclohepta[ <i>b</i> ]indoles. <i>Organic Letters</i> , 2018, 20, 3408-3412.	2.4	33

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37	Chemo- and Enantioselective Insertion of Furyl Carbene into the N-H Bond of 2-Pyridones. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16942-16946.	7.2	32
38	Copper-catalyzed annulation of $\beta$ -substituted diazoacetates with 2-ethynylanilines: the direct synthesis of C2-functionalized indoles. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1387-1390.	1.5	31
39	Molecular hydrogelators consist of Taxol and short peptides/amino acids. <i>Journal of Materials Chemistry</i> , 2012, 22, 16933.	6.7	30
40	Gold/silver-catalyzed controllable regioselective vinylcarbene insertion into O-H bonds. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2345-2348.	1.5	29
41	Gold-catalyzed intramolecular diazo coupling: an efficient macrocyclization towards cyclic olefins. <i>Chemical Communications</i> , 2015, 51, 12768-12770.	2.2	28
42	Gold-catalyzed C5-alkylation of indolines and sequential oxidative aromatization: access to C5-functionalized indoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3889-3892.	1.5	27
43	Rhodium-Catalyzed C-N Bond Formation through a Rebound Hydrolysis Mechanism and Application in $\beta$ -Lactam Synthesis. <i>Organic Letters</i> , 2019, 21, 4124-4127.	2.4	27
44	Dearomative Migratory Rearrangement of 2-Oxypyridines Enabled by $\beta$ -Imino Rhodium Carbene. <i>Organic Letters</i> , 2020, 22, 9303-9307.	2.4	27
45	Enantioselective pinacol coupling reaction of aromatic aldehydes catalyzed by chiral vanadium complexes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3219-3221.	0.8	26
46	Copper-Catalyzed Ni-H Insertion and Oxidative Aromatization Cascade: Facile Synthesis of 2-Arylamino-phenols. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1539-1542.	1.7	26
47	Forming All-Carbon Quaternary Stereocenters by Organocatalytic Aminomethylation: Concise Access to $\beta$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23516-23520.	7.2	26
48	Divergent Synthesis of Fused Tricyclic Compounds via a Tandem Reaction from Alkynyl-cyclohexadienones and Diazoesters. <i>Organic Letters</i> , 2017, 19, 6440-6443.	2.4	25
49	Ir-Catalyzed Regiocontrolled Allylic Amination of Di-/Trienyl Allylic Alcohols with Secondary Amines. <i>Organic Letters</i> , 2019, 21, 7228-7232.	2.4	25
50	Stereoselective Synthesis of Fully Substituted $\beta$ -Lactams via Metal-Organic Relay Catalysis. <i>Organic Letters</i> , 2019, 21, 3804-3807.	2.4	25
51	Trinuclear Rhodium Complexes and Their Relevance for Asymmetric Hydrogenation. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1979-1982.	1.7	24
52	A controlled selective synthesis of dihydropyrans through tandem reaction of alkynes with diazo compounds. <i>Chemical Communications</i> , 2017, 53, 4350-4353.	2.2	24
53	Copper-Catalyzed Oxy-aminomethylation of Diazo Compounds with $\alpha$ -N,O-Acetals. <i>Organic Letters</i> , 2019, 21, 1664-1667.	2.4	24
54	A highly enantioselective Darzens reaction between diazoacetamides and aldehydes catalyzed by a (+)-pinanediol-Ti(OiPr) <sub>4</sub> system. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 900.	1.5	23

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55	Catalyst-free synthesis of tetrahydropyrimidines <i>via</i> formal [3+3]-cycloaddition of imines with 1,3,5-hexahydro-1,3,5-triazines. RSC Advances, 2018, 8, 5532-5535.	1.7	23
56	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Catalyzed formal (4+1)-annulation of <i>ortho</i> -quinone methides with diazoacetates: access to 2,3-dihydrobenzofurans. Chemical Communications, 2019, 55, 9096-9099.	2.2	23
57	Construction of C <sup>∞</sup> C Axial Chirality via Asymmetric Carbene Insertion into Arene C <sup>∞</sup> H Bonds. Angewandte Chemie - International Edition, 2021, 60, 25714-25718.	7.2	23
58	CuI-catalyzed cross-coupling of diazoacetamide with terminal alkynes: an approach to synthesizing substituted dienamides and 3-butynamides. RSC Advances, 2013, 3, 21260.	1.7	22
59	Iron-catalyzed intermolecular cycloaddition of diazo surrogates with hexahydro-1,3,5-triazines. Organic and Biomolecular Chemistry, 2017, 15, 7743-7746.	1.5	22
60	Gold-Catalyzed Highly Diastereoselective Oxy-Propargylation of Allenamides with <i>C</i> -Alkynyl <i>N</i> -Boc <i>N</i> , <i>O</i> -Acetals. Organic Letters, 2019, 21, 9050-9054.	2.4	22
61	Vanadium-Salan Catalyzed Enantioselective Ring Opening of meso-Epoxides with Aromatic Amines. Synthesis, 2008, 2008, 2100-2104.	1.2	21
62	Photo-Assisted Multi-Component Reactions (MCR): A New Entry to $\alpha$ -Pyrimidinethiones. Advanced Synthesis and Catalysis, 2014, 356, 2801-2806.	2.1	21
63	Synthesis of Six-Membered Carbo-/Heterocycles via Cascade Reaction of Alkynes and Diazo Compounds. Journal of Organic Chemistry, 2017, 82, 5492-5498.	1.7	21
64	Gold-Catalyzed Cascade Cyclization and 1,3-Difunctionalization To Access Polysubstituted Furans. Organic Letters, 2021, 23, 853-857.	2.4	21
65	Gold-Catalyzed Intermolecular Formal [4 + 2 + 2]-Cycloaddition of Anthranils with Allenamides. Organic Letters, 2020, 22, 5990-5994.	2.4	20
66	Tandem Reaction of Allenoate Formation and Cyclization: Divergent Synthesis of Four- to Six-Membered Heterocycles. Organic Letters, 2018, 20, 7708-7711.	2.4	19
67	Metal-free, visible-light photoredox catalysis: transformation of arylmethyl bromides to alcohols and aldehydes. RSC Advances, 2014, 4, 49974-49978.	1.7	18
68	Copper-Catalyzed Amino-oxymethylation of Ynamides with <i>N</i> , <i>O</i> -Acetals. Organic Letters, 2019, 21, 9076-9079.	2.4	18
69	Palladium catalyzed N <sup>∞</sup> H bond insertion and intramolecular cyclization cascade: the divergent synthesis of heterocyclics. Organic and Biomolecular Chemistry, 2014, 12, 2533-2537.	1.5	17
70	Gd(III)-induced Supramolecular Hydrogelation with Enhanced Magnetic Resonance Performance for Enzyme Detection. Scientific Reports, 2017, 7, 40172.	1.6	17
71	Atroposelective Synthesis of Axially Chiral C <sub>2</sub> -Arylindoles via Rhodium-Catalyzed Asymmetric C <sup>∞</sup> H Bond Insertion. Organic Letters, 2022, 24, 4670-4674.	2.4	17
72	Synthesis of new Schiff base-camphorsulfonyl amide ligands and in situ screening in the asymmetric additions of organozinc reagents to aldehydes. Tetrahedron: Asymmetry, 2008, 19, 2451-2457.	1.8	16



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91	Synthesis of Optically Active 2,5-Dialkylcyclohexane-1,4-diols and Their Application in the Asymmetric Oxidation of Sulfides. <i>Synthesis</i> , 2008, 2008, 2513-2518.	1.2	7
92	Asymmetric [3 + 1]-Cycloaddition Reaction via Diazo Discrimination. <i>Organic Letters</i> , 2021, 23, 7613-7617.	2.4	7
93	Scandium-catalyzed highly selective N2-alkylation of benzotriazoles with cyclohexanones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 278-282.	2.3	6
94	Enyne diketones as substrate in asymmetric Nazarov cyclization for construction of chiral allene cyclopentenones. <i>Nature Communications</i> , 2022, 13, .	5.8	6
95	Site-Selective Functionalization of 7-Azaindoles via Carbene Transfer and Isolation of <i>N</i> -Aromatic Zwitterions. <i>Organic Letters</i> , 2020, 22, 9376-9380.	2.4	5
96	Chemo- and Enantioselective Insertion of Furyl Carbene into the N-H Bond of 2-Pyridones. <i>Angewandte Chemie</i> , 2021, 133, 17079-17083.	1.6	3
97	Construction of C-C Axial Chirality via Asymmetric Carbene Insertion into Arene C-H Bonds. <i>Angewandte Chemie</i> , 0, , .	1.6	3
98	Catalytic Enantioselective Ring-Opening Reaction of meso-Epoxides with ArSeH Using a (Salen)Ti(IV) Complex. <i>Letters in Organic Chemistry</i> , 2010, 7, 561-565.	0.2	2
99	Synthesis of Novel 1,4-Bissulfonamide Ligands for Enantioselective Addition of Diethylzinc to Aldehydes. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1697-1702.	2.6	2
100	Forming All-Carbon Quaternary Stereocenters by Organocatalytic Aminomethylation: Concise Access to $\beta$ -Amino Acids. <i>Angewandte Chemie</i> , 2020, 132, 23722-23726.	1.6	2
101	Diastereoselective Formation of $\beta$ -Lactams via a Three-Component Reaction. <i>New Journal of Chemistry</i> , 0, , .	1.4	2
102	Salan-Vanadium Catalyzed Enantioselective Desymmetrization of meso-Epoxides with Aromatic Thiols. <i>Letters in Organic Chemistry</i> , 2009, 6, 329-331.	0.2	1
103	Efficient Asymmetric Oxidation of Sulfides and Kinetic Resolution of Sulfoxides Catalyzed by a Vanadium-Salan System. <i>ChemInform</i> , 2005, 36, no.	0.1	0
104	Innentitelbild: Access to N-Substituted 2-Pyridones by Catalytic Intermolecular Dearomatization and 1,4-Acyl Transfer ( <i>Angew. Chem.</i> 7/2019). <i>Angewandte Chemie</i> , 2019, 131, 1866-1866.	1.6	0