

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	Rhodium-catalyzed dearomative rearrangement of 2-oxypyridines with cyclopropenes: access to <i>N</i> -alkylated 2-pyridones. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1295-1299.	2.3	13
2	Catalytic Transformations of 2-Pyridones by Rhodium-Mediated Carbene Transfer. <i>Organic Letters</i> , 2022, 24, 1637-1641.	2.4	9
3	Asymmetric Arylation of Diazoesters with Anisoles Enabled by Cooperative Gold and Phosphoric Acid Catalysis. <i>Organic Letters</i> , 2022, 24, 2809-2814.	2.4	14
4	Atroposelective Synthesis of Axially Chiral C2-Arylindoles via Rhodium-Catalyzed Asymmetric C-H Bond Insertion. <i>Organic Letters</i> , 2022, 24, 4670-4674.	2.4	17
5	Enyne diketones as substrate in asymmetric Nazarov cyclization for construction of chiral allene cyclopentenones. <i>Nature Communications</i> , 2022, 13, .	5.8	6
6	Scandium-catalyzed highly selective N2-alkylation of benzotriazoles with cyclohexanones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 278-282.	2.3	6
7	Iridium-catalyzed regio- and enantioselective allylic esterification of secondary allylic alcohols with carboxylic acids. <i>Chemical Communications</i> , 2021, 57, 11080-11083.	2.2	9
8	Ruthenium-Catalyzed Chemoselective N-H Bond Insertion Reactions of 2-Pyridones/7-Azaindoles with Sulfoxonium Ylides. <i>Organic Letters</i> , 2021, 23, 1038-1043.	2.4	34
9	Copper-Catalyzed 1,1-Boroalkylation of Terminal Alkynes: Access to Alkenylboronates via a Three-Component Reaction. <i>Organic Letters</i> , 2021, 23, 3706-3711.	2.4	13
10	Chemoselective 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
11	Chemoselective 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
12	Copper-Catalyzed Tandem Cross-Coupling and Alkynylogous Aldol Reaction: Access to Chiral Exocyclic β -Allenols. <i>Organic Letters</i> , 2021, 23, 5175-5179.	2.4	8
13	Asymmetric [3 + 1]-Cycloaddition Reaction via Diazo Discrimination. <i>Organic Letters</i> , 2021, 23, 7613-7617.	2.4	7
14	Construction of C-C Axial Chirality via Asymmetric Carbene Insertion into Arene C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25714-25718.	7.2	23
15	Gold-Catalyzed Cascade Cyclization and 1,3-Difunctionalization To Access Polysubstituted Furans. <i>Organic Letters</i> , 2021, 23, 853-857.	2.4	21
16	[4+3]-Cycloaddition Reaction of Sulfilimines with Cyclobutenones: Access to Benzazepinones. <i>Organic Letters</i> , 2021, 23, 8921-8925.	2.4	15
17	Gold-Catalyzed Intermolecular Formal [4 + 2 + 2]-Cycloaddition of Anthranils with Allenamides. <i>Organic Letters</i> , 2020, 22, 5990-5994.	2.4	20
18	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

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19	Dearomative Migratory Rearrangement of 2-Oxypyridines Enabled by $\hat{\pm}$ -Imino Rhodium Carbene. <i>Organic Letters</i> , 2020, 22, 9303-9307.	2.4	27
20	Forming All-Carbon Quaternary Stereocenters by Organocatalytic Aminomethylation: Concise Access to $\hat{2}$,2'-Amino Acids. <i>Angewandte Chemie</i> , 2020, 132, 23722-23726.	1.6	2
21	Forming All-Carbon Quaternary Stereocenters by Organocatalytic Aminomethylation: Concise Access to $\hat{2}^{sup}2,2^{sup}$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23516-23520.	7.2	26
22	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
23	B(C ₆ F ₅) ₃ -Catalyzed formal (4+1)-annulation of <i>ortho</i> -quinone methides with diazoacetates: access to 2,3-dihydrobenzofurans. <i>Chemical Communications</i> , 2019, 55, 9096-9099.	2.2	23
24	Catalyst-Controlled Selective Alkylation/Cyclopropanation of Indoles with Vinyl Diazoesters. <i>Organic Letters</i> , 2019, 21, 8488-8491.	2.4	34
25	Gold-Catalyzed Highly Diastereoselective Oxy-Propargylation of Allenamides with <i>C</i> -Alkynyl <i>N</i> -Boc <i>N</i> , <i>O</i> -Acetals. <i>Organic Letters</i> , 2019, 21, 9050-9054.	2.4	22
26	Copper-Catalyzed Amino-oxy-methylation of Ynamides with <i>N</i> , <i>O</i> -Acetals. <i>Organic Letters</i> , 2019, 21, 9076-9079.	2.4	18
27	Ir-Catalyzed Regiocontrolled Allylic Amination of Di-/Trienyl Allylic Alcohols with Secondary Amines. <i>Organic Letters</i> , 2019, 21, 7228-7232.	2.4	25
28	Rhodium-Catalyzed C-N Bond Formation through a Rebound Hydrolysis Mechanism and Application in $\hat{2}$ -Lactam Synthesis. <i>Organic Letters</i> , 2019, 21, 4124-4127.	2.4	27
29	Stereoselective Synthesis of Fully Substituted $\hat{2}$ -Lactams via Metal-Organic Relay Catalysis. <i>Organic Letters</i> , 2019, 21, 3804-3807.	2.4	25
30	Copper-Catalyzed Oxy-aminomethylation of Diazo Compounds with <i>N</i> , <i>O</i> -Acetals. <i>Organic Letters</i> , 2019, 21, 1664-1667.	2.4	24
31	Access to <i>N</i> -Substituted 2-Pyridones by Catalytic Intermolecular Dearomatization and 1,4-Acyl Transfer. <i>Angewandte Chemie</i> , 2019, 131, 2002-2006.	1.6	12
32	Access to <i>N</i> -Substituted 2-Pyridones by Catalytic Intermolecular Dearomatization and 1,4-Acyl Transfer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1980-1984.	7.2	58
33	[3 + 2]-Cycloaddition of Azaoxyallyl Cations with Hexahydro-1,3,5-triazines: Access to 4-Imidazolidinones. <i>Organic Letters</i> , 2018, 20, 2745-2748.	2.4	69
34	Catalyst-free synthesis of tetrahydropyrimidines <i>via</i> formal [3+3]-cycloaddition of imines with 1,3,5-hexahydro-1,3,5-triazines. <i>RSC Advances</i> , 2018, 8, 5532-5535.	1.7	23
35	Gold-Catalyzed Controllable C2-Functionalization of Benzofurans with Aryl Diazoesters. <i>Organic Letters</i> , 2018, 20, 72-75.	2.4	35
36	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

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37	Lewis Acid-Mediated Room-Temperature Cascade Reaction of 3-Hydroxyisoindolin-1-one with Alkynes. <i>Journal of Organic Chemistry</i> , 2018, 83, 4257-4263.	1.7	10
38	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
39	Tandem Reaction of Allenoate Formation and Cyclization: Divergent Synthesis of Four- to Six-Membered Heterocycles. <i>Organic Letters</i> , 2018, 20, 7708-7711.	2.4	19
40	Rhodium-Catalyzed Asymmetric Dearomative [4 + 3]-Cycloaddition of Vinylindoles with Vinyl diazoacetates: Access to Cyclohepta[<i>b</i>]indoles. <i>Organic Letters</i> , 2018, 20, 3408-3412.	2.4	33
41	Rhodium-Catalyzed Regioselective <i>N</i> ² -Alkylation of Benzotriazoles with Diazo Compounds/Enynones via a Nonclassical Pathway. <i>Angewandte Chemie</i> , 2018, 130, 12669-12673.	1.6	12
42	Rhodium-Catalyzed Regioselective <i>N</i> ² -Alkylation of Benzotriazoles with Diazo Compounds/Enynones via a Nonclassical Pathway. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12489-12493.	7.2	73
43	Asymmetric [4 + 2]-Cycloaddition of Copper-Alkenylidenes with Hexahydro-1,3,5-triazines: Access to Chiral Tetrahydroquinazolines. <i>Organic Letters</i> , 2018, 20, 3710-3713.	2.4	71
44	Gold-Catalyzed Regiodivergent [2 + 2 + 2]-Cycloadditions of Allenes with Triazines. <i>Organic Letters</i> , 2017, 19, 524-527.	2.4	71
45	Gold-catalyzed highly regio- and enantioselective vinylcarbene insertion into O-H bonds of 2-pyridones. <i>Chemical Communications</i> , 2017, 53, 3197-3200.	2.2	35
46	Gold/silver-catalyzed controllable regioselective vinylcarbene insertion into O-H bonds. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2345-2348.	1.5	29
47	Gd(III)-induced Supramolecular Hydrogelation with Enhanced Magnetic Resonance Performance for Enzyme Detection. <i>Scientific Reports</i> , 2017, 7, 40172.	1.6	17
48	Synthesis of Six-Membered Carbo-/Heterocycles via Cascade Reaction of Alkynes and Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2017, 82, 5492-5498.	1.7	21
49	Synthesis of seven-membered heterocycles via copper-catalyzed cross-coupling of terminal alkynes with diazo compounds and sequential Michael addition. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5272-5274.	1.5	11
50	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
51	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
52	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
53	Gold-catalyzed sequential annulations towards 3,4-fused bi/tri-cyclic furans involving a [3+2+2]-cycloaddition. <i>Chemical Communications</i> , 2017, 53, 1152-1155.	2.2	77
54	Iron-catalyzed intermolecular cycloaddition of diazo surrogates with hexahydro-1,3,5-triazines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7743-7746.	1.5	22

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55	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
56	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
57	Gold-Catalyzed Formal [4+1]/[4+3] Cycloadditions of Diazo Esters with Triazines. <i>Angewandte Chemie</i> , 2016, 128, 12046-12050.	1.6	39
58	Gold-Catalyzed Formal [4+1]/[4+3] Cycloadditions of Diazo Esters with Triazines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11867-11871.	7.2	146
59	Base-Promoted/Gold-Catalyzed Intramolecular Highly Selective and Controllable Detosylative Cyclization. <i>Chemistry - A European Journal</i> , 2015, 21, 12871-12875.	1.7	36
60	Stereodivergent Synthesis of N -Heterocycles by Catalyst-Controlled, Activity-Directed Tandem Annulation of Diazo Compounds with Amino Alkynes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12962-12967.	7.2	109
61	Copper-catalyzed 1,3-dipolar cycloaddition of methyleneindolinones and N,N -cyclic azomethine imines. <i>Chinese Chemical Letters</i> , 2015, 26, 301-303.	4.8	13
62	An efficient synthesis of isoquinolines via rhodium-catalyzed direct $C-H$ functionalization of arylhydrazines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7920-7923.	1.5	37
63	Gold-catalyzed intramolecular diazo coupling: an efficient macrocyclization towards cyclic olefins. <i>Chemical Communications</i> , 2015, 51, 12768-12770.	2.2	28
64	Realized $C-H$ Functionalization of Aryldiazo Compounds via Rhodium Relay Catalysis. <i>Organic Letters</i> , 2015, 17, 1810-1813.	2.4	60
65	Synthesis of Polyheteroaromatic Compounds via Rhodium-Catalyzed Multiple $C-H$ Bond Activation and Oxidative Annulation. <i>Organic Letters</i> , 2015, 17, 5032-5035.	2.4	59
66	Copper-Catalyzed Diazo Cross-/Homo-Coupling toward Tetrasubstituted Olefins and Applications on the Synthesis of Maleimide Derivatives. <i>Organic Letters</i> , 2015, 17, 4244-4247.	2.4	61
67	Gold(I)-Catalyzed Diazo Cross-Coupling: A Selective and Ligand-Controlled Denitrogenation/Cyclization Cascade. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 883-887.	7.2	108
68	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
69	A highly efficient DBU-catalyzed green synthesis of spiro-oxindoles. <i>RSC Advances</i> , 2014, 4, 44193-44196.	1.7	8
70	Palladium catalyzed $N-H$ bond insertion and intramolecular cyclization cascade: the divergent synthesis of heterocyclics. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2533-2537.	1.5	17
71	Metal-free, visible-light photoredox catalysis: transformation of arylmethyl bromides to alcohols and aldehydes. <i>RSC Advances</i> , 2014, 4, 49974-49978.	1.7	18
72	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

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73	Gold(I)-Catalyzed Diazo Coupling: Strategy towards Alkene Formation and Tandem Benzannulation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11070-11074.	7.2	136
74	A supramolecular hydrogel for the delivery of bortezomib. <i>RSC Advances</i> , 2014, 4, 50145-50147.	1.7	10
75	Copper-catalyzed annulation of $\hat{1}\pm$ -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
76	A Pd-catalyzed cascade reaction of N $\hat{1}$ -H insertion and oxidative dehydrogenative aromatization: a new entry to 2-amino-phenols. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4084-4088.	1.5	8
77	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
78	Photo-Assisted Multi-Component Reactions (MCR): A New Entry to 2-Pyrimidinethiones. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2801-2806.	2.1	21
79	Palladium-catalyzed carbenoid based N $\hat{1}$ -H bond insertions: application to the synthesis of chiral $\hat{1}\pm$ -amino esters. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5998.	1.5	40
80	A highly enantioselective Darzens reaction between diazoacetamides and aldehydes catalyzed by a (+)-pinanediol-Ti(OiPr) ₄ system. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 900.	1.5	23
81	Gold(III)-Catalyzed Three-Component Coupling Reaction (TCC) Selective toward Furans. <i>Organic Letters</i> , 2013, 15, 2884-2887.	2.4	66
82	CuI-catalyzed cross-coupling of diazoacetamide with terminal alkynes: an approach to synthesizing substituted dienamides and 3-butynamides. <i>RSC Advances</i> , 2013, 3, 21260.	1.7	22
83	Molecular hydrogelators consist of Taxol and short peptides/amino acids. <i>Journal of Materials Chemistry</i> , 2012, 22, 16933.	6.7	30
84	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
85	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
86	Positron emission tomography imaging of prostate cancer. <i>Amino Acids</i> , 2010, 39, 11-27.	1.2	60
87	Multimodality imaging of nitric oxide and nitric oxide synthases. <i>Free Radical Biology and Medicine</i> , 2009, 47, 684-698.	1.3	51
88	Unusual Deactivation in the Asymmetric Hydrogenation of Itaconic Acid. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 750-754.	2.1	15
89	Catalytic Asymmetric Ring-Opening Reaction of meso-Epoxides with Aryl Selenols and Thiols Catalyzed by a Heterobimetallic Gallium-Titanium-Salen Complex. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 920-930.	2.1	49
90	Molecular imaging and therapy of cancer with radiolabeled nanoparticles. <i>Nano Today</i> , 2009, 4, 399-413.	6.2	234

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91	Enantioselective ring-opening reaction of meso-epoxides with ArSH catalyzed by heterobimetallic Tiâ€“Gaâ€“Salen system. Tetrahedron Letters, 2009, 50, 548-551.	0.7	52
92	Enantioselective pinacol coupling reaction of aromatic aldehydes catalyzed by chiral vanadium complexes. Journal of Organometallic Chemistry, 2009, 694, 3219-3221.	0.8	26
93	Salan-Vanadium Catalyzed Enantioselective Desymmetrization of meso-Epoxides with Aromatic Thiols. Letters in Organic Chemistry, 2009, 6, 329-331.	0.2	1
94	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
95	Trinuclear Rhodium Complexes and Their Relevance for Asymmetric Hydrogenation. Chemistry - an Asian Journal, 2008, 3, 1979-1982.	1.7	24
96	Synthesis of Optically Active 2,5-Dialkylcyclohexane-1,4-diols and Their Application in the Asymmetric Oxidation of Sulfides. Synthesis, 2008, 2008, 2513-2518.	1.2	7
97	Vanadium-Salan Catalyzed Enantioselective Ring Opening of meso-Epoxides with Aromatic Amines. Synthesis, 2008, 2008, 2100-2104.	1.2	21
98	Applications of gold nanoparticles in cancer nanotechnology. Nanotechnology, Science and Applications, 2008, Volume 1, 17-32.	4.6	652
99	Efficient Asymmetric Oxidation of Sulfides and Kinetic Resolution of Sulfoxides Catalyzed by a Vanadium-Salan System.. ChemInform, 2005, 36, no.	0.1	0
100	The Synthesis of New C2-Symmetric Chiral 1,4-Diamino Motif and Application in Catalytic Asymmetric Alkynylation of meso-Epoxides. Synlett, 2004, 2004, 465-468.	1.0	15
101	Efficient Asymmetric Oxidation of Sulfides and Kinetic Resolution of Sulfoxides Catalyzed by a Vanadium-Salan System. Journal of Organic Chemistry, 2004, 69, 8500-8503.	1.7	154
102	Synthesis and asymmetric catalytic activities of chiral organogallium and indium complexes with ephedrine derivatives as ligands. The crystal structure of [(1R,2S)-1,2-diphenylpropane-1,2-diol]GaCl2. Acta Cryst. B, 2004, 30, 1-10.	1.4	13
103	Construction of C-C Axial Chirality via Asymmetric Carbene Insertion into Arene C-H Bonds. Angewandte Chemie, 2004, 116, 111-114.	1.6	3
104	Diastereoselective Formation of Î²-Lactams via a Three-Component Reaction. New Journal of Chemistry, 2004, 2004, 111-114.	1.4	2