

Shi-Kai Tian

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Copper-catalyzed C-3 benzylation of quinoxalin-2(1 <i>H</i>)-ones with benzylsulfonyl hydrazides. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4518-4521.	2.8	3
2	Aromatic Aza-Claisen Rearrangement of Arylpropargylammonium Salts Generated in situ from Arynes and Tertiary Propargylamines. <i>Chemistry - A European Journal</i> , 2021, 27, 3091-3097.	3.3	12
3	Aryne-mediated [2,3]-sigmatropic rearrangement of tertiary 2,3-allenylamines bearing an electron-withdrawing group at the β -position. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5353-5357.	2.8	2
4	Strain-release C-C bond cleavage enables the [2,3]-sigmatropic rearrangement of tertiary allyl amines. <i>Chemical Communications</i> , 2021, 57, 8449-8451.	4.1	3
5	Asymmetric Aza-Claisen Rearrangement between Enantioenriched β -Chiral Allyl amines and Allenones. <i>Journal of Organic Chemistry</i> , 2021, 86, 3065-3073.	3.2	7
6	Highly Regioselective Aromatic C-H Allylation of <i>N</i> -(Arylmethyl)sulfonimides with Allyl Grignard Reagents Involving Benzylic C-N Cleavage. <i>Organic Letters</i> , 2021, 23, 6877-6881.	4.6	5
7	Palladium-Catalyzed Highly Regioselective Aromatic Substitution of Benzylic Ammonium Salts with Amines. <i>Organic Letters</i> , 2019, 21, 7169-7173.	4.6	19
8	Carbon Tetrachloride-Mediated Cyclization of (2-Alkynyl)aryldimines for the Synthesis of Polychlorinated Nitrogen Heterocycles. <i>Organic Letters</i> , 2019, 21, 5675-5678.	4.6	8
9	Chiral β -Amino Acid/Palladium-Catalyzed Asymmetric Allylation of β -Branched β^2 -Ketoesters with Allylic Amines: Highly Enantioselective Construction of All-Carbon Quaternary Stereocenters. <i>Journal of Organic Chemistry</i> , 2019, 84, 14936-14942.	3.2	16
10	1,2-Aminohalogenation of aryne with amines and organohalides. <i>Chemical Communications</i> , 2019, 55, 11255-11258.	4.1	18
11	Epoxy-mediated Stevens Rearrangements of β -Amino Acid-Derived Tertiary Allylic, Propargylic, and Benzylic Amines: Convenient Access to Polysubstituted Morpholinones. <i>Chemistry - A European Journal</i> , 2019, 25, 5169-5172.	3.3	8
12	Facile construction of three-membered rings via benzyne-promoted Darzens-type reaction of tertiary amines. <i>Tetrahedron</i> , 2019, 75, 1632-1638.	1.9	8
13	Copper-Catalyzed Oxidative Carbamoylation of <i>N</i> -Arylacrylamides with Hydrazinecarboxamides Leading to 2-(Oxindol-3-yl)acetamide. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1544-1548.	4.3	33
14	Benzyne-Promoted Curtius-Type Rearrangement of Acyl Hydrazides in the Presence of Nucleophiles. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 119-122.	2.7	9
15	Nucleophilic addition of tertiary propargylic amines to aryne followed by a [2,3]-sigmatropic rearrangement. <i>Chemical Communications</i> , 2018, 54, 6036-6039.	4.1	26
16	Formal Insertion of Imines (or Nitrogen Heteroarenes) and Arynes into the C-Cl Bond of Carbon Tetrachloride. <i>Organic Letters</i> , 2018, 20, 4545-4548.	4.6	33
17	TfNHNBoc as a SCF ₃ source for the sulfenylation of indoles. <i>Chemical Communications</i> , 2018, 54, 8980-8982.	4.1	20
18	Three-component carboarylation of unactivated imines with aryne and carbon nucleophiles. <i>Chemical Communications</i> , 2017, 53, 1708-1711.	4.1	32

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19	Improving the Catalytic Activity of Au ₂₅ Nanocluster by Peeling and Doping. Chinese Journal of Chemistry, 2017, 35, 567-571.	4.9	57
20	N-Hydroxy sulfonamides as new sulfenylating agents for the functionalization of aromatic compounds. Organic and Biomolecular Chemistry, 2017, 15, 5284-5288.	2.8	32
21	Stereospecific Nucleophilic Substitution of Enantioenriched Tertiary Benzylic Amines via in Situ Activation with Benzyne. Organic Letters, 2017, 19, 1554-1557.	4.6	50
22	Sulfonyl hydrazides as sulfonyl sources in organic synthesis. Tetrahedron Letters, 2017, 58, 487-504.	1.4	104
23	Activation and Substitution of 1-Ferrocenylalkylamines with Allenones: Application to Three-Component Synthesis of 4-(1-Ferrocenylalkyl)pyrazoles. Organic Letters, 2017, 19, 5852-5855.	4.6	13
24	Highly Regioselective Carbamoylation of Electron-Deficient Nitrogen Heteroarenes with Hydrazinecarboxamides. Organic Letters, 2017, 19, 4850-4853.	4.6	28
25	Quasi-Dual-Packed-Kernelled Au ₄₉ (2,4-DMBT) ₂₇ Nanoclusters and the Influence of Kernel Packing on the Electrochemical Gap. Angewandte Chemie - International Edition, 2017, 56, 12644-12648.	13.8	66
26	Kinetic Resolution of Racemic Allylic Alcohols by Catalytic Asymmetric Substitution of the OH Group with Monosubstituted Hydrazines. Chemistry - A European Journal, 2016, 22, 13041-13045.	3.3	22
27	Palladium-Catalyzed Stereospecific Allylation of Nitroacetates with Enantioenriched Primary Allylic Amines. Advanced Synthesis and Catalysis, 2016, 358, 1854-1858.	4.3	13
28	By-Product-Catalyzed Redox-Neutral Sulfenylation/Deiodination/Aromatization of Cyclic Alkenyl Iodides with Sulfonyl Hydrazides. Advanced Synthesis and Catalysis, 2016, 358, 3368-3372.	4.3	50
29	Aryne-Mediated [2,3]-Sigmatropic Rearrangement of Tertiary Allylic Amines. Organic Letters, 2016, 18, 4872-4875.	4.6	49
30	TfNHNBoc as a Trifluoromethylating Agent for Vicinal Difunctionalization of Terminal Alkenes. Organic Letters, 2016, 18, 3850-3853.	4.6	65
31	Peeling the Core-Shell Au ₂₅ Nanocluster by Reverse Ligand-Exchange. Chemistry of Materials, 2016, 28, 1022-1025.	6.7	60
32	Copper-Catalyzed Sulfenylation of Boronic Acids with Sulfonyl Hydrazides. Advanced Synthesis and Catalysis, 2015, 357, 928-932.	4.3	74
33	Kinetic resolution of primary allylic amines via palladium-catalyzed asymmetric allylic alkylation of malononitriles. Organic and Biomolecular Chemistry, 2015, 13, 5367-5371.	2.8	28
34	Cyclization of N-Arylacrylamides via Radical Arylsulfenylation of Carbon-Carbon Double Bonds with Sulfonyl Hydrazides. Journal of Organic Chemistry, 2015, 80, 12697-12703.	3.2	54
35	Enantiospecific Allylic Alkylation of Substituted Hydrazines with Allylic Alcohols. Chinese Journal of Organic Chemistry, 2015, 35, 618.	1.3	9
36	Catalytic Allylation of Hypophosphorous Acid and <i>i</i> H-Phosphinic Acids with Primary Allylic Amines. Asian Journal of Organic Chemistry, 2014, 3, 711-714.	2.7	21

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37	Highly Enantioselective Kinetic Resolution of Axially Chiral BINAM Derivatives Catalyzed by a Brønsted Acid. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3684-3687.	13.8	114
38	Palladium/Copper-Catalyzed Oxidative Arylation of Terminal Alkenes with Aryl Hydrazides. <i>Chemistry - A European Journal</i> , 2014, 20, 2765-2769.	3.3	27
39	Direct enantiospecific substitution of primary β -aminoalkylferrocenes via Lewis acid-catalyzed C–N bond cleavage. <i>Chemical Communications</i> , 2014, 50, 14531-14534.	4.1	20
40	Palladium-catalyzed aerobic oxidative coupling of enantioenriched primary allylic amines with sulfonyl hydrazides leading to optically active allylic sulfones. <i>Chemical Communications</i> , 2014, 50, 3802.	4.1	99
41	Palladium-catalyzed stereospecific cross-coupling of enantioenriched allylic alcohols with boronic acids. <i>Chemical Communications</i> , 2014, 50, 219-221.	4.1	51
42	Catalytic stereospecific allylation of protected hydrazines with enantioenriched primary allylic amines. <i>Organic Chemistry Frontiers</i> , 2014, 1, 812.	4.5	26
43	Catalytic Stereospecific Substitution of Enantioenriched Allylic Alcohols with Sodium Sulfinates. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2984-2988.	4.3	44
44	Deammoniative Condensation of Primary Allylic Amines with Nonallylic Amines. <i>Chinese Journal of Chemistry</i> , 2014, 32, 741-751.	4.9	18
45	Iodine-catalyzed three-component oxysulfenylation of alkenes with sulfonyl hydrazides and alcohols. <i>Chemical Communications</i> , 2014, 50, 2111.	4.1	129
46	Catalytic stereospecific alkylation of malononitriles with enantioenriched primary allylic amines. <i>Chemical Communications</i> , 2013, 49, 8190.	4.1	33
47	Oxidative alkoxyacylation of terminal alkenes with carbazates. <i>Chemical Communications</i> , 2013, 49, 6528.	4.1	48
48	Chiral boron Lewis acid-catalyzed asymmetric synthesis of 4,5-dihydropyrrolo[1,2-a]quinoxalines. <i>RSC Advances</i> , 2013, 3, 18275.	3.6	20
49	Catalytic Allylation of Stabilized Phosphonium Ylides with Primary Allylic Amines. <i>Journal of Organic Chemistry</i> , 2013, 78, 11071-11075.	3.2	59
50	A Highly Enantioselective Catalytic Mannich Reaction of Indolenines with Ketones. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1715-1718.	4.3	24
51	Decarboxylative Alkylation of β -Keto Acids with Isochromans under Oxidative Conditions. <i>Chinese Journal of Chemistry</i> , 2013, 31, 37-39.	4.9	14
52	Iodine-Catalyzed Regioselective Sulfenylation of Indoles with Sulfonyl Hydrazides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4929-4932.	13.8	374
53	Oxidative Olefination of Secondary Amines with Carbon Nucleophiles. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3648-3652.	2.4	38
54	Brønsted Acid-Catalyzed Regio- and Stereoselective Alkenylation and [3+2] Annulation of β -Benzylic Sulfonamides with Alkenes. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 290-293.	2.7	13

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55	Palladium-Catalyzed Regioselective Halogenation of Aromatic Azo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 337-340.	4.3	41
56	N-Alkylsulfonamides as Useful Carbon Electrophiles. <i>Synlett</i> , 2013, 24, 1170-1185.	1.8	14
57	Expedient Synthesis of Functionalized Triarylmethanols through Tandem Formation of Geminal C-C and C-O Bonds. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3475-3479.	4.3	10
58	A Highly Diastereoselective Decarboxylative Mannich Reaction of β -Keto Acids with Optically Active α -Sulfinyl β -Imino Esters. <i>Organic Letters</i> , 2012, 14, 3092-3095.	4.6	67
59	A highly enantioselective catalytic Strecker reaction of cyclic (Z)-aldimines. <i>Chemical Communications</i> , 2012, 48, 4899.	4.1	44
60	Catalytic asymmetric cleavage of sp ³ -C-N bonds for access to highly enantioenriched N-benzylic sulfonamides. <i>Chemical Communications</i> , 2012, 48, 898-900.	4.1	34
61	Direct Substitution of Primary Allylic Amines with Sulfinate Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 14694-14697.	13.7	170
62	Ferric chloride-catalyzed C-N bond cleavage for the cyclization of arylallenes leading to polysubstituted indenenes. <i>Chemical Communications</i> , 2012, 48, 10913.	4.1	43
63	Olefinations of Phosphorus-Stabilized Carbon Nucleophiles. <i>Topics in Current Chemistry</i> , 2012, 327, 197-238.	4.0	44
64	Cross-Coupling of α -Allylic Sulfonimides with Organozinc Reagents at Room Temperature. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4107-4109.	2.4	12
65	Catalytic Asymmetric Synthesis of Dihydroquinazolinones from Imines and α -Aminobenzamides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 995-999.	4.3	48
66	Regioselective and Stereospecific Cross-Coupling of Primary Allylic Amines with Boronic Acids and Boronates through Palladium-Catalyzed C-N Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2968-2971.	13.8	141
67	Oxidative Mizoroki-Heck-Type Reaction of Arylsulfonyl Hydrazides for a Highly Regio- and Stereoselective Synthesis of Polysubstituted Alkenes. <i>Chemistry - A European Journal</i> , 2012, 18, 1582-1585.	3.3	122
68	Stereoselective Olefination and Regiospecific Vicinal Difunctionalization of Imines with α -(Benzo[thiazol-2-yl)sulfonyl) Carbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1590-1596.	2.4	17
69	Tunable stereoselective alkene synthesis by treatment of activated imines with nonstabilized phosphonium ylides. <i>Chemical Communications</i> , 2011, 47, 2158.	4.1	53
70	Catalytic decarboxylative alkylation of β -keto acids with sulfonamides via the cleavage of carbon-nitrogen and carbon-carbon bonds. <i>Chemical Communications</i> , 2011, 47, 8343.	4.1	69
71	Catalytic Asymmetric α -Alkylation of Ketones and Aldehydes with N-Benzylic Sulfonamides through Carbon-Nitrogen Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2011, 76, 8095-8099.	3.2	47
72	Catalytic Asymmetric Pictet-Spengler-Type Reaction for the Synthesis of Optically Active Indolo[3,4-c]benzazepines. <i>Organic Letters</i> , 2011, 13, 5636-5639.	4.6	77

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73	Four-Component Reaction of N-Sulfonylimines, (Cyanomethylene)triphenylphosphorane, Nitromethane, and Formaldehyde for the Synthesis of 3-Substituted 2-Methylene-4-nitrobutanenitriles. <i>Journal of Organic Chemistry</i> , 2011, 76, 4163-4167.	3.2	18
74	Cross-Coupling of Grignard Reagents with Sulfonyl-Activated sp^3 Carbon-Nitrogen Bonds. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1980-1984.	4.3	47
75	Stereoselective Olefination of N-Sulfonyl Imines with Stabilized Phosphonium Ylides for the Synthesis of Electron-Deficient Alkenes. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1084-1091.	2.4	62
76	Byproduct-Catalyzed Four-Component Reactions of Aldehydes with Hexamethyldisilazane, Chloroformates, and Nucleophiles in Acetonitrile Leading to Protected Primary Amines, β -Amino Esters, and β -Amino Ketones. <i>Chemistry - A European Journal</i> , 2010, 16, 718-723.	3.3	43
77	Catalytic Regioselective Synthesis of Structurally Diverse Indene Derivatives from N-Benzylic Sulfonamides and Disubstituted Alkynes. <i>Organic Letters</i> , 2010, 12, 3832-3835.	4.6	137
78	A Highly Tunable Stereoselective Olefination of Semistabilized Triphenylphosphonium Ylides with N-Sulfonyl Imines. <i>Journal of the American Chemical Society</i> , 2010, 132, 5018-5020.	13.7	161
79	Catalytic coupling of N-benzylic sulfonamides with silylated nucleophiles at room temperature. <i>Chemical Communications</i> , 2010, 46, 6180.	4.1	42
80	Selective Benzylic and Allylic Alkylation of Protic Nucleophiles with Sulfonamides through Double Lewis Acid Catalyzed Cleavage of sp^3 Carbon-Nitrogen Bonds. <i>Chemistry - A European Journal</i> , 2009, 15, 793-797.	3.3	93
81	Stereoselective Synthesis of Polysubstituted Alkenes through a Phosphine-Mediated Three-Component System of Aldehydes, α -Halo Carbonyl Compounds, and Terminal Alkenes. <i>Chemistry - A European Journal</i> , 2009, 15, 4538-4542.	3.3	40
82	An Expedient Entry to Benzylic and Allylic Sulfones through Byproduct-Catalyzed Reaction of Alcohols with Sulfinyl Chlorides. <i>Journal of Organic Chemistry</i> , 2009, 74, 9501-9504.	3.2	73
83	Catalyst-Free Alkylation of Sulfinic Acids with Sulfonamides via sp^3 C-N Bond Cleavage at Room Temperature. <i>Organic Letters</i> , 2009, 11, 2543-2545.	4.6	102
84	Controllable stereoselective synthesis of trisubstituted alkenes by a catalytic three-component reaction of terminal alkynes, benzylic alcohols, and simple arenes. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3219.	2.8	46
85	Dual-reagent organocatalysis with a phosphine and electron-deficient alkene: application to the Henry reaction. <i>Tetrahedron Letters</i> , 2008, 49, 6442-6444.	1.4	31
86	Three-Component Synthesis of Amine Derivatives Using Benzylic and Allylic Alcohols as N-Alkylating Agents in the Absence of External Catalysts and Additives. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3623-3626.	2.4	20
87	Catalytic selective bis-arylation of imines with anisole, phenol, thioanisole and analogues. <i>Chemical Communications</i> , 2008, , 1249.	4.1	74
88	$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ -Catalyzed Four-Component Synthesis of Protected Homoallylic Amines. <i>Journal of Organic Chemistry</i> , 2007, 72, 5407-5410.	3.2	44
89	Iron-Catalyzed Four-Component Reaction for the Synthesis of Protected Primary Amines. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4646-4650.	2.4	30
90	Catalytic cyanosilylation of ketones with simple phosphonium salt. <i>Tetrahedron Letters</i> , 2007, 48, 6010-6013.	1.4	52

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91	Enantioselective cyanocarboxylation of ketones with chiral base. <i>Tetrahedron</i> , 2006, 62, 11320-11330.	1.9	46
92	Asymmetric Organic Catalysis with Modified Cinchona Alkaloids. <i>Accounts of Chemical Research</i> , 2004, 37, 621-631.	15.6	582
93	Catalytic Asymmetric Cyanosilylation of Ketones with Chiral Lewis Base. <i>Journal of the American Chemical Society</i> , 2003, 125, 9900-9901.	13.7	209
94	A Highly Enantioselective Chiral Lewis Base-Catalyzed Asymmetric Cyanation of Ketones. <i>Journal of the American Chemical Society</i> , 2001, 123, 6195-6196.	13.7	250
95	Asymmetric Synthesis of $\hat{\pm}$ -Amino Acids via Cinchona Alkaloid-Catalyzed Kinetic Resolution of Urethane-Protected $\hat{\pm}$ -Amino Acid N-Carboxyanhydrides. <i>Journal of the American Chemical Society</i> , 2001, 123, 12696-12697.	13.7	72
96	A Facile Route to Bulladecin-Type Acetogenins - Total Synthesis of Asimilobin and Correction of the Configuration of Its Tetrahydrofuran Segment. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 349-356.	2.4	29
97	Total synthesis of gigantetrocin A. <i>Chirality</i> , 2000, 12, 581-589.	2.6	14
98	A Highly Enantioselective Catalytic Desymmetrization of Cyclic Anhydrides with Modified Cinchona Alkaloids. <i>Journal of the American Chemical Society</i> , 2000, 122, 9542-9543.	13.7	177