Shi-Kai Tian

List of Publications by Year
in descending order

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		57758	74163
98	6,023	44	75
papers	citations	h-index	g-index

126	126	126	4240
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric Organic Catalysis with Modified Cinchona Alkaloids. Accounts of Chemical Research, 2004, 37, 621-631.	15.6	582
2	Iodineâ€Catalyzed Regioselective Sulfenylation of Indoles with Sulfonyl Hydrazides. Angewandte Chemie - International Edition, 2013, 52, 4929-4932.	13.8	374
3	A Highly Enantioselective Chiral Lewis Base-Catalyzed Asymmetric Cyanation of Ketones. Journal of the American Chemical Society, 2001, 123, 6195-6196.	13.7	250
4	Catalytic Asymmetric Cyanosilylation of Ketones with Chiral Lewis Base. Journal of the American Chemical Society, 2003, 125, 9900-9901.	13.7	209
5	A Highly Enantioselective Catalytic Desymmetrization of Cyclic Anhydrides with Modified Cinchona Alkaloids. Journal of the American Chemical Society, 2000, 122, 9542-9543.	13.7	177
6	Direct Substitution of Primary Allylic Amines with Sulfinate Salts. Journal of the American Chemical Society, 2012, 134, 14694-14697.	13.7	170
7	A Highly Tunable Stereoselective Olefination of Semistabilized Triphenylphosphonium Ylides withN-Sulfonyl Imines. Journal of the American Chemical Society, 2010, 132, 5018-5020.	13.7	161
8	Regioselective and Stereospecific Crossâ€Coupling of Primary Allylic Amines with Boronic Acids and Boronates through Palladiumâ€Catalyzed Cï£¿N Bond Cleavage. Angewandte Chemie - International Edition, 2012, 51, 2968-2971.	13.8	141
9	Catalytic Regioselective Synthesis of Structurally Diverse Indene Derivatives from N-Benzylic Sulfonamides and Disubstituted Alkynes. Organic Letters, 2010, 12, 3832-3835.	4.6	137
10	Iodine-catalyzed three-component oxysulfenylation of alkenes with sulfonyl hydrazides and alcohols. Chemical Communications, 2014, 50, 2111.	4.1	129
11	Oxidative Mizorokiâ€“Heckâ€Type Reaction of Arylsulfonyl Hydrazides for a Highly Regioâ€•and Stereoselective Synthesis of Polysubstituted Alkenes. Chemistry - A European Journal, 2012, 18, 1582-1585.	3.3	122
12	Highly Enantioselective Kinetic Resolution of Axially Chiral BINAM Derivatives Catalyzed by a BrÃ¸nsted Acid. Angewandte Chemie - International Edition, 2014, 53, 3684-3687.	13.8	114
13	Sulfonyl hydrazides as sulfonyl sources in organic synthesis. Tetrahedron Letters, 2017, 58, 487-504.	1.4	104
14	Catalyst-Free Alkylation of Sulfinic Acids with Sulfonamides via sp³ Câ^'N Bond Cleavage at Room Temperature. Organic Letters, 2009, 11, 2543-2545.	4.6	102
15	Palladium-catalyzed aerobic oxidative coupling of enantioenriched primary allylic amines with sulfonyl hydrazides leading to optically active allylic sulfones. Chemical Communications, 2014, 50, 3802.	4.1	99
16	Selective Benzylic and Allylic Alkylation of Protic Nucleophiles with Sulfonamides through Double Lewis Acid Catalyzed Cleavage of sp³ Carbonâ€“Nitrogen Bonds. Chemistry - A European Journal, 2009, 15, 793-797.	3.3	93
17	Catalytic Asymmetric Pictetâ€“Spengler-Type Reaction for the Synthesis of Optically Active Indolo[3,4-cd][1]benzazepines. Organic Letters, 2011, 13, 5636-5639.	4.6	77
18	Catalytic selective bis-arylation of imines with anisole, phenol, thioanisole and analogues. Chemical Communications, 2008, , 1249.	4.1	74

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19	Copperâ€Catalyzed Sulfenylation of Boronic Acids with Sulfonyl Hydrazides. Advanced Synthesis and Catalysis, 2015, 357, 928-932.	4.3	74
20	An Expeditious Entry to Benzylic and Allylic Sulfones through Byproduct-Catalyzed Reaction of Alcohols with Sulfinyl Chlorides. Journal of Organic Chemistry, 2009, 74, 9501-9504.	3.2	73
21	Asymmetric Synthesis of Î±-Amino Acids via Cinchona Alkaloid-Catalyzed Kinetic Resolution of Urethane-Protected Î±-Amino Acid N-Carboxyanhydrides. Journal of the American Chemical Society, 2001, 123, 12696-12697.	13.7	72
22	Catalytic decarboxylative alkylation of Î²-keto acids with sulfonamides via the cleavage of carbonâ€“nitrogen and carbonâ€“carbon bonds. Chemical Communications, 2011, 47, 8343.	4.1	69
23	A Highly Diastereoselective Decarboxylative Mannich Reaction of Î²-Keto Acids with Optically Active N-Sulfinyl Î±-Imino Esters. Organic Letters, 2012, 14, 3092-3095.	4.6	67
24	Quasiâ€Dualâ€Packedâ€Kerneled Au₄₉(2,4â€DMBT)₂₇ Nanoclusters and the Influence of Kernel Packing on the Electrochemical Gap. Angewandte Chemie - International Edition, 2017, 56, 12644-12648.	13.8	66
25	TfNHNHBoc as a Trifluoromethylating Agent for Vicinal Difunctionalization of Terminal Alkenes. Organic Letters, 2016, 18, 3850-3853.	4.6	65
26	Stereoselective Olefination of Nâ€Sulfonyl Imines with Stabilized Phosphonium Ylides for the Synthesis of Electronâ€Deficient Alkenes. European Journal of Organic Chemistry, 2011, 2011, 1084-1091.	2.4	62
27	Peeling the Coreâ€“Shell Au₂₅ Nanocluster by Reverse Ligand-Exchange. Chemistry of Materials, 2016, 28, 1022-1025.	6.7	60
28	Catalytic Allylation of Stabilized Phosphonium Ylides with Primary Allylic Amines. Journal of Organic Chemistry, 2013, 78, 11071-11075.	3.2	59
29	Improving the Catalytic Activity of Au₂₅ Nanocluster by Peeling and Doping. Chinese Journal of Chemistry, 2017, 35, 567-571.	4.9	57
30	Cyclization of N-Arylacrylamides via Radical Arylsulfenylation of Carbonâ€“Carbon Double Bonds with Sulfonyl Hydrazides. Journal of Organic Chemistry, 2015, 80, 12697-12703.	3.2	54
31	Tunable stereoselective alkene synthesis by treatment of activated imines with nonstabilized phosphonium ylides. Chemical Communications, 2011, 47, 2158.	4.1	53
32	Catalytic cyanosilylation of ketones with simple phosphonium salt. Tetrahedron Letters, 2007, 48, 6010-6013.	1.4	52
33	Palladium-catalyzed stereospecific cross-coupling of enantioenriched allylic alcohols with boronic acids. Chemical Communications, 2014, 50, 219-221.	4.1	51
34	Byâ€Productâ€Catalyzed Redoxâ€Neutral Sulfenylation/Deiodination/Aromatization of Cyclic Alkenyl Iodides with Sulfonyl Hydrazides. Advanced Synthesis and Catalysis, 2016, 358, 3368-3372.	4.3	50
35	Stereospecific Nucleophilic Substitution of Enantioenriched Tertiary Benzylic Amines via in Situ Activation with Benzyne. Organic Letters, 2017, 19, 1554-1557.	4.6	50
36	Aryne-Mediated [2,3]-Sigmatropic Rearrangement of Tertiary Allylic Amines. Organic Letters, 2016, 18, 4872-4875.	4.6	49

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37	Catalytic Asymmetric Synthesis of Dihydroquinazolinones from Imines and 2â€Aminobenzamides. Advanced Synthesis and Catalysis, 2012, 354, 995-999.	4.3	48
38	Oxidative alkoxycarbonylation of terminal alkenes with carbazates. Chemical Communications, 2013, 49, 6528.	4.1	48
39	Catalytic Asymmetric Î±-Alkylation of Ketones and Aldehydes withN-Benzylic Sulfonamides through Carbonâ€“Nitrogen Bond Cleavage. Journal of Organic Chemistry, 2011, 76, 8095-8099.	3.2	47
40	Crossâ€Coupling of Grignard Reagents with Sulfonylâ€Activated sp³ Carbonâ€Nitrogen Bonds. Advanced Synthesis and Catalysis, 2011, 353, 1980-1984.	4.3	47
41	Enantioselective cyanocarbonation of ketones with chiral base. Tetrahedron, 2006, 62, 11320-11330.	1.9	46
42	Controllable stereoselective synthesis of trisubstituted alkenes by a catalytic three-component reaction of terminal alkynes, benzylic alcohols, and simple arenes. Organic and Biomolecular Chemistry, 2009, 7, 3219.	2.8	46
43	FeSO4Â·7H2O-Catalyzed Four-Component Synthesis of Protected Homoallylic Amines. Journal of Organic Chemistry, 2007, 72, 5407-5410.	3.2	44
44	A highly enantioselective catalytic Strecker reaction of cyclic (Z)-aldimines. Chemical Communications, 2012, 48, 4899.	4.1	44
45	Olefination Reactions of Phosphorus-Stabilized Carbon Nucleophiles. Topics in Current Chemistry, 2012, 327, 197-238.	4.0	44
46	Catalytic Stereospecific Substitution of Enantioenriched Allylic Alcohols with Sodium Sulfinates. Advanced Synthesis and Catalysis, 2014, 356, 2984-2988.	4.3	44
47	Byproductâ€Catalyzed Fourâ€Component Reactions of Aldehydes with Hexamethyldisilazane, Chloroformates, and Nucleophiles in Acetonitrile Leading to Protected Primary Amines, Î²â€Amino Esters, and Î²â€Amino Ketones. Chemistry - A European Journal, 2010, 16, 718-723.	3.3	43
48	Ferric chloride-catalyzed Câ€“N bond cleavage for the cyclization of arylallenes leading to polysubstituted indenes. Chemical Communications, 2012, 48, 10913.	4.1	43
49	Catalytic coupling of N-benzylic sulfonamides with silylated nucleophiles at room temperature. Chemical Communications, 2010, 46, 6180.	4.1	42
50	Palladiumâ€Catalyzed Regioselective Halogenation of Aromatic Azo Compounds. Advanced Synthesis and Catalysis, 2013, 355, 337-340.	4.3	41
51	Stereoselective Synthesis of Polysubstituted Alkenes through a Phosphineâ€Mediated Threeâ€Component System of Aldehydes, Î±â€Halo Carbonyl Compounds, and Terminal Alkenes. Chemistry - A European Journal, 2009, 15, 4538-4542.	3.3	40
52	Oxidative Olefination of Secondary AminesÂ-with Carbon Nucleophiles. European Journal of Organic Chemistry, 2013, 2013, 3648-3652.	2.4	38
53	Catalytic asymmetric cleavage of sp³Câ€“N bonds for access to highly enantioenriched N-benzylic sulfonamides. Chemical Communications, 2012, 48, 898-900.	4.1	34
54	Catalytic stereospecific alkylation of malononitriles with enantioenriched primary allylic amines. Chemical Communications, 2013, 49, 8190.	4.1	33

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55	Copperâ€Catalyzed Oxidative Carbamoylation of Nâ€Arylacrylamides with Hydrazinecarboxamides Leading to 2â€(Oxindolâ€3â€yl)acetamides. Advanced Synthesis and Catalysis, 2018, 360, 1544-1548.	4.3	33
56	Formal Insertion of Imines (or Nitrogen Heteroarenes) and Arynes into the Câ€“Cl Bond of Carbon Tetrachloride. Organic Letters, 2018, 20, 4545-4548.	4.6	33
57	Three-component carboarylation of unactivated imines with arynes and carbon nucleophiles. Chemical Communications, 2017, 53, 1708-1711.	4.1	32
58	N-Hydroxy sulfonamides as new sulfenylating agents for the functionalization of aromatic compounds. Organic and Biomolecular Chemistry, 2017, 15, 5284-5288.	2.8	32
59	Dual-reagent organocatalysis with a phosphine and electron-deficient alkene: application to the Henry reaction. Tetrahedron Letters, 2008, 49, 6442-6444.	1.4	31
60	Ironâ€Catalyzed Fourâ€Component Reaction for the Synthesis of Protected Primary Amines. European Journal of Organic Chemistry, 2007, 2007, 4646-4650.	2.4	30
61	A Facile Route to Bulladecin-Type Acetogenins - Total Synthesis of Asimilobinand Correction of the Configuration of Its Tetrahydrofuran Segment. European Journal of Organic Chemistry, 2000, 2000, 349-356.	2.4	29
62	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
63	Highly Regioselective Carbamoylation of Electron-Deficient Nitrogen Heteroarenes with Hydrazinecarboxamides. Organic Letters, 2017, 19, 4850-4853.	4.6	28
64	Palladium/Copperâ€Catalyzed Oxidative Arylation of Terminal Alkenes with Aroyl Hydrazides. Chemistry - A European Journal, 2014, 20, 2765-2769.	3.3	27
65	Catalytic stereospecific allylation of protected hydrazines with enantioenriched primary allylic amines. Organic Chemistry Frontiers, 2014, 1, 812.	4.5	26
66	Nucleophilic addition of tertiary propargylic amines to arynes followed by a [2,3]-sigmatropic rearrangement. Chemical Communications, 2018, 54, 6036-6039.	4.1	26
67	A Highly Enantioselective Catalytic Mannich Reaction of Indolenines with Ketones. Advanced Synthesis and Catalysis, 2013, 355, 1715-1718.	4.3	24
68	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
69	Catalytic Allylation of Hypophosphorous Acid and Hâ€Phosphinic Acids with Primary Allylic Amines. Asian Journal of Organic Chemistry, 2014, 3, 711-714.	2.7	21
70	Threeâ€Component Synthesis of Amine Derivatives Using Benzylic and Allylic Alcohols as Nâ€Alkylating Agents in the Absence of External Catalysts and Additives. European Journal of Organic Chemistry, 2008, 2008, 3623-3626.	2.4	20
71	Chiral boron Lewis acid-catalyzed asymmetric synthesis of 4,5-dihydropyrrolo[1,2-a]quinoxalines. RSC Advances, 2013, 3, 18275.	3.6	20
72	Direct enantiospecific substitution of primary Î±-aminoalkylferrocenes via Lewis acid-catalyzed Câ€“N bond cleavage. Chemical Communications, 2014, 50, 14531-14534.	4.1	20

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73	TfNHNHBoc as a SCF₃ source for the sulfenylation of indoles. Chemical Communications, 2018, 54, 8980-8982.	4.1	20
74	Palladium-Catalyzed Highly Regioselective Aromatic Substitution of Benzylic Ammonium Salts with Amines. Organic Letters, 2019, 21, 7169-7173.	4.6	19
75	Four-Component Reaction ofN-Sulfonylimines, (Cyanomethylene)triphenylphosphorane, Nitromethane, and Formaldehyde for the Synthesis of 3-Substituted 2-Methylene-4-nitrobutanenitriles. Journal of Organic Chemistry, 2011, 76, 4163-4167.	3.2	18
76	Deammoniative Condensation of Primary Allylic Amines with Nonallylic Amines. Chinese Journal of Chemistry, 2014, 32, 741-751.	4.9	18
77	1,2-Aminohalogenation of arynes with amines and organohalides. Chemical Communications, 2019, 55, 11255-11258.	4.1	18
78	Stereoselective Olefination and Regiospecific Vicinal Difunctionalization of Imines with Î±â€(Benzothiazolâ€2â€ylsulfonyl) Carbonyl Compounds. European Journal of Organic Chemistry, 2012, 2012, 1590-1596.	2.4	17
79	Chiral Î±-Amino Acid/Palladium-Catalyzed Asymmetric Allylation of Î±-Branched Î²-Ketoesters with Allylic Amines: Highly Enantioselective Construction of All-Carbon Quaternary Stereocenters. Journal of Organic Chemistry, 2019, 84, 14936-14942.	3.2	16
80	Total synthesis of gigantetrocin A. Chirality, 2000, 12, 581-589.	2.6	14
81	Decarboxylative Alkylation of Î²â€Keto Acids with Isochromans under Oxidative Conditions. Chinese Journal of Chemistry, 2013, 31, 37-39.	4.9	14
82	N-Alkylsulfonamides as Useful Carbon Electrophiles. Synlett, 2013, 24, 1170-1185.	1.8	14
83	BrÃ¸nstedâ€Acidâ€Catalyzed Regioâ€•and Stereoselective Alkenylation and [3+2] Annulation of Nâ€Benzylic Sulfonamides with Alkenes. Asian Journal of Organic Chemistry, 2013, 2, 290-293.	2.7	13
84	Palladiumâ€Catalyzed Stereospecific Allylation of Nitroacetates with Enantioenriched Primary Allylic Amines. Advanced Synthesis and Catalysis, 2016, 358, 1854-1858.	4.3	13
85	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
86	Crossâ€Coupling of Nâ€Allylic Sulfonimides with Organozinc Reagents at Room Temperature. European Journal of Organic Chemistry, 2012, 2012, 4107-4109.	2.4	12
87	Aromatic Azaâ€Claisen Rearrangement of Arylpropargylammonium Salts Generated in situ from Arynes and Tertiary Propargylamines. Chemistry - A European Journal, 2021, 27, 3091-3097.	3.3	12
88	Expedient Synthesis of Functionalized Triarylmethanols through Tandem Formation of Geminal Cï£¿C and Cï£¿O Bonds. Advanced Synthesis and Catalysis, 2012, 354, 3475-3479.	4.3	10
89	Benzyneâ€Promoted Curtiusâ€Type Rearrangement of Acyl Hydrazides in the Presence of Nucleophiles. Asian Journal of Organic Chemistry, 2018, 7, 119-122.	2.7	9
90	Enantiospecific Allylic Alkylation of Substituted Hydrazines with Allylic Alcohols. Chinese Journal of Organic Chemistry, 2015, 35, 618.	1.3	9

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91	Carbon Tetrachloride-Mediated Cyclization of (2-Alkynyl)arylaldimines for the Synthesis of Polychlorinated Nitrogen Heterocycles. Organic Letters, 2019, 21, 5675-5678.	4.6	8
92	Epoxideâ€Mediated Stevens Rearrangements of Î±â€Aminoâ€Acidâ€Derived Tertiary Allylic, Propargylic, and Benzylic Amines: Convenient Access to Polysubstituted Morpholinâ€2â€ones. Chemistry - A European Journal, 2019, 25, 5169-5172.	3.3	8
93	Facile construction of three-membered rings via benzyne-promoted Darzens-type reaction of tertiary amines. Tetrahedron, 2019, 75, 1632-1638.	1.9	8
94	Asymmetric Aza-Claisen Rearrangement between Enantioenriched Î±-Chiral Allylamines and Allenones. Journal of Organic Chemistry, 2021, 86, 3065-3073.	3.2	7
95	Highly Regioselective Aromatic Câ€“H Allylation of N-(Arylmethyl)sulfonimides with Allyl Grignard Reagents Involving Benzylic Câ€“N Cleavage. Organic Letters, 2021, 23, 6877-6881.	4.6	5
96	Strain-release Câ€“C bond cleavage enables the [2,3]-sigmatropic rearrangement of tertiary allylamines. Chemical Communications, 2021, 57, 8449-8451.	4.1	3
97	Copper-catalyzed C-3 benzylation of quinoxalin-2(1H)-ones with benzylsulfonyl hydrazides. Organic and Biomolecular Chemistry, 2022, 20, 4518-4521.	2.8	3
98	Aryne-mediated [2,3]-sigmatropic rearrangement of tertiary 2,3-allenylamines bearing an electron-withdrawing group at the Î±-position. Organic and Biomolecular Chemistry, 2021, 19, 5353-5357.	2.8	2