

Tienan Jin

List of Publications by Year in descending order

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105
papers

5,087
citations

76326

40
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95266

68
g-index

154
all docs

154
docs citations

154
times ranked

5194
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkyne activation with Brønsted acids, iodine, or gold complexes, and its fate leading to synthetic application. <i>Chemical Communications</i> , 2009, , 5075.	4.1	290
2	Nanoporous Gold Catalyst for Highly Selective Semihydrogenation of Alkynes: Remarkable Effect of Amine Additives. <i>Journal of the American Chemical Society</i> , 2012, 134, 17536-17542.	13.7	201
3	Synthesis of Triazoles from Nonactivated Terminal Alkynes via the Three-Component Coupling Reaction Using a Pd(0)~Cu(I) Bimetallic Catalyst. <i>Journal of the American Chemical Society</i> , 2003, 125, 7786-7787.	13.7	185
4	Copper-catalyzed synthesis of 5-substituted 1H-tetrazoles via the [3+2] cycloaddition of nitriles and trimethylsilyl azide. <i>Tetrahedron Letters</i> , 2008, 49, 2824-2827.	1.4	179
5	Copper-Catalyzed Synthesis of N-Unsubstituted 1,2,3-Triazoles from Nonactivated Terminal Alkynes. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3789-3791.	2.4	162
6	An Efficient, Facile, and General Synthesis of 1H-Indazoles by 1,3-Dipolar Cycloaddition of Alkynes with Diazomethane Derivatives. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3323-3325.	13.8	152
7	Gold-Catalyzed Intramolecular Carbocyclization of Alkynyl Ketones Leading to Highly Substituted Cyclic Enones. <i>Organic Letters</i> , 2007, 9, 5259-5262.	4.6	144
8	Metal-Catalyzed Annulation Reactions for Conjugated Polycycles. <i>Chemistry - A European Journal</i> , 2014, 20, 3554-3576.	3.3	144
9	Gold-Catalyzed Synthesis of Polycyclic Enones from Carbon Tethered 1,3-Enynyl Carbonyls via Tandem Heteroenyne Metathesis and Nazarov Reaction. <i>Organic Letters</i> , 2008, 10, 3137-3139.	4.6	137
10	Synthesis of 1-substituted tetrazoles via the acid-catalyzed [3+2] cycloaddition between isocyanides and trimethylsilyl azide. <i>Tetrahedron Letters</i> , 2004, 45, 9435-9437.	1.4	115
11	Click Chemistry of Alkyne~Azide Cycloaddition using Nanostructured Copper Catalysts. <i>ChemCatChem</i> , 2012, 4, 1217-1229.	3.7	105
12	A One-Pot Procedure for the Regiocontrolled Synthesis of Allyltriazaoles via the Pd~Cu Bimetallic Catalyzed Three-Component Coupling Reaction of Nonactivated Terminal Alkynes, Allyl Carbonate, and Trimethylsilyl Azide. <i>Journal of Organic Chemistry</i> , 2004, 69, 2386-2393.	3.2	101
13	Remarkable Catalytic Property of Nanoporous Gold on Activation of Diborons for Direct Diboration of Alkynes. <i>Organic Letters</i> , 2013, 15, 5766-5769.	4.6	101
14	Unsupported Nanoporous Gold Catalyst for Highly Selective Hydrogenation of Quinolines. <i>Organic Letters</i> , 2013, 15, 1484-1487.	4.6	99
15	Carboxylic Acid-Catalyzed Highly Efficient and Selective Hydroboration of Alkynes with Pinacolborane. <i>Organic Letters</i> , 2014, 16, 4670-4673.	4.6	94
16	Cobalt-Catalyzed Hydroalkylation of [60]Fullerene with Active Alkyl Bromides: Selective Synthesis of Monoalkylated Fullerenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 12842-12848.	13.7	91
17	Pd-Catalyzed Cascade Crossover Annulation of <i>o</i> -Alkynylarylhalides and Diarylacetylenes Leading to Dibenzo[<i>a</i> , <i>e</i>]pentalenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 10222-10225.	13.7	91
18	Unsupported Nanoporous Gold Catalyst for Chemoselective Hydrogenation Reactions under Low Pressure: Effect of Residual Silver on the Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 10356-10364.	13.7	90

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19	Novel Synthetic Route to Allyl Cyanamides: Palladium-Catalyzed Coupling of Isocyanides, Allyl Carbonate, and Trimethylsilyl Azide. <i>Journal of the American Chemical Society</i> , 2001, 123, 9453-9454.	13.7	87
20	Highly Efficient Cu(OAc) ₂ -Catalyzed Dimerization of Monofunctionalized Hydrofullerenes Leading to Single-Bonded [60]Fullerene Dimers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 802-806.	13.8	86
21	Regiospecific synthesis of 2-allyl-1,2,3-triazoles by palladium-catalyzed 1,3-dipolar cycloaddition. <i>Tetrahedron Letters</i> , 2002, 43, 9707-9710.	1.4	79
22	TfOH-catalyzed intramolecular alkyne-ketone metathesis leading to highly substituted five-membered cyclic enones. <i>Chemical Communications</i> , 2009, , 3533.	4.1	79
23	Rh(III)-Catalyzed Regioselective Functionalization of C-H Bonds of Naphthylcarbamates for Oxidative Annulation with Alkynes. <i>Organic Letters</i> , 2014, 16, 4830-4833.	4.6	78
24	Single crystal biphenyl end-capped furan-incorporated oligomers: influence of unusual packing structure on carrier mobility and luminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4163.	5.5	73
25	Triflic Acid Catalyzed Synthesis of Spirocycles via Acetylene Cations. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5893-5896.	13.8	71
26	Brønsted Acid-Catalyzed Cascade Cycloisomerization of Enynes via Acetylene Cations and sp ³ -Hybridized C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2010, 132, 5590-5591.	13.7	70
27	Nanoporous Copper Metal Catalyst in Click Chemistry: Nanoporosity-Dependent Activity without Supports and Bases. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3095-3100.	4.3	70
28	Highly efficient heterogeneous aerobic cross-dehydrogenative coupling via C-H functionalization of tertiary amines using a nanoporous gold skeleton catalyst. <i>Chemical Communications</i> , 2015, 51, 12764-12767.	4.1	65
29	Pd-Catalyzed Synthesis of 9,9-Bifluorenylidene Derivatives via Dual C-H Activation of Bis-biaryl Alkynes. <i>Journal of the American Chemical Society</i> , 2014, 136, 9540-9543.	13.7	59
30	Four-component coupling reactions of silylacetylenes, allyl carbonates, and trimethylsilyl azide catalyzed by a Pd(0)-Cu(I) bimetallic catalyst. Fully substituted triazole synthesis from seemingly internal alkynes. <i>Tetrahedron Letters</i> , 2004, 45, 689-691.	1.4	58
31	Co-Catalyzed Radical Cycloaddition of [60]Fullerene with Active Dibromides: Selective Synthesis of Carbocycle-Fused Fullerene Monoadducts. <i>Organic Letters</i> , 2013, 15, 4030-4033.	4.6	58
32	Palladium-Catalyzed Selective Synthesis of 2-Allyltetrazoles. <i>Journal of Organic Chemistry</i> , 2002, 67, 7413-7417.	3.2	57
33	Synthesis of extended polycyclic aromatic hydrocarbons by oxidative tandem spirocyclization and 1,2-aryl migration. <i>Nature Communications</i> , 2017, 8, 15073.	12.8	57
34	N-Methyl Transfer Induced Copper-Mediated Oxidative Diamination of Alkynes. <i>Organic Letters</i> , 2016, 18, 2487-2490.	4.6	52
35	Hierarchical nanoporosity enhanced reversible capacity of bicontinuous nanoporous metal based Li-O ₂ battery. <i>Scientific Reports</i> , 2016, 6, 33466.	3.3	52
36	Cu-Catalyzed C-H Amination of Hydrofullerenes Leading to 1,4-Difunctionalized Fullerenes. <i>Organic Letters</i> , 2014, 16, 620-623.	4.6	51

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37	Synthesis of 5-Substituted 1 <i>H</i> -Tetrazoles by the Copper-Catalyzed [3+2] Cycloaddition of Nitriles and Trimethylsilyl Azide. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1575-1580.	3.3	48
38	Facile synthesis of 3,4-dihalofurans via electrophilic iodocyclization. <i>Chemical Communications</i> , 2011, 47, 4541.	4.1	46
39	Gold-catalyzed regiospecific intermolecular hydrothiolation of allenes. <i>Tetrahedron Letters</i> , 2010, 51, 4627-4629.	1.4	44
40	Exclusive Chemoselective Reduction of Imines in the Coexistence of Aldehydes Using AuNPore Catalyst. <i>Organic Letters</i> , 2014, 16, 2558-2561.	4.6	42
41	Ni-Catalyzed direct 1,4-difunctionalization of [60]fullerene with benzyl bromides. <i>Chemical Communications</i> , 2015, 51, 6392-6394.	4.1	42
42	Facile synthesis of dihaloheterocycles via electrophilic iodocyclization. <i>Tetrahedron</i> , 2011, 67, 10147-10155.	1.9	41
43	Chemoselective reduction of α,β -unsaturated aldehydes using an unsupported nanoporous gold catalyst. <i>Chemical Communications</i> , 2014, 50, 14401-14404.	4.1	41
44	2-Positional pyrene end-capped oligothiophenes for high performance organic field effect transistors. <i>Chemical Communications</i> , 2016, 52, 4800-4803.	4.1	41
45	Structure-property relationship of naphthalene based donor-acceptor organic dyes for dye-sensitized solar cells: remarkable improvement of open-circuit photovoltage. <i>Journal of Materials Chemistry</i> , 2012, 22, 22550.	6.7	39
46	Cyanamide Synthesis by the Palladium-Catalyzed Cleavage of a Si-N Bond. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1780-1782.	13.8	38
47	Cascade cyclization of aryldiynes using iodine: synthesis of iodo-substituted benzo[b]naphtho[2,1-d]thiophene derivatives for dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2012, 53, 1946-1950.	1.4	36
48	Facile synthesis of diiodinated dihydronaphthalenes and naphthalenes via iodine mediated electrophilic cyclization. <i>Chemical Communications</i> , 2011, 47, 4013.	4.1	34
49	NaOH-Catalyzed Dimerization of Monofunctionalized Hydrofullerenes: Transition-Metal-Free, General, and Efficient Synthesis of Single-Bonded [60]Fullerene Dimers. <i>Organic Letters</i> , 2012, 14, 3466-3469.	4.6	34
50	Suppression of β -Hydride Elimination in the Intramolecular Hydrocarboxylation of Alkynes leading to the Formation of Lactones. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 680-684.	4.3	33
51	Triflic acid-catalyzed cascade cyclization of arenyl enynes via acetylene-cation cyclization and Friedel-Crafts type reaction. <i>Tetrahedron Letters</i> , 2011, 52, 2069-2071.	1.4	33
52	Synthesis of new donor-acceptor donor materials via Au-catalyzed double cascade cyclization. <i>Tetrahedron Letters</i> , 2012, 53, 914-918.	1.4	33
53	1,3-Diynes synthesis by homo-coupling of terminal alkynes using a Pd(PPh ₃) ₄ /Ag ₂ O simple catalyst system. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1479-1482.	1.8	31
54	The synergistic effect of nanoporous AuPd alloy catalysts on highly chemoselective 1,4-hydrosilylation of conjugated cyclic enones. <i>Chemical Communications</i> , 2014, 50, 3344.	4.1	31

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55	Facile Deallylation Protocols for the Preparation of N-Unsubstituted Triazoles and Tetrazoles. <i>Journal of Organic Chemistry</i> , 2005, 70, 6389-6397.	3.2	30
56	Facile synthesis of 3,4-diiododihydrothiophenes via electrophilic iodocyclization. <i>Tetrahedron Letters</i> , 2011, 52, 936-938.	1.4	30
57	Theoretical Analysis on the Optoelectronic Properties of Single Crystals of Thiophene-furan-phenylene Co-Oligomers: Efficient Photoluminescence due to Molecular Bending. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8072-8078.	3.1	30
58	From molecular catalysts to nanostructured materials skeleton catalysts. <i>Pure and Applied Chemistry</i> , 2012, 84, 1771-1784.	1.9	28
59	Catalytic Performance of Nanoporous Metal Skeleton Catalysts for Molecular Transformations. <i>ChemSusChem</i> , 2019, 12, 2936-2954.	6.8	28
60	Structure-property relationship of different electron donors: novel organic sensitizers based on fused dithienothiophene π -conjugated linker for high efficiency dye-sensitized solar cells. <i>Tetrahedron</i> , 2013, 69, 3444-3450.	1.9	27
61	Triflic Acid Mediated Cascade Cyclization of Aryldiynes for the Synthesis of Indeno[1,2- <i>bc</i>]chromenes: Application to Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 4065-4070.	3.3	26
62	FeCl ₃ -Mediated Oxidative Spirocyclization of Difluorenylidene Diarylethanes Leading to Dispiro[fluorene-9,5-indeno[2,1- <i>ba</i>]indene-10,9-fluorene]s. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 259-263.	11.2	25
63	Synthesis of 2,3-dihydro-1H-inden-1-one derivatives via Ni-catalyzed intramolecular hydroacylation. <i>Tetrahedron</i> , 2012, 68, 5223-5228.	1.9	24
64	Highly chemoselective reduction of imines using a AuNPore/PhMe ₂ SiH/water system and its application to reductive amination. <i>Tetrahedron</i> , 2015, 71, 7154-7158.	1.9	22
65	Nanoporous Gold-Catalyzed Diboration of Methylene-cyclopropanes via a Distal Bond Cleavage. <i>ACS Catalysis</i> , 2018, 8, 5901-5906.	11.2	22
66	Tetrazole synthesis via the palladium-catalyzed three component coupling reaction. <i>Molecular Diversity</i> , 2000, 6, 181-192.	3.9	19
67	Thieno[2,3- <i>a</i>]carbazole-based donor-acceptor organic dyes for efficient dye-sensitized solar cells. <i>Tetrahedron</i> , 2014, 70, 6211-6216.	1.9	18
68	A highly emissive distyrylthieno[3,2- <i>b</i>]thiophene based red luminescent organic single crystal: Aggregation induced emission, optical waveguide edge emission, and balanced ambipolar carrier transport. <i>Organic Electronics</i> , 2016, 34, 23-27.	2.6	18
69	Tandem Oxidative Ring Expansion for Synthesis of Dibenzocyclooctaphenanthrenes. <i>Organic Letters</i> , 2020, 22, 5121-5125.	4.6	18
70	Biphenyl end-capped bithiazole co-oligomers for high performance organic thin film field effect transistors. <i>Chemical Communications</i> , 2016, 52, 4926-4929.	4.1	16
71	Pd-Catalyzed cascade cyclization of <i>o</i> -alkynylanilines via C-H/C-N bond cleavage leading to dibenzo[<i>a,c</i>]carbazoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5236-5240.	2.8	16
72	Unsupported Nanoporous Platinum-Iron Bimetallic Catalyst for the Chemoselective Hydrogenation of Halonitrobenzenes to Haloanilines. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23655-23661.	8.0	16

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73	Benzannulation from Alkyne without Metallic Catalysts at Room Temperature to 100 Å°C. <i>Organic Letters</i> , 2010, 12, 388-390.	4.6	15
74	Core-shell Pd@Pt nanoparticles as efficient catalysts for electrooxidation of formic acid. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 1109-1118.	2.9	15
75	NBS-promoted oxidation of fullerene monoradicals leading to regioselective 1,4-difunctional fullerenes. <i>Chemical Communications</i> , 2014, 50, 15730-15732.	4.1	14
76	Thieno[2,3,a]carbazole donor-based organic dyes for high efficiency dye-sensitized solar cells. <i>Organic Chemistry Frontiers</i> , 2015, 2, 253-258.	4.5	13
77	Deuterium Isotope Effect on Bulk Heterojunction Solar Cells. Enhancement of Organic Photovoltaic Performances Using Monobenzyl Substituted Deuteriofullerene Acceptors. <i>Organic Letters</i> , 2013, 15, 5674-5677.	4.6	12
78	Functional 2-benzyl-1,2-dihydro[60]fullerenes as acceptors for organic photovoltaics: facile synthesis and high photovoltaic performances. <i>Tetrahedron</i> , 2013, 69, 1302-1306.	1.9	12
79	Comparative Study of Single and Dual Gain-Narrowed Emission in Thiophene/Furan/Phenylene Co-Oligomer Single Crystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2364-2368.	3.1	12
80	Recent topics on synthesis of π -extended polycycles by cascade annulations. <i>Tetrahedron Letters</i> , 2020, 61, 151514.	1.4	12
81	Facile and efficient synthesis of indazole derivatives by 1,3-cycloaddition of arynes with diazo compounds and azomethine imides. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 957-972.	1.0	11
82	Heterogeneous Catalytic Reduction of Tertiary Amides with Hydrosilanes Using Unsupported Nanoporous Gold Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4817-4824.	4.3	11
83	Pd-Catalyzed Indolization/ π -C-H Annulation/ π -N-Dealkylation Cascade to Cyclopenta-Fused Acenaphtho[1,2- <i>b</i>]indole Scaffold. <i>Organic Letters</i> , 2021, 23, 9431-9435.	4.6	11
84	Synthesis and Properties of Dicyanomethylene-Endcapped Thienopyrrole-Based Quinoidal π -S/ π -N-Heteroacenes. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 789-797.	3.2	10
85	Intermolecular Oxidative Friedel-Crafts Reaction Triggered Ring Expansion Affording 9,10-Diarylphenanthrenes. <i>Organic Letters</i> , 2020, 22, 8920-8924.	4.6	10
86	Efficient thieno[3,2-a]carbazole-based organic dyes for dye-sensitized solar cells. <i>Tetrahedron</i> , 2015, 71, 6534-6540.	1.9	9
87	Charge transport in organic crystals: Critical role of correlated fluctuations unveiled by analysis of Feynman diagrams. <i>Journal of Chemical Physics</i> , 2015, 142, 144503.	3.0	8
88	Pd-Catalyzed Consecutive C-H Arylation-Triggered Cyclotrimerization: Synthesis of Star-Shaped Benzotriazolones and Benzotrisoxazolones. <i>Chemistry - A European Journal</i> , 2018, 24, 9041-9050.	3.3	8
89	Reduction of Carbonyl Function to a Methyl Group. <i>Synthesis</i> , 2004, 2004, 308-311.	2.3	7
90	Palladium-Catalyzed Three-Component [3 + 2] Cycloaddition of Propargyl Trifluoroacetates, Ethylidene Malononitriles, and Allyltributylstannane. <i>Organic Letters</i> , 2010, 12, 864-866.	4.6	7

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91	Palladium-catalyzed bisfunctionalization of active alkenes by β -acetonitrile- α -allyl addition: application to the synthesis of unsymmetric 1,4-di(organo)fullerene derivatives. <i>Tetrahedron Letters</i> , 2012, 53, 1210-1213.	1.4	7
92	Manganese powder promoted highly efficient and selective synthesis of fullerene mono- and biscycloadducts at room temperature. <i>Scientific Reports</i> , 2015, 5, 13920.	3.3	7
93	Unsupported Nanoporous Gold-Catalyzed Chemoselective Reduction of Quinolines Using Formic Acid as a Hydrogen Source. <i>ChemistrySelect</i> , 2019, 4, 6572-6577.	1.5	7
94	Amorphous/low-crystalline core/shell-type nanoparticles as highly efficient and self-stabilizing catalysts for alkaline hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 8984-8987.	4.1	4
95	Mixing Time of Molecules Inside of Nanoporous Gold. <i>SIAM Journal on Applied Mathematics</i> , 2014, 74, 1298-1314.	1.8	3
96	Pd-catalyzed cascade cyclization of <i>o</i> -alkynylaryl bromides with dialkylalkynes via consecutive carbopalladation. <i>Tetrahedron Letters</i> , 2015, 56, 3133-3136.	1.4	3
97	Regiospecific Synthesis of 2-Allyl-1,2,3-triazoles by Palladium-Catalyzed 1,3-Dipolar Cycloaddition.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
98	Palladium-Catalyzed Selective Synthesis of 2-Allyltetrazoles.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
99	Synthesis of Triazoles from Nonactivated Terminal Alkynes via the Three-Component Coupling Reaction Using a Pd(0)-Cu(I) Bimetallic Catalyst.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
100	Four-Component Coupling Reactions of Silylacetylenes, Allyl Carbonates, and Trimethylsilyl Azide Catalyzed by a Pd(0)-Cu(I) Bimetallic Catalyst. Fully Substituted Triazole Synthesis from Seemingly Internal Alkynes.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
101	Tetrazole Synthesis via the Palladium-Catalyzed Three Component Coupling Reaction.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
102	A One-Pot Procedure for the Regiocontrolled Synthesis of Allyl triazoles via the Pd-Cu Bimetallic Catalyzed Three-Component Coupling Reaction of Nonactivated Terminal Alkynes, Allyl Carbonate, and Trimethylsilyl Azide.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
103	Synthesis of 1-Substituted Tetrazoles via the Acid-Catalyzed [3 + 2] Cycloaddition Between Isocyanides and Trimethylsilyl Azide.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
104	Facile Deallylation Protocols for the Preparation of N-Unsubstituted Triazoles and Tetrazoles.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
105	Development of New Transition-Metal-Catalyzed Fullerene Functionalization. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2015, 73, 241-253.	0.1	0