Ai-Lan Lee

List of Publications by Year
in descending order

66	3,492	147801 31	138484 58
papers	citations	h-index	g-index

101	101	101	3242
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Active metal template synthesis of rotaxanes, catenanes and molecular shuttles. Chemical Society Reviews, 2009, 38, 1530.	38.1	573
2	Gold(i) â€œclickâ€•1,2,3-triazolylidenes: synthesis, self-assembly and catalysis. Chemical Communications, 2011, 47, 328-330.	4.1	168
3	1,3,4-Trisubtituted-1,2,3-Triazol-5-ylidene 'Click' Carbene Ligands: Synthesis, Catalysis and Self-Assembly. Australian Journal of Chemistry, 2011, 64, 1118.	0.9	154
4	Gold catalysed reactions with cyclopropenes. Chemical Communications, 2008, , 6405.	4.1	114
5	[2]Rotaxanes through Palladium Active-Template Oxidative Heck Cross-Couplings. Journal of the American Chemical Society, 2007, 129, 12092-12093.	13.7	104
6	Microencapsulation of Osmium Tetroxide in Polyurea. Organic Letters, 2003, 5, 185-187.	4.6	103
7	Cadiotâ€“Chodkiewicz Active Template Synthesis of Rotaxanes and Switchable Molecular Shuttles with Weak Intercomponent Interactions. Angewandte Chemie - International Edition, 2008, 47, 4392-4396.	13.8	101
8	A Catalytic Palladium Active-Metal Template Pathway to [2]Rotaxanes. Angewandte Chemie - International Edition, 2007, 46, 5709-5713.	13.8	100
9	Metal-, Photocatalyst-, and Light-Free, Late-Stage Câ€“H Alkylation of Heteroarenes and 1,4-Quinones Using Carboxylic Acids. Organic Letters, 2018, 20, 6863-6867.	4.6	94
10	Dual gold and photoredox catalysed Câ€“H activation of arenes for arylâ€“aryl cross couplings. Chemical Science, 2017, 8, 2885-2889.	7.4	90
11	A concise synthesis of carpanone using solid-supported reagents and scavengers. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1850-1857.	1.3	89
12	Direct decarboxylative Giese reactions. Chemical Society Reviews, 2022, 51, 1415-1453.	38.1	87
13	Gold(i)-catalysed alcohol additions to cyclopropenes. Organic and Biomolecular Chemistry, 2010, 8, 4090.	2.8	80
14	Divergent Outcomes of Gold(I)-Catalyzed Indole Additions to 3,3-Disubstituted Cyclopropenes. Organic Letters, 2012, 14, 898-901.	4.6	72
15	Dual gold photoredox C(sp²)â€“C(sp²) cross couplings â€“ development and mechanistic studies. Chemical Communications, 2016, 52, 10163-10166.	4.1	72
16	Regioselective Synthesis of tert-Allylic Ethers via Gold(I)-Catalyzed Intermolecular Hydroalkoxylation of Allenes. Organic Letters, 2010, 12, 484-487.	4.6	69
17	Gold(I) and Palladium(II) Complexes of 1,3,4-Trisubstituted 1,2,3-Triazol-5-ylidene â€œClickâ€•Carbenes: Systematic Study of the Electronic and Steric Influence on Catalytic Activity. Organometallics, 2013, 32, 7065-7076.	2.3	68
18	Enantioselective oxidative boron Heck reactions. Organic and Biomolecular Chemistry, 2016, 14, 5357-5366.	2.8	67

#	Article	IF	Citations
19	Gold(<scp>i</scp>)-catalysed synthesis of conjugated trienes. Chemical Communications, 2011, 47, 1333-1335.	4.1	64
20	Palladiumâ€Catalyzed Direct Cï£¿H Functionalization of Benzoquinone. Angewandte Chemie - International Edition, 2014, 53, 13876-13879.	13.8	62
21	Enantioselective Synthesis of Cyclic Enol Ethers and All-Carbon Quaternary Stereogenic Centers Through Catalytic Asymmetric Ring-Closing Metathesis. Journal of the American Chemical Society, 2006, 128, 5153-5157.	13.7	61
22	Heterogeneous photocatalysis in flow chemical reactors. Beilstein Journal of Organic Chemistry, 2020, 16, 1495-1549.	2.2	54
23	Gold(I)-Catalyzed Addition of Thiols and Thioacids to 3,3-Disubstituted Cyclopropenes. Journal of Organic Chemistry, 2012, 77, 7633-7639.	3.2	52
24	The synthesis of the anti-malarial natural product polysphorin and analogues using polymer-supported reagents and scavengers. Organic and Biomolecular Chemistry, 2003, 1, 3957.	2.8	47
25	Ligand- and Base-Free Pd(II)-Catalyzed Controlled Switching between Oxidative Heck and Conjugate Addition Reactions. Organic Letters, 2013, 15, 1886-1889.	4.6	47
26	Metal-, Photocatalyst-, and Light-Free Direct Câ€“H Acylation and Carbamoylation of Heterocycles. Organic Letters, 2019, 21, 7119-7123.	4.6	47
27	A Concise Synthesis of the Natural Product Carpanone Using Solid-Supported Reagents and Scavengers. Synlett, 2001, 2001, 1482-1484.	1.8	44
28	Dual copper- and photoredox-catalysed reactions. Tetrahedron, 2018, 74, 4881-4902.	1.9	42
29	A Polymer-supported Iridium Catalyst for the Stereoselective Isomerisation of Double Bonds. Synlett, 2002, 2002, 0516-0518.	1.8	38
30	Deactivation of gold(i) catalysts in the presence of thiols and amines â€“ characterisation and catalysis. Dalton Transactions, 2013, 42, 9645.	3.3	35
31	Oxidative Heck desymmetrisation of 2,2-disubstituted cyclopentene-1,3-diones. Chemical Communications, 2015, 51, 4089-4092.	4.1	35
32	Computational studies on the mechanism of the gold(i)-catalysed rearrangement of cyclopropenes. Organic and Biomolecular Chemistry, 2012, 10, 4433.	2.8	29
33	Gold-Catalyzed Proto- and Deuterodeboronation. Journal of Organic Chemistry, 2015, 80, 9807-9816.	3.2	28
34	Operationally Simple, Efficient, and Diastereoselective Synthesis ofcis-2,6-Disubstituted-4-Methylene Tetrahydropyrans Catalyzed by Triflic Acid. Organic Letters, 2006, 8, 1871-1874.	4.6	26
35	Mild and Ligand-Free Pd(II)-Catalyzed Conjugate Additions to Hindered Î³-Substituted Cyclohexenones. Organic Letters, 2012, 14, 2508-2511.	4.6	26
36	Gold(I)â€Catalysed Direct Thioetherifications Using Allylic Alcohols: an Experimental and Computational Study. Chemistry - A European Journal, 2014, 20, 11540-11548.	3.3	26

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37	Silver Effect in Regiodivergent Gold-Catalyzed Hydroaminations. ACS Catalysis, 2019, 9, 2552-2557.	11.2	26
38	Gold(i)-catalysed direct allylic etherification of unactivated alcohols. Chemical Communications, 2013, 49, 4262-4264.	4.1	25
39	Dehydrative Thiolation of Allenols: Indium vs Gold Catalysis. Journal of Organic Chemistry, 2015, 80, 1703-1718.	3.2	25
40	Chirality Transfer in Gold(I)â€Catalysed Hydroalkoxylation of 1,3â€Disubstituted Allenes. Chemistry - A European Journal, 2016, 22, 18593-18600.	3.3	25
41	Gold(I)â€Catalysed Hydroarylation of 1,3â€Disubstituted Allenes with Efficient Axialâ€toâ€Point Chirality Transfer. Chemistry - A European Journal, 2018, 24, 7002-7009.	3.3	24
42	Gold(I)-catalysed iodoalkoxylation of allenes. Tetrahedron, 2011, 67, 1609-1616.	1.9	23
43	Synthesis of a C1-symmetric Box macrocycle and studies towards active-template synthesis of mechanically planar chiral rotaxanes. Tetrahedron, 2013, 69, 57-68.	1.9	23
44	Rapid Iododeboronation with and without Gold Catalysis: Application to Radiolabelling of Arenes. Chemistry - A European Journal, 2018, 24, 937-943.	3.3	23
45	Chirality Transfer in Gold(I)â€Catalysed Direct Allylic Etherifications of Unactivated Alcohols: Experimental and Computational Study. Chemistry - A European Journal, 2015, 21, 13748-13757.	3.3	21
46	Selectivity Control in Gold-Catalyzed Hydroarylation of Alkynes with Indoles: Application to Unsymmetrical Bis(indolyl)methanes. Organic Letters, 2020, 22, 6977-6981.	4.6	21
47	Integrating Microwave-Assisted Synthesis and Solid-Supported Reagents. , 0, , 133-176.		20
48	Gold(iii)â€“oxo complexes as catalysts in intramolecular hydroamination. Catalysis Science and Technology, 2012, 2, 1818.	4.1	20
49	Autoâ€Tandem Catalysis: Pd^{II}â€Catalysed Dehydrogenation/Oxidative Heck Reaction of Cyclopentaneâ€1,3â€diones. Chemistry - A European Journal, 2017, 23, 18282-18288.	3.3	20
50	Continuous-flow synthesis and application of polymer-supported BODIPY Photosensitisers for the generation of singlet oxygen; process optimised by in-line NMR spectroscopy. Journal of Flow Chemistry, 2020, 10, 327-345.	1.9	20
51	Gold(I)-catalysed one-pot synthesis of chromans using allylic alcohols and phenols. Beilstein Journal of Organic Chemistry, 2013, 9, 1797-1806.	2.2	19
52	Organocatalyzed Carbonylâ€“Olefin Metathesis. Angewandte Chemie - International Edition, 2013, 52, 4524-4525.	13.8	17
53	Dual copper- and photoredox-catalysed C(sp²)â€“C(sp³) coupling. Chemical Communications, 2019, 55, 4238-4241.	4.1	14
54	Pd(II)-Catalyzed Enantioselective Desymmetrization of Polycyclic Cyclohexenediones: Conjugate Addition versus Oxidative Heck. Organic Letters, 2019, 21, 8689-8694.	4.6	13

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55	Expanding the Tool Kit of Automated Flow Synthesis: Development of In-line Flash Chromatography Purification. Journal of Organic Chemistry, 2021, 86, 14079-14094.	3.2	12
56	Direct Hydrodecarboxylation of Aliphatic Carboxylic Acids: Metal- and Light-Free. Organic Letters, 2022, , .	4.6	11
57	Direct Câ€“H Functionalization of Phenanthrolines: Metal- and Light-Free Dicarbamoylations. Journal of Organic Chemistry, 2021, 86, 17282-17293.	3.2	9
58	Enantioselective catalysis. Annual Reports on the Progress of Chemistry Section B, 2009, 105, 421.	0.9	8
59	Enantioselective catalysis. Annual Reports on the Progress of Chemistry Section B, 2011, 107, 369.	0.9	7
60	Enantioselective catalysis. Annual Reports on the Progress of Chemistry Section B, 2010, 106, 428.	0.9	6
61	A rotaxane with the golden touch. Nature Chemistry, 2016, 8, 8-9.	13.6	5
62	Indium Versus Gold Catalysis in Dehydrative Reactions with Allylic Alcohols. Synlett, 2015, 26, 2673-2678.	1.8	4
63	Golden potential. Nature Chemistry, 2019, 11, 760-761.	13.6	3
64	Microencapsulation of Osmium Tetroxide in Polyurea.. ChemInform, 2003, 34, no.	0.0	1
65	Synthesis and optoelectronic properties of benzoquinone-based donorâ€“acceptor compounds. Beilstein Journal of Organic Chemistry, 2019, 15, 2914-2921.	2.2	1
66	Integrating Microwave-Assisted Synthesis and Solid-Supported Reagents. ChemInform, 2005, 36, no.	0.0	0