

Jingbo Lan

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75
papers

3,925
citations

30
h-index

62
g-index

79
ext. papers

4,449
ext. citations

9.2
avg, IF

5.81
L-index

#	Paper	IF	Citations
75	Oxidative C-H/C-H Coupling Reactions between Two (Hetero)arenes. <i>Chemical Reviews</i> , 2017 , 117, 8787-8863	16.4	725
74	Palladium(II)-catalyzed oxidative C-H/C-H cross-coupling of heteroarenes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1822-4	16.4	379
73	Copper-catalyzed direct C arylation of heterocycles with aryl bromides: discovery of fluorescent core frameworks. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3296-300	16.4	269
72	Rhodium or ruthenium-catalyzed oxidative C-H/C-H cross-coupling: direct access to extended π conjugated systems. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 580-4	16.4	169
71	Molecular Engineering of Mechanochromic Materials by Programmed C-H Arylation: Making a Counterpoint in the Chromism Trend. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12803-12812	16.4	152
70	Unparalleled Ease of Access to a Library of Biheteroaryl Fluorophores via Oxidative Cross-Coupling Reactions: Discovery of Photostable NIR Probe for Mitochondria. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4730-8	16.4	138
69	Rhodium(III)-Catalyzed ortho-Heteroarylation of Phenols through Internal Oxidative C-H Activation: Rapid Screening of Single-Molecular White-Light-Emitting Materials. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14008-12	16.4	125
68	Chelation-assisted Rh(III)-catalyzed C2-selective oxidative $C\equiv C/C\equiv C$ cross-coupling of indoles/pyrroles with heteroarenes. <i>Chemical Science</i> , 2013 , 4, 1964	9.4	123
67	Rh(III)-catalyzed decarboxylative ortho-heteroarylation of aromatic carboxylic acids by using the carboxylic acid as a traceless directing group. <i>Organic Letters</i> , 2015 , 17, 1762-5	6.2	107
66	Rhodium(III)-Catalyzed ortho C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to π Conjugated Poly-heterocycles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7167-70	16.4	106
65	Pd-catalyzed oxidative $C\equiv C/C\equiv C$ cross-coupling of pyridines with heteroarenes. <i>Chemical Science</i> , 2013 , 4, 2163	9.4	102
64	Rhodium(III)-Catalyzed Activation of C(sp ³)-H Bonds and Subsequent Intermolecular Amidation at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9404-8	16.4	95
63	Aldehyde as a Traceless Directing Group for Rh(III)-Catalyzed C-H Activation: A Facile Access to Diverse Indolo[1,2-a]quinolines. <i>Organic Letters</i> , 2015 , 17, 2936-9	6.2	93
62	From Mono-Triazolium Salt to Bis-Triazolium Salt: Improvement of the Asymmetric Intermolecular Benzoin Condensation. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2645-2651	5.6	78
61	Dual-emissive 2-(2-hydroxyphenyl)oxazoles for high performance organic electroluminescent devices: discovery of a new equilibrium of excited state intramolecular proton transfer with a reverse intersystem crossing process. <i>Chemical Science</i> , 2018 , 9, 1213-1220	9.4	64
60	Rhodium or Ruthenium-Catalyzed Oxidative C ² H/C ² H Cross-Coupling: Direct Access to Extended π Conjugated Systems. <i>Angewandte Chemie</i> , 2013 , 125, 608-612	3.6	62
59	Unexpected Sole Enol-Form Emission of 2-(2-Hydroxyphenyl)oxazoles for Highly Efficient Deep-Blue-Emitting Organic Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2017 , 27, 1605245	15.6	61

58	Coordinating activation strategy for C(sp ³)-H/C(sp ³)-H cross-coupling to access β -amino acids. <i>Nature Communications</i> , 2015 , 6, 8404	17.4	60
57	Cation-Anion Interaction-Directed Molecular Design Strategy for Mechanochromic Luminescence. <i>Advanced Functional Materials</i> , 2014 , 24, 747-753	15.6	56
56	Palladium-catalyzed C-H activation of anilides at room temperature: ortho-arylation and acetoxylation. <i>RSC Advances</i> , 2013 , 3, 9649	3.7	52
55	Molecular Design of Non-doped OLEDs Based on a Twisted Heptagonal Acceptor: A Delicate Balance between Rigidity and Rotatability. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9992-9996	16.4	47
54	Porphyrins with intense absorptivity: highly efficient sensitizers with a photovoltaic efficiency of up to 10.7% without a cosensitizer and a coabsorbate. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11829-11834	12	45
53	Chelation-assisted Pd-catalysed ortho-selective oxidative C-H/C-H cross-coupling of aromatic carboxylic acids with arenes and intramolecular Friedel-Crafts acylation: one-pot formation of fluorenones. <i>Chemical Communications</i> , 2016 , 52, 3635-8	5.8	45
52	Crystal Water of Cadmium Acetate-Dependent Formation of One-Dimensional Channel Structure Based on 4,4'-bis(1-Imidazolyl)biphenyl. <i>Crystal Growth and Design</i> , 2008 , 8, 3134-3136	3.5	43
51	Iridium-Catalyzed Annulation Reactions of Thiophenes with Carboxylic Acids: Direct Evidence for a Heck-type Pathway. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6309-6313	16.4	41
50	Novel Ruthenium Sensitizers with a Phenothiazine Conjugated Bipyridyl Ligand for High-Efficiency Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27831-7	9.5	37
49	Cascade C-H Annulation of Aldoximes with Alkynes Using O as the Sole Oxidant: One-Pot Access to Multisubstituted Protoberberine Skeletons. <i>Organic Letters</i> , 2017 , 19, 604-607	6.2	35
48	Ligand-switching and counteranion-induced hierarchical self-assembly of silver-NHC complexes. <i>Chemical Science</i> , 2012 , 3, 359-363	9.4	32
47	Oxidative C-H/C-H Cross-Coupling Reactions between N-Acylanilines and Benzamides Enabled by a Cp*-Free RhCl/TFA Catalytic System. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9108-9112	16.4	32
46	Rhodium(III)-Catalyzed ortho C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to β -Conjugated Poly-heterocycles. <i>Angewandte Chemie</i> , 2015 , 127, 7273-7276	3.6	31
45	Palladium-Catalyzed Annulation of Internal Alkynes: Direct Access to β -Conjugated Ullazines. <i>Organic Letters</i> , 2016 , 18, 2876-9	6.2	30
44	Rhodium(III)-Catalyzed ortho-Heteroarylation of Phenols through Internal Oxidative C-H Activation: Rapid Screening of Single-Molecular White-Light-Emitting Materials. <i>Angewandte Chemie</i> , 2015 , 127, 14214-14218	3.6	29
43	Pd-Catalyzed Direct C-H Functionalization/Annulation of BODIPYs with Alkynes to Access Unsymmetrical Benzo[b]-Fused BODIPYs: Discovery of Lysosome-Targeted Turn-On Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2018 , 83, 9538-9546	4.2	28
42	A new perylene diimide-based colorimetric and fluorescent sensor for selective detection of Cu ²⁺ cation. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 518-522		26
41	Self-Assembled Bifunctional Catalysis Induced by Metal Coordination Interactions: An Exceptionally Efficient Approach to Enantioselective Hydrophosphonylation. <i>Angewandte Chemie</i> , 2008 , 120, 5728-5731	3.6	25

40	Rh-Catalysed direct cyclisation of 1,4-naphthoquinone and 9,10-phenanthraquinone with alkyne: facile access to 1,8-dioxapyrenes and 1,12-dioxaperylenes as orange and red-emitting luminophores. <i>Chemical Communications</i> , 2015 , 51, 6337-9	5.8	24
39	Silver-mediated direct C-H amination of BODIPYs for screening endoplasmic reticulum-targeting reagents. <i>Chemical Communications</i> , 2018 , 54, 3219-3222	5.8	22
38	An air-stable half-sandwich Ru(II) complex as an efficient catalyst for [3+2] annulation of 2-arylcyclo-2-enones with alkynes. <i>Chemical Communications</i> , 2016 , 52, 4613-6	5.8	21
37	Rhodium-catalyzed -heteroarylation of phenols: directing group-enabled switching of the electronic bias for heteroaromatic coupling partner. <i>Chemical Science</i> , 2018 , 9, 6878-6882	9.4	21
36	Triazolotriazine-based thermally activated delayed fluorescence materials for highly efficient fluorescent organic light-emitting diodes (TSF-OLEDs). <i>Science Bulletin</i> , 2021 , 66, 441-448	10.6	21
35	Direct arylation of phenanthroline derivatives via oxidative C-H/C-H cross-coupling: synthesis and discovery of excellent ligands. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1290-3	3.9	20
34	Highly Regio- and Chemoselective Oxidative C _H /C _H Cross-Couplings of Anilines and Phenols Enabled by a Co-Oxidant-Free Rh(I)/Zn(NTf ₂) ₂ /Air Catalytic System. <i>ACS Catalysis</i> , 2019 , 9, 5358-5364	13.1	18
33	Biomimetic crystallization of calcium carbonate spherules controlled by hyperbranched polyglycerols. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2789		18
32	Transient directing ligand- and solvent-controlled C-H/C-H cross-coupling/quaternization cyclization/dequaternization of benzaldehydes with thiophenes. <i>Chemical Communications</i> , 2019 , 55, 7518-7521	5.8	16
31	Rhodium-Catalyzed C-H/C-H Cross Coupling of Benzylthioethers or Benzylamines with Thiophenes Enabled by Flexible Directing Groups. <i>Organic Letters</i> , 2019 , 21, 5086-5090	6.2	14
30	Oxygen as an oxidant in palladium/copper-cocatalyzed oxidative C-H/C-H cross-coupling between two heteroarenes. <i>Science China Chemistry</i> , 2015 , 58, 1292-1296	7.9	14
29	Oxidative C-H/C-H Cross-Coupling of [1,2,4]Triazolo[1,5- a]pyrimidines with Indoles and Pyrroles: Discovering Excited-State Intramolecular Proton Transfer (ESIPT) Fluorophores. <i>Organic Letters</i> , 2019 , 21, 4058-4062	6.2	13
28	Double -C-H Activation/Annulation of Benzamides with Aryl Alkynes: A Route to Double-Helical Polycyclic Heteroaromatics. <i>Journal of Organic Chemistry</i> , 2019 , 84, 15697-15705	4.2	13
27	Iridium-Catalyzed Annulation Reactions of Thiophenes with Carboxylic Acids: Direct Evidence for a Heck-type Pathway. <i>Angewandte Chemie</i> , 2018 , 130, 6417-6421	3.6	12
26	Fusion of Aromatic Ring to Azoarenes: One-Pot Access to 5,6-Phenanthroliniums for Mitochondria-Targeted Far-Red/NIR Fluorescent Probes. <i>Organic Letters</i> , 2019 , 21, 1037-1041	6.2	11
25	Construction of 3,7-Dithienyl Phenothiazine-Based Organic Dyes via Multistep Direct C-H Arylation Reactions. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8114-8126	4.2	10
24	An Effective Strategy to Construct Highly Efficient Deep-Blue Organic Light-Emitting Field-Effect Transistors. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700453	4.6	9
23	Regioselective Synthesis of 2- and 3-Substituted Imidazo[1,2-a]pyridines. <i>Journal of Chemical Research</i> , 2012 , 36, 687-690	0.6	9

22	Construction of Cationic Azahelicenes: Regioselective Three-Component Annulation Using In Situ Activation Strategy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23532-23536	16.4	9
21	Iridium(III)-Catalyzed Diarylation/Annulation of Benzoic Acids: Facile Access to Multi-Aryl Spirobifluorenes as Pure Hydrocarbon Hosts for High-Performance OLEDs. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18852-18859	16.4	9
20	Dearomatizing [4+1] Spiroannulation of Naphthols: Discovery of Thermally Activated Delayed Fluorescent Materials. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3493-3497	16.4	9
19	DOTA Functionalized Cross-Linked Small-Molecule Micelles for Theranostics Combining Magnetic Resonance Imaging and Chemotherapy. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3402-3410	6.3	8
18	Tuning the dual emission of keto/enol forms of excited-state intramolecular proton transfer (ESIPT) emitters via intramolecular charge transfer (ICT). <i>Dyes and Pigments</i> , 2021 , 193, 109497	4.6	8
17	Oxygen as an oxidant in rhodium(III) catalyzed oxidative C _H /C _H cross-coupling between indoles and oxazoles. <i>Science China Chemistry</i> , 2018 , 61, 200-205	7.9	7
16	Mechanically induced single-molecule white-light emission of excited-state intramolecular proton transfer (ESIPT) materials. <i>Materials Horizons</i> , 2021 , 8, 1499-1508	14.4	7
15	Molecular design of new organic sensitizers based on thieno[1,4]benzothiazine for dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 56865-56871	3.7	6
14	Pd(II)-Catalyzed Regioselective Multiple C-H Arylations of 1-Naphthamides with Cyclic Diaryliodonium Salts: One-Step Access to [4]- and [5]Carbohelicenes. <i>Organic Letters</i> , 2020 , 22, 135-139	6.2	6
13	Copper-catalyzed remote C-H arylation of polycyclic aromatic hydrocarbons (PAHs). <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 530-536	2.5	5
12	Tandem Rh(III)-Catalyzed C-H Heteroarylation of Indolyl Ketones and Cu(II)-Promoted Intramolecular Cyclization: One-Pot Access to Blue-Emitting Phenanthrone-Type Polyheterocycles. <i>Organic Letters</i> , 2019 , 21, 1139-1143	6.2	5
11	High-Performance Ruthenium Sensitizers Containing Imidazolium Counterions for Efficient Dye Sensitization in Water. <i>ChemSusChem</i> , 2017 , 10, 2914-2921	8.3	4
10	Spiral growth mode in DMDPC organic thin film transistors by physical vapor deposition. <i>RSC Advances</i> , 2016 , 6, 50770-50775	3.7	3
9	Regioselective addition/annulation of ferrocenyl thioamides with 1,3-diyne a sulfur-transfer rearrangement to construct extended E-conjugated ferrocenes with luminescent properties. <i>Chemical Science</i> , 2020 , 11, 11030-11036	9.4	3
8	Oxidative C _H /C _H Cross-Coupling Reactions between N-Acylanilines and Benzamides Enabled by a Cp*-Free RhCl ₃ /TFA Catalytic System. <i>Angewandte Chemie</i> , 2018 , 130, 9246-9250	3.6	2
7	Molecular engineering enabling reversible transformation between helical and planar conformations by cyclization of alkynes. <i>Chemical Science</i> , 2020 , 12, 2419-2426	9.4	2
6	Correlation between Excited-State Intramolecular Proton Transfer and Electron Population on Proton Donor/Acceptor in 2-(2RHydroxyphenyl)oxazole Derivatives.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 4486-4494	6.4	2
5	Iridium(III)-Catalyzed Diarylation/Annulation of Benzoic Acids: Facile Access to Multi-Aryl Spirobifluorenes as Pure Hydrocarbon Hosts for High-Performance OLEDs. <i>Angewandte Chemie</i> , 2021 , 133, 19000-19007	3.6	1

4	Management of Locally Excited States for Purine-based TADF Emitters: A Method to Reduce Device Efficiency Roll-Off. <i>Organic Letters</i> , 2021 , 23, 3839-3843	6.2	o
3	Synthesis of Water-Soluble Cyclen-Functionalised Fullerene C60 Derivatives. <i>Journal of Chemical Research</i> , 2014 , 38, 251-253	0.6	
2	Luminescent Materials: Cation-Anion Interaction-Directed Molecular Design Strategy for Mechanochromic Luminescence (Adv. Funct. Mater. 6/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 876-876	15.6	
1	Construction of Cationic Azahelicenes: Regioselective Three-Component Annulation Using In Situ Activation Strategy. <i>Angewandte Chemie</i> , 2020 , 132, 23738-23742	3.6	