

# Jingbo Lan

## List of Publications by Year in descending order

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75  
papers

4,850  
citations

126708

33  
h-index

91712

69  
g-index

79  
all docs

79  
docs citations

79  
times ranked

4611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative C-H/C-H Coupling Reactions between Two (Hetero)arenes. <i>Chemical Reviews</i> , 2017, 117, 8787-8863.	23.0	925
2	Palladium(II)-Catalyzed Oxidative C-H/C-H Cross-Coupling of Heteroarenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 1822-1824.	6.6	413
3	Copper-Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3296-3300.	7.2	282
4	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.	6.6	195
5	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, 4730-4738.	6.6	181
6	Rhodium or Ruthenium-Catalyzed Oxidative C-H/C-H Cross-Coupling: Direct Access to Extended $\pi$ -Conjugated Systems. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 580-584.	7.2	180
7	Rhodium(III)-Catalyzed <i>ortho</i> -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, 14008-14012.	7.2	133
8	Chelation-assisted Rh(III)-catalyzed C2-selective oxidative C-H/C-H cross-coupling of indoles/pyrroles with heteroarenes. <i>Chemical Science</i> , 2013, 4, 1964.	3.7	131
9	Pd-catalyzed oxidative C-H/C-H cross-coupling of pyridines with heteroarenes. <i>Chemical Science</i> , 2013, 4, 2163.	3.7	123
10	Rhodium(III)-Catalyzed <i>ortho</i> -C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to $\pi$ -Conjugated Polyheterocycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7167-7170.	7.2	122
11	Rh(III)-Catalyzed Decarboxylative <i>ortho</i> -Heteroarylation of Aromatic Carboxylic Acids by Using the Carboxylic Acid as a Traceless Directing Group. <i>Organic Letters</i> , 2015, 17, 1762-1765.	2.4	114
12	Rhodium(III)-Catalyzed Activation of C-H Bonds and Subsequent Intermolecular Amidation at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9404-9408.	7.2	109
13	Aldehyde as a Traceless Directing Group for Rh(III)-Catalyzed C-H Activation: A Facile Access to Diverse Indolo[1,2- <i>a</i> ]quinolines. <i>Organic Letters</i> , 2015, 17, 2936-2939.	2.4	104
14	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.	2.1	86
15	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.	3.7	84
16	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.	7.2	82
17	Coordinating activation strategy for C(sp <sup>3</sup> )-H/C(sp <sup>3</sup> )-H cross-coupling to access $\beta$ -aromatic $\alpha$ -amino acids. <i>Nature Communications</i> , 2015, 6, 8404.	5.8	73
18	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.	7.8	72

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19	Cation-Anion Interaction-Directed Molecular Design Strategy for Mechanochromic Luminescence. <i>Advanced Functional Materials</i> , 2014, 24, 747-753.	7.8	68
20	Palladium-catalyzed C-H activation of anilides at room temperature: ortho-arylation and acetoxylation. <i>RSC Advances</i> , 2013, 3, 9649.	1.7	59
21	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.	7.2	57
22	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.	5.2	56
23	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, 3635-3638.	2.2	52
24	Novel Ruthenium Sensitizers with a Phenothiazine Conjugated Bipyridyl Ligand for High-Efficiency Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27831-27837.	4.0	45
25	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.	1.4	43
26	Iridium-Catalyzed Annulation Reactions of Thiophenes with Carboxylic Acids: Direct Evidence for a Heck-type Pathway. <i>Angewandte Chemie</i> , 2018, 130, 6417-6421.	1.6	42
27	Oxidative C-H/C-H Cross-Coupling Reactions between <i>N</i> -Acylanilines and Benzamides Enabled by a Cp*Free RhCl <sub>3</sub> /TFA Catalytic System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9108-9112.	7.2	42
28	Cascade C-H Annulation of Aldoximes with Alkynes Using O <sub>2</sub> as the Sole Oxidant: One-Pot Access to Multisubstituted Protoberberine Skeletons. <i>Organic Letters</i> , 2017, 19, 604-607.	2.4	41
29	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.	4.3	40
30	Pd-Catalyzed Direct C-H Functionalization/Annulation of BODIPYs with Alkynes to Access Unsymmetrical Benzo[ <i>b</i> ]-Fused BODIPYs: Discovery of Lysosome-Targeted Turn-On Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9538-9546.	1.7	38
31	Palladium-Catalyzed Annulation of Internal Alkynes: Direct Access to $\beta$ -Conjugated Ullazines. <i>Organic Letters</i> , 2016, 18, 2876-2879.	2.4	37
32	Ligand-switching and counteranion-induced hierarchical self-assembly of silver-NHC complexes. <i>Chemical Science</i> , 2012, 3, 359-363.	3.7	36
33	Silver-mediated direct C-H amination of BODIPYs for screening endoplasmic reticulum-targeting reagents. <i>Chemical Communications</i> , 2018, 54, 3219-3222.	2.2	33
34	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.	2.0	33
35	A new perylene diimide-based colorimetric and fluorescent sensor for selective detection of Cu <sup>2+</sup> cation. <i>Science in China Series B: Chemistry</i> , 2009, 52, 518-522.	0.8	32
36	Rhodium(III)-Catalyzed <i>ortho</i> -C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to $\beta$ -Conjugated Polyheterocycles. <i>Angewandte Chemie</i> , 2015, 127, 7273-7276.	1.6	32

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37	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.	7.2	32
38	An air-stable half-sandwich Ru <sup>II</sup> complex as an efficient catalyst for [3+2] annulation of 2-arylcyclo-2-enones with alkynes. <i>Chemical Communications</i> , 2016, 52, 4613-4616.	2.2	29
39	Dearomatizing [4+1] Spiroannulation of Naphthols: Discovery of Thermally Activated Delayed Fluorescent Materials. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3493-3497.	7.2	29
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, 6337-6339.	2.2	28
41	Mechanically induced single-molecule white-light emission of excited-state intramolecular proton transfer (ESIPT) materials. <i>Materials Horizons</i> , 2021, 8, 1499-1508.	6.4	27
42	Rhodium-catalyzed <i>ortho</i> -heteroarylation of phenols: directing group-enabled switching of the electronic bias for heteroaromatic coupling partner. <i>Chemical Science</i> , 2018, 9, 6878-6882.	3.7	26
43	Oxidative C-H/C-H Cross-Coupling of [1,2,4]Triazolo[1,5- <i>a</i> ]pyrimidines with Indoles and Pyrroles: Discovering Excited-State Intramolecular Proton Transfer (ESIPT) Fluorophores. <i>Organic Letters</i> , 2019, 21, 4058-4062.	2.4	25
44	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 <sub>2</sub> ) <sub>2</sub> /Air Catalytic System. <i>ACS Catalysis</i> , 2019, 9, 5358-5364.	5.5	25
45	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.	1.5	22
46	Biomimetic crystallization of calcium carbonate spherules controlled by hyperbranched polyglycerols. <i>Journal of Materials Chemistry</i> , 2008, 18, 2789.	6.7	21
47	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.	2.4	21
48	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.	2.2	21
49	Construction of Cationic Azahelicenes: Regioselective Three-Component Annulation Using In Situ Activation Strategy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23532-23536.	7.2	20
50	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.	4.2	18
51	Double <i>ortho</i> -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.	1.7	18
52	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.	2.4	18
53	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.	1.7	14
54	Regioselective Synthesis of 2- and 3-Substituted Imidazo[1,2- <i>a</i> ]pyridines. <i>Journal of Chemical Research</i> , 2012, 36, 687-690.	0.6	12

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55	Regioselective addition/annulation of ferrocenyl thioamides with 1,3-diyne <i>via</i> a sulfur-transfer rearrangement to construct extended $\pi$ -conjugated ferrocenes with luminescent properties. <i>Chemical Science</i> , 2020, 11, 11030-11036.	3.7	12
56	DOTA Functionalized Cross-Linked Small-Molecule Micelles for Theranostics Combining Magnetic Resonance Imaging and Chemotherapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 3402-3410.	1.8	10
57	Tandem Rh(III)-Catalyzed C-H Heteroarylation of Indolyl Ketones and Cu(II)-Promoted Intramolecular Cyclization: One-Pot Access to Blue-Emitting Phenanthrene-Type Polyheterocycles. <i>Organic Letters</i> , 2019, 21, 1139-1143.	2.4	10
58	An Effective Strategy to Construct Highly Efficient Deep-Blue Organic Light-Emitting Field-Effect Transistors. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700453.	1.9	9
59	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.	4.2	9
60	Oxidative C <sup>sp</sup> H/C <sup>sp</sup> H Cross-Coupling Reactions between <i>N</i> -acylanilines and Benzamides Enabled by a Cp*Free RhCl <sub>3</sub> /TFA Catalytic System. <i>Angewandte Chemie</i> , 2018, 130, 9246-9250.	1.6	9
61	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.	2.4	9
62	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.	1.6	9
63	Copper-catalyzed remote C-H arylation of polycyclic aromatic hydrocarbons (PAHs). <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 530-536.	1.3	8
64	Catalytic Oxidative C-H Annulation of Arylthiol Derivatives with 1,3-Diyne toward 3,3'-Bibenzothiophenes. <i>Organic Letters</i> , 2022, 24, 1929-1934.	2.4	7
65	Correlation between Excited-State Intramolecular Proton Transfer and Electron Population on Proton Donor/Acceptor in 2-(2-Hydroxyphenyl)oxazole Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4486-4494.	2.1	7
66	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.	1.7	6
67	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.	2.4	6
68	An umpolung strategy for rapid access to thermally activated delayed fluorescence (TADF) materials based on phenazine. <i>Chemical Communications</i> , 2022, 58, 1581-1584.	2.2	6
69	High-Performance Ruthenium Sensitizers Containing Imidazolium Counterions for Efficient Dye Sensitization in Water. <i>ChemSusChem</i> , 2017, 10, 2914-2921.	3.6	4
70	Molecular engineering enabling reversible transformation between helical and planar conformations by cyclization of alkynes. <i>Chemical Science</i> , 2021, 12, 2419-2426.	3.7	4
71	Spiral growth mode in DMDPC organic thin film transistors by physical vapor deposition. <i>RSC Advances</i> , 2016, 6, 50770-50775.	1.7	3
72	Rh( <i>scpd</i> )-catalysed C-H/C-H cross-coupling of <i>S</i> -aryl sulfoximines with thiophenes: facile access to [1]benzothieno[3,2- <i>b</i> ][1]benzothiophene (BTBT) and benzothiazines. <i>Chemical Communications</i> , 0, , .	2.2	2

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73	Synthesis of Water-Soluble Cyclen-Functionalised Fullerene C <sub>60</sub> Derivatives. Journal of Chemical Research, 2014, 38, 251-253.	0.6	0
74	Luminescent Materials: Cation-Anion Interaction-Directed Molecular Design Strategy for Mechanochromic Luminescence (Adv. Funct. Mater. 6/2014). Advanced Functional Materials, 2014, 24, 876-876.	7.8	0
75	Construction of Cationic Azahelicenes: Regioselective Three-Component Annulation Using In Situ Activation Strategy. Angewandte Chemie, 2020, 132, 23738-23742.	1.6	0