

Jingbo Lan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | 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 |
| 74 | 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 | 0 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | Construction of Cationic Azahelicenes: Regioselective Three-Component Annulation Using In Situ Activation Strategy. <i>Angewandte Chemie</i> , 2020 , 132, 23738-23742 | 3.6 | |
| 65 | 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 |
| 64 | 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 |
| 63 | Regioselective addition/annulation of ferrocenyl thioamides with 1,3-diynes a sulfur-transfer rearrangement to construct extended π -conjugated ferrocenes with luminescent properties. <i>Chemical Science</i> , 2020 , 11, 11030-11036 | 9.4 | 3 |
| 62 | 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 |
| 61 | 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 |
| 60 | Fusion of Aromatic Ring to Azoarenes: One-Pot Access to 5,6-Phenanthrolium for Mitochondria-Targeted Far-Red/NIR Fluorescent Probes. <i>Organic Letters</i> , 2019 , 21, 1037-1041 | 6.2 | 11 |
| 59 | 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 |

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| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 - International Edition</i> , 2018 , 57, 9108-9112 | 16.4 | 32 |
| 42 | 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 |
| 41 | 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 |

- 40 Oxidative C-H/C-H Coupling Reactions between Two (Hetero)arenes. *Chemical Reviews*, **2017**, 117, 8787-8863 725
- 39 High-Performance Ruthenium Sensitizers Containing Imidazolium Counterions for Efficient Dye Sensitization in Water. *ChemSusChem*, **2017**, 10, 2914-2921 8.3 4
- 38 An Effective Strategy to Construct Highly Efficient Deep-Blue Organic Light-Emitting Field-Effect Transistors. *Advanced Materials Interfaces*, **2017**, 4, 1700453 4.6 9
- 37 Spiral growth mode in DMDPC organic thin film transistors by physical vapor deposition. *RSC Advances*, **2016**, 6, 50770-50775 3.7 3
- 36 Porphyrins with intense absorptivity: highly efficient sensitizers with a photovoltaic efficiency of up to 10.7% without a cosensitizer and a coabsorbate. *Journal of Materials Chemistry A*, **2016**, 4, 11829-11834 12.4 45
- 35 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. *Chemical Communications*, **2016**, 52, 3635-8 5.8 45
- 34 An air-stable half-sandwich Ru(II) complex as an efficient catalyst for [3+2] annulation of 2-arylcyclo-2-enones with alkynes. *Chemical Communications*, **2016**, 52, 4613-6 5.8 21
- 33 Unparalleled Ease of Access to a Library of Biheteroaryl Fluorophores via Oxidative Cross-Coupling Reactions: Discovery of Photostable NIR Probe for Mitochondria. *Journal of the American Chemical Society*, **2016**, 138, 4730-8 16.4 138
- 32 Palladium-Catalyzed Annulation of Internal Alkynes: Direct Access to π Conjugated Ullazines. *Organic Letters*, **2016**, 18, 2876-9 6.2 30
- 31 Molecular Engineering of Mechanochromic Materials by Programmed C-H Arylation: Making a Counterpoint in the Chromism Trend. *Journal of the American Chemical Society*, **2016**, 138, 12803-12812 16.4 152
- 30 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. *Chemical Communications*, **2015**, 51, 6337-9 5.8 24
- 29 Molecular design of new organic sensitizers based on thieno[1,4]benzothiazine for dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 56865-56871 3.7 6
- 28 Rhodium(III)-Catalyzed ortho C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to π Conjugated Poly-heterocycles. *Angewandte Chemie - International Edition*, **2015**, 54, 7167-70 16.4 106
- 27 Rh(III)-catalyzed decarboxylative ortho-heteroarylation of aromatic carboxylic acids by using the carboxylic acid as a traceless directing group. *Organic Letters*, **2015**, 17, 1762-5 6.2 107
- 26 Oxygen as an oxidant in palladium/copper-cocatalyzed oxidative C-H/C-H cross-coupling between two heteroarenes. *Science China Chemistry*, **2015**, 58, 1292-1296 7.9 14
- 25 Coordinating activation strategy for C(sp³)-H/C(sp³)-H cross-coupling to access β aromatic β amino acids. *Nature Communications*, **2015**, 6, 8404 17.4 60
- 24 Novel Ruthenium Sensitizers with a Phenothiazine Conjugated Bipyridyl Ligand for High-Efficiency Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 27831-7 9.5 37
- 23 Rhodium(III)-Catalyzed ortho-Heteroarylation of Phenols through Internal Oxidative C-H Activation: Rapid Screening of Single-Molecular White-Light-Emitting Materials. *Angewandte Chemie*, **2015**, 127, 14214-14218 3.6 29

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| 22 | 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 |
| 21 | 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 |
| 20 | 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</i> , 2015 , 127, 7273-7276 | 3.6 | 31 |
| 19 | 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 |
| 18 | Cation π -Anion Interaction-Directed Molecular Design Strategy for Mechanochromic Luminescence. <i>Advanced Functional Materials</i> , 2014 , 24, 747-753 | 15.6 | 56 |
| 17 | Synthesis of Water-Soluble Cyclen-Functionalised Fullerene C ₆₀ Derivatives. <i>Journal of Chemical Research</i> , 2014 , 38, 251-253 | 0.6 | |
| 16 | Luminescent Materials: Cation π -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 | |
| 15 | Chelation-assisted Rh(III)-catalyzed C ₂ -selective oxidative C _H /C _H cross-coupling of indoles/pyrroles with heteroarenes. <i>Chemical Science</i> , 2013 , 4, 1964 | 9.4 | 123 |
| 14 | Rhodium or Ruthenium-Catalyzed Oxidative C-H/C-H Cross-Coupling: Direct Access to Extended π -Conjugated Systems. <i>Angewandte Chemie</i> , 2013 , 125, 608-612 | 3.6 | 62 |
| 13 | 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 |
| 12 | 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 |
| 11 | Pd-catalyzed oxidative C _H /C _H cross-coupling of pyridines with heteroarenes. <i>Chemical Science</i> , 2013 , 4, 2163 | 9.4 | 102 |
| 10 | Palladium-catalyzed C _H activation of anilides at room temperature: ortho-arylation and acetoxylation. <i>RSC Advances</i> , 2013 , 3, 9649 | 3.7 | 52 |
| 9 | Ligand-switching and counteranion-induced hierarchical self-assembly of silver-NHC complexes. <i>Chemical Science</i> , 2012 , 3, 359-363 | 9.4 | 32 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |

- 4 Biomimetic crystallization of calcium carbonate spherules controlled by hyperbranched polyglycerols. *Journal of Materials Chemistry*, **2008**, 18, 2789 18
- 3 Crystal Water of Cadmium Acetate-Dependent Formation of One-Dimensional Channel Structure Based on 4,4'-bis(1-Imidazolyl)biphenyl. *Crystal Growth and Design*, **2008**, 8, 3134-3136 3.5 43
- 2 From Mono-Triazolium Salt to Bis-Triazolium Salt: Improvement of the Asymmetric Intermolecular Benzoin Condensation. *Advanced Synthesis and Catalysis*, **2008**, 350, 2645-2651 5.6 78
- 1 Self-Assembled Bifunctional Catalysis Induced by Metal Coordination Interactions: An Exceptionally Efficient Approach to Enantioselective Hydrophosphonylation. *Angewandte Chemie*, **2008**, 120, 5728-5731⁶ 25