

# Transition-Metal-Catalyzed Cross-Couplings through C

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Citation Report

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Rhodium-catalyzed NH-indole-directed ortho C-H coupling of 2-arylindoles with diazo compounds via metal carbene migratory insertion. <i>Tetrahedron Letters</i> , 2018, 59, 1568-1572.   | 1.4  | 15        |
| 2  | C-H Alkynylation of N-Methylisoquinolone by Rhodium or Gold Catalysis: Theoretical Studies on the Mechanism, Regioselectivity, and Role of TIPS-EBX. <i>Organometallics</i> , 2018, 37, 1026-1033.   | 2.3  | 16        |
| 3  | C4-H indole functionalisation: precedent and prospects. <i>Chemical Science</i> , 2018, 9, 4203-4216.  | 7.4  | 138       |
| 4  | Recent advances in transition-metal-catalyzed asymmetric reactions of diazo compounds with electron-rich (hetero-) arenes. <i>Tetrahedron Letters</i> , 2018, 59, 2307-2316.   | 1.4  | 56        |
| 5  | Effiziente Synthese von arylierten Furanen durch sequentielle Rhodium-katalysierte Arylierung und Cycloisomerisierung von Cyclopropenen. <i>Angewandte Chemie</i> , 2018, 130, 1728-1732.  | 2.0  | 18        |
| 6  | Mechanisms of Rh-Catalyzed Oxyfluorination and Oxytrifluoromethylation of Diazocarbonyl Compounds with Hypervalent Fluoroiodine. <i>ACS Catalysis</i> , 2018, 8, 4483-4492.  | 11.2 | 35        |
| 7  | Rh <sup>III</sup> -Catalyzed Direct C8-Arylation of Quinoline N-Oxides using Diazonaphthalene-2(1H)-ones: A Practical Approach towards 8-BINOL. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2388-2392.                                   | 3.3  | 40        |
| 8  | Cross-Coupling of Phenol Derivatives with Umpolung Aldehydes Catalyzed by Nickel. <i>ACS Catalysis</i> , 2018, 8, 4622-4627.   | 11.2 | 55        |
| 9  | Cu(II)/Ag(I)-Catalyzed Cascade Reaction of Sulfonylhydrazone with Anthranils: Synthesis of 2-Aryl-3-sulfonyl Substituted Quinoline Derivatives. <i>Organic Letters</i> , 2018, 20, 2204-2207.  | 4.6  | 55        |
| 10 | Palladium-Catalyzed Carbene Migratory Insertion and Trapping with Sulfinic Acid Salts toward Allylic Sulfones. <i>Journal of Organic Chemistry</i> , 2018, 83, 4762-4768.  | 3.2  | 21        |
| 11 | Iridium-Catalyzed Tandem Cyclization of Benzoylacetonitriles with Diazo Compounds Leading to Substituted Naphtho[1,8-bc]pyrans by Sequential C-H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2272-2279.          | 4.3  | 32        |
| 12 | NHC Pd(II) and Ag(I) Complexes: Synthesis, Structure, and Catalytic Activity in Three Types of C-C Coupling Reactions. <i>ACS Omega</i> , 2018, 3, 4035-4047.  | 3.5  | 22        |
| 13 | Formal Carbene Insertion into C=O or C=N Bond: An Efficient Strategy for the Synthesis of 2-Substituted 2-H-Chromene Derivatives from Chromene Acetals or Hemiaminal Ethers. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2446-2452. | 4.3  | 17        |
| 14 | Rhodium(III)-Catalyzed Regioselective Direct C4-Alkylation and C2-Annulation of Indoles: Straightforward Access to Indolopyridone. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1426-1436.                                     | 2.4  | 35        |
| 15 | Enantioselective Trapping of Oxonium Ylides by 3-Hydroxyisoindolinones via a Formal S <sub>N</sub> 1 Pathway for Construction of Contiguous Quaternary Stereocenters. <i>Organic Letters</i> , 2018, 20, 983-986.                            | 4.6  | 54        |
| 16 | Pushing Electrons—Which Carbene Ligand for Which Application?. <i>Organometallics</i> , 2018, 37, 275-289.   | 2.3  | 199       |
| 17 | Palladium-Catalyzed Oxygenative Cross-Coupling of Ynamides and Benzyl Bromides by Carbene Migratory Insertion. <i>Angewandte Chemie</i> , 2018, 130, 2746-2750.  | 2.0  | 14        |
| 18 | Palladium-Catalyzed Oxygenative Cross-Coupling of Ynamides and Benzyl Bromides by Carbene Migratory Insertion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2716-2720.   | 13.8 | 49        |

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| 20 | Nickel(0)-Catalyzed Inert C–O Bond Functionalization: Organo Rare-Earth Metal Complex as the Coupling Partner. <i>Organic Letters</i> , 2018, 20, 624-627.  | 4.6  | 11        |
| 21 | Copper catalyzed oxidative coupling of ortho-vinylanilines with N-tosylhydrazones: Efficient synthesis of polysubstituted quinoline derivatives. <i>Journal of Catalysis</i> , 2018, 363, 102-108.  | 6.2  | 16        |
| 22 | Cu(I)-Catalyzed Coupling of Bis(trimethylsilyl)diazomethane with Terminal Alkynes: A Synthesis of 1,1-Disilyl Allenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 6186-6192.   | 3.2  | 21        |
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| 25 | Gold( <sup>III</sup> )-catalyzed cycloisomerization of <i>ortho</i> -(alkynyl) styrenes: DFT analysis of the crucial role of SbF <sub>6</sub> <sup>−</sup> in the elimination of protons. <i>Catalysis Science and Technology</i> , 2018, 8, 2441-2448. | 4.1  | 18        |
| 26 | Rhodium(III)-Catalyzed Imido C–H Activation for Annulations to Azolopyrimidines. <i>Organic Letters</i> , 2018, 20, 2464-2467.  | 4.6  | 93        |
| 27 | Rhodium( <sup>III</sup> )-catalyzed CF <sub>3</sub> -carbenoid C–H functionalization of 6-arylpurines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2966-2974.   | 2.8  | 21        |
| 28 | Chiral proton-transfer shuttle catalysts for carbene insertion reactions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3087-3094.  | 2.8  | 160       |
| 29 | Palladium-Catalyzed Intermolecular Acylation of Aryl Diazoesters with <i>ortho</i> -Bromobenzaldehydes. <i>Angewandte Chemie</i> , 2018, 130, 325-329.  | 2.0  | 13        |
| 30 | Palladium-Catalyzed Intermolecular Acylation of Aryl Diazoesters with <i>ortho</i> -Bromobenzaldehydes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 319-323.   | 13.8 | 46        |
| 31 | Palladium-catalyzed olefination of aryl/alkyl halides with trimethylsilyldiazomethane <i>via</i> carbene migratory insertion. <i>Chemical Communications</i> , 2018, 54, 12994-12997.   | 4.1  | 7         |
| 32 | Iridium-catalyzed [4 + 2] annulation of 1-arylindazolones with $\lambda$ -diazo carbonyl compounds: access to indazolone-fused cinnolines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8585-8595.   | 2.8  | 25        |
| 33 | Regioselective copper-catalyzed aminoborylation of styrenes with bis(pinacolato)diboron and diazo compounds. <i>Chemical Communications</i> , 2018, 54, 12266-12269.  | 4.1  | 16        |
| 34 | CF <sub>3</sub> -Carbenoid functionalization of N-(pyrimidin-2-yl)indole catalyzed by cobalt complexes: Ligand control of selectivity. <i>Mendeleev Communications</i> , 2018, 28, 359-361.   | 1.6  | 13        |
| 35 | Selective Chain-End Functionalization of Polar Polyethylenes: Orthogonal Reactivity of Carbene and Polar Vinyl Monomers in Their Copolymerization with Ethylene. <i>Journal of the American Chemical Society</i> , 2018, 140, 15635-15640.              | 13.7 | 52        |
| 36 | Piano-Stool Rhodium Enalcarbenoids: Application to Catalyst-Controlled Metal-Templated Annulations of Diazoenals and 1,3-Dicarbonyls. <i>ACS Catalysis</i> , 2018, 8, 11807-11814.  | 11.2 | 9         |

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| 37 | Ru(II)/Ir(III)-Catalyzed C-H Bond Activation/Annulation of Cyclic Amides with 1,3-Diketone-2-diazo Compounds: Facile Access to 8-H-Isoquinolino[1,2-b]quinazolin-8-ones and Phthalazino[2,3-a]cinnoline-8,13-diones. ACS Omega, 2018, 3, 14575-14584. | 3.5 | 22        |
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| 39 | Tandem Reaction of Allenolate Formation and Cyclization: Divergent Synthesis of Four- to Six-Membered Heterocycles. Organic Letters, 2018, 20, 7708-7711.   | 4.6 | 19        |
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| 41 | Cu(I)-Catalyzed Cross-Coupling of Diazo Compounds with Terminal Alkynes: An Efficient Access to Allenes. Chemical Record, 2018, 18, 1548-1559.  | 5.8 | 43        |
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| 43 | Transition-metal-free radical cleavage of a hydrazonyl N-S bond: tosyl radical-initiated cascade C(sp <sup>3</sup> )-OAr cleavage, sulfonyl rearrangement and atropisomeric cyclopropanation. Organic Chemistry Frontiers, 2018, 5, 3567-3573.        | 4.5 | 12        |
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| 50 | Copper-Catalyzed Intramolecular Annulation of Conjugated Enynones to Substituted 1-H-Indenes and Mechanistic Studies. Journal of Organic Chemistry, 2018, 83, 13243-13255.  | 3.2 | 26        |
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| 52 | Palladium-catalyzed heck-type cascade cyclization of (Z)-1-iodo-1,6-dienes with N-tosyl hydrazones. Organic and Biomolecular Chemistry, 2018, 16, 7356-7360.  | 2.8 | 7         |
| 53 | Dual Gold-Catalyzed Formal Tetrahydro-Diels-Alder Reactions for the Synthesis of Carbazoles and Indolines. Chemistry - A European Journal, 2018, 24, 17911-17914.   | 3.3 | 26        |
| 54 | Mechanisms of Rh-Catalyzed Oxyaminofluorination and Oxyaminotrifluoromethylthiolation of Diazocarbonyl Compounds with Electrophilic Reagents. Organic Letters, 2018, 20, 6646-6649.   | 4.6 | 20        |

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| 56 | Catalyst-Controlled Regioselective Acylation of $\beta^2$ -Ketoesters with $\beta^1$ -Diazo Ketones Induced by Visible Light. <i>Organic Letters</i> , 2018, 20, 7278-7282.   | 4.6  | 31        |
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| 58 | Bimetallic Rhodium(II)/Indium(III) Relay Catalysis for Tandem Insertion/Asymmetric Claisen Rearrangement. <i>Angewandte Chemie</i> , 2018, 130, 16792-16796.  | 2.0  | 20        |
| 59 | Bimetallic Rhodium(II)/Indium(III) Relay Catalysis for Tandem Insertion/Asymmetric Claisen Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16554-16558.   | 13.8 | 61        |
| 60 | Chiral Lewis Acid Catalyzed Reactions of $\beta^1$ -Diazoester Derivatives: Construction of Dimeric Polycyclic Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16176-16179.   | 13.8 | 23        |
| 61 | Palladium(0)-catalyzed C(sp <sup>3</sup> )–Si bond formation <i>via</i> formal carbene insertion into a Si–H bond. <i>Chemical Communications</i> , 2018, 54, 11419-11422.  | 4.1  | 30        |
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| 66 | Cp*Co(III)-Catalyzed C–H Acylmethylation of Arenes by Employing Sulfoxonium Ylides as Carbene Precursors. <i>Organic Letters</i> , 2018, 20, 5981-5984.   | 4.6  | 87        |
| 67 | One-Pot C–H Formylation Enabled by Relay Catalysis of Manganese(I) and Iron(III). <i>ACS Catalysis</i> , 2018, 8, 10036-10042.  | 11.2 | 35        |
| 68 | Ruthenium(II)-catalyzed synthesis of indazolone-fused cinnolines <i>via</i> C–H coupling with diazo compounds. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7236-7244.   | 2.8  | 35        |
| 69 | Selective C(sp <sup>3</sup> )–H Bond Insertion in Carbene/Alkyne Metathesis Reactions. Enantioselective Construction of Dihydroindoles. <i>ACS Catalysis</i> , 2018, 8, 9543-9549.  | 11.2 | 48        |
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| 73 | AIBN-Promoted Synthesis of Bibenzo[ <i>b</i> ][1,4]thiazines by the Condensation of 2,2-Dithiodianiline with Methyl Aryl Ketones. <i>Organic Letters</i> , 2018, 20, 3332-3336.                                      | 4.6  | 25        |
| 74 | Asymmetric Three-Component Reaction for the Synthesis of Tetrasubstituted Allenates via Allenate-Copper Intermediates. <i>Chem</i> , 2018, 4, 1658-1672.   | 11.7 | 74        |
| 75 | Mn I /Ag I Kaskadenkatalyse: spurlose diazoassistierte C(sp <sup>2</sup> )-H/C(sp <sup>3</sup> )-H-Kupplung für (Hetero)aryl- und Alkenylketone. <i>Angewandte Chemie</i> , 2018, 130, 10892-10896.                  | 2.0  | 14        |
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| 78 | Two Amphoteric Silver Carbene Clusters. <i>Angewandte Chemie</i> , 2018, 130, 8221-8226.   | 2.0  | 11        |
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| 81 | Synthesis of Heterocyclic Compounds Based on Transition-Metal-Catalyzed Carbene Coupling Reactions. , 2018, , 129-191.   |      | 1         |
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| 83 | Ru (II)-Catalyzed Coupling-Cyclization of Sulfoximines with $\alpha$ -Carbonyl Sulfoxonium Ylides as an Approach to 1,2-Benzothiazines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3534-3543.              | 4.3  | 80        |
| 84 | Copper-catalyzed C-N coupling reaction of tosylhydrazones. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4483.  | 3.5  | 9         |
| 85 | Gold(I)-Catalyzed Dimerization of $\alpha$ -Diazooxindoles towards Isoindigos. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4475-4478.   | 2.4  | 20        |
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| 87 | Highly Chemo- and Stereoselective Catalyst-Controlled Allylic C-H Insertion and Cyclopropanation Using Donor/Donor Carbenes. <i>Angewandte Chemie</i> , 2018, 130, 12585-12589.                                      | 2.0  | 21        |
| 88 | Rh(III)-Catalyzed C-C Coupling of Diverse Arenes and 4-Acyl-1-sulfonyltriazoles via C-H Activation. <i>Organic Letters</i> , 2018, 20, 4946-4949.  | 4.6  | 32        |
| 89 | Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12048-12052.                                      | 13.8 | 125       |
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| 91  | Highly Chemo- and Stereoselective Catalyst-Controlled Allylic C-H Insertion and Cyclopropanation Using Donor/Donor Carbenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12405-12409.   | 13.8 | 83        |
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| 97  | Cu(I)-Catalyzed Coupling and Cycloisomerization of Diazo Compounds with Terminal Yne-Alkylidenecyclopropanes: Synthesis of Functionalized Cyclopenta[ <i>b</i> ]naphthalene Derivatives. <i>Organic Letters</i> , 2018, 20, 4516-4520.             | 4.6  | 17        |
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| 99  | Catalyst-Dependent Chemoselective Formal Insertion of Diazo Compounds into C-C or C-H Bonds of 1,3-dicarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8927-8931.   | 13.8 | 93        |
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| 101 | Two Amphoteric Silver Carbene Clusters. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8089-8094.  | 13.8 | 31        |
| 102 | Rh(III)-Catalyzed Phosphine Oxide Migration Reactions: Selective Synthesis of $\alpha$ -Phosphinoylindoles. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2401-2404.   | 3.3  | 4         |
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|-----|---|------|-----------|
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