

Ni-Catalyzed Sonogashira Coupling of Nonactivated Alkyl Iodides, Bromides, and Chlorides

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Synthesis and characterization of a polymer-anchored palladium(II) Schiff base complex and its catalytic efficiency in phosphine-free Sonogashira coupling reactions. <i>Transition Metal Chemistry</i> , 2010, 35, 305-313.	0.7	14
7	Copper-catalyzed Cross-Coupling of Alkyl and Aryl Grignard Reagents with Alkynyl Halides. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1278-1281.	7.2	108
8	The Nickel/Copper-catalyzed Direct Alkylation of Heterocyclic C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3061-3064.	7.2	188
9	Metal-Mediated Oxidative Cross-Coupling of Terminal Alkynes: A Promising Strategy for Alkyne Synthesis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9566-9568.	7.2	51
10	Negishi Alkyl-Aryl Cross-Coupling Catalyzed by Rh: Efficiency of Novel Tripodal 3-Diphenylphosphino-2-(diphenylphosphino)methyl-2-methylpropyl Acetate Ligand. <i>Organic Letters</i> , 2010, 12, 1692-1695.	2.4	30
11	Why Are (NN) ₂ Ni Pincer Complexes Active for Alkyl-Alkyl Coupling: β -H Elimination Is Kinetically Accessible but Thermodynamically Uphill. <i>Organometallics</i> , 2010, 29, 3686-3689.	1.1	76
12	Pd-Catalyzed Domino Synthesis of Internal Alkynes Using Triarylbiaryls as Multicoupling Organometallic Nucleophiles. <i>Organic Letters</i> , 2010, 12, 2048-2051.	2.4	101
13	Copper-catalyzed decarboxylative cross-coupling of alkynyl carboxylic acids with aryl halides. <i>Chemical Communications</i> , 2010, 46, 9049.	2.2	119
14	Copper(I) Iodide Polyphosphine Adducts at Low Loading for Sonogashira Alkynylation of Demanding Halide Substrates: Ligand Exchange Study between Copper and Palladium. <i>Organometallics</i> , 2010, 29, 2815-2822.	1.1	47
15	Advances in Transition Metal (Pd,Ni,Fe)-Catalyzed Cross-Coupling Reactions Using Alkyl-organometallics as Reaction Partners. <i>Chemical Reviews</i> , 2011, 111, 1417-1492.	23.0	1,876
16	Des Palladiums kleiner Bruder: Neues aus der Nickel-Katalyse. <i>Nachrichten Aus Der Chemie</i> , 2011, 59, 40-43.	0.0	3
17	Pd, Pt, and Ru complexes of a pincer bis(amino)amide ligand. <i>Dalton Transactions</i> , 2011, 40, 8906.	1.6	18
18	Nickel-catalyzed cross coupling of non-activated alkyl halides: a mechanistic perspective. <i>Chemical Science</i> , 2011, 2, 1867.	3.7	507
20	Hydroalumination of silylacetylenes: a novel and highly stereoselective synthesis of (E)-telluro(silyl)ketene acetals and their applications in Sonogashira cross-coupling reactions. <i>Tetrahedron Letters</i> , 2011, 52, 6067-6071.	0.7	7
21	Recent advances in Sonogashira reactions. <i>Chemical Society Reviews</i> , 2011, 40, 5084.	18.7	1,308
22	Radicals in Transition Metal Catalyzed Reactions? Transition Metal Catalyzed Radical Reactions?: A Fruitful Interplay Anyway. <i>Topics in Current Chemistry</i> , 2011, 320, 323-451.	4.0	79
23	[Cu(acac) ₂] \cdot 2H ₂ O-catalyzed Sonogashira-type Couplings of Aryl Halides and Terminal Alkynes. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1325-1330.	1.7	29
24	Copper-catalyzed Three-Component Coupling of Terminal Alkyne, Dihalomethane and Amine to Propargylic Amines. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 163-169.	2.1	48

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25	Domino Sonogashira Coupling/Cyclization Reaction Catalyzed by Copper and ppb Levels of Palladium: A Concise Route to Indoles and Benzo[<i>b</i>]furans. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 713-718.	2.1	79
30	Highly Diastereoselective C(sp ³)–C(sp) Cross-Coupling Reactions between 1,3- and 1,4-Substituted Cyclohexylzinc Reagents and Bromoalkynes through Remote Stereocontrol. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2174-2177.	7.2	68
31	Differentiating C–Br and C–Cl Bond Activation by Using Solvent Polarity: Applications to Orthogonal Alkyl–Alkyl Negishi Reactions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3896-3899.	7.2	64
32	Tuning Chemoselectivity in Iron-Catalyzed Sonogashira-Type Reactions Using a Bisphosphine Ligand with Peripheral Steric Bulk: Selective Alkynylation of Nonactivated Alkyl Halides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10973-10976.	7.2	139
33	Cross-Coupling of Nonactivated Alkyl Halides with Alkynyl Grignard Reagents: A Nickel Pincer Complex as the Catalyst. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11777-11781.	7.2	108
34	Nickel-catalyzed cross-coupling of primary alkyl halides with phenylethynyl- and trimethylsilyethynyllithium reagents. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3011-3014.	0.8	22
36	C(sp)–C(sp ³) Bond Formation through Cu-Catalyzed Cross-Coupling of <i>N</i> -Tosylhydrazones and Trialkylsilylethyne. <i>Journal of the American Chemical Society</i> , 2012, 134, 5742-5745.	6.6	177
37	Synthesis and electronic properties of a pentafluoroethyl-derivatized nickel pincer complex. <i>Dalton Transactions</i> , 2012, 41, 7915.	1.6	23
38	Silver-Catalyzed Decarboxylative Alkynylation of Aliphatic Carboxylic Acids in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2012, 134, 14330-14333.	6.6	315
39	Copper-Catalyzed Alkylation of Benzoxazoles with Secondary Alkyl Halides. <i>Organic Letters</i> , 2012, 14, 1748-1751.	2.4	80
40	Synthesis, Reactivity, and Catalytic Application of a Nickel Pincer Hydride Complex. <i>Organometallics</i> , 2012, 31, 2128-2136.	1.1	91
41	Metalation of Pyrazoles and Indazoles. <i>Topics in Heterocyclic Chemistry</i> , 2012, , 155-260.	0.2	13
42	Enyne synthesis through a modified Sonogashira cross-coupling reaction catalyzed by cyclopalladated complexes. <i>Tetrahedron</i> , 2012, 68, 376-381.	1.0	20
43	Ni(II) and Pd(II) organometallic and coordination complexes with a new tridentate N,N,O-donor ligand. <i>Polyhedron</i> , 2012, 40, 11-18.	1.0	3
44	Nickel-Catalyzed Cross-Coupling with Pincer Ligands. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 901-911.	1.0	77
45	Formal \hat{I}^3 -alkynylation of ketones via Pd-catalyzed C–C cleavage. <i>Chemical Communications</i> , 2013, 49, 4286-4288.	2.2	64
46	Periodic mesoporous silica-supported Ni(II) organometallic complex as an active and reusable nanocatalyst for water-medium Sonogashira coupling reaction. <i>Applied Organometallic Chemistry</i> , 2013, 27, 512-518.	1.7	8
47	Cross-Coupling Reactions. , 2013, , 47-77.		3

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48	Bond Activation and Catalysis. , 2013, , 399-432.		4
50	Nickel-Catalyzed Sonogashira Reactions of Non-activated Secondary Alkyl Bromides and Iodides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12409-12413.	7.2	125
51	From Bis(silylene) and Bis(germylene) Pincer-Type Nickel(II) Complexes to Isolable Intermediates of the Nickel-Catalyzed Sonogashira Cross-Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 15617-15626.	6.6	232
52	Palladium-Catalyzed Methylation of Alkynyl C(sp) ³ -H Bonds with Dimethyl Sulfonium Ylides. <i>Journal of Organic Chemistry</i> , 2013, 78, 10421-10426.	1.7	32
53	Recent Advances in Cross-Coupling Reactions with Alkyl Halides. <i>Lecture Notes in Quantum Chemistry II</i> , 2013, , 203-229.	0.3	10
54	2-(1-Benzotriazolyl)pyridine: A Robust Bidentate Ligand for the Palladium-Catalyzed C-C (Suzuki, Heck,) Tj ETQq1 1 0.784314 Catalysis, 2013, 355, 421-438.	2.1	38
55	A Five-Coordinate Nickel(II) Fluoroalkyl Complex as a Precursor to a Spectroscopically Detectable Ni(III) Species. <i>Journal of the American Chemical Society</i> , 2013, 135, 8141-8144.	6.6	116
56	Rhodium(I)-Catalyzed Arylation of α -Chloro Ketones and Related Derivatives through Domino Dehydrochlorination/ Conjugate Addition. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1874-1880.	2.1	26
57	An Alternative Role for Acetylenes: Activation of Fluorobenzenes toward Nucleophilic Aromatic Substitution. <i>Journal of Organic Chemistry</i> , 2013, 78, 5987-5998.	1.7	40
58	Transition-Metal-Free Sonogashira-Type Cross-Coupling of Alkynes with Fluoroarenes. <i>Organic Letters</i> , 2013, 15, 3114-3117.	2.4	44
59	C-Cl Activation by Group IV Metal Oxides in Solid Argon Matrixes: Matrix Isolation Infrared Spectroscopy and Theoretical Investigations of the Reactions of MO _x (M = Ti, Zr;) Tj ETQq0 0 OrgBT /Overlock 10 TF		
60	Synthesis of esters from aldehydes or carboxylic acids with dichloromethane, dichloroethane or dichloropropane under mild conditions. <i>RSC Advances</i> , 2013, 3, 20246.	1.7	11
63	Poly(vinylpyridine)-Grafted Silica Containing Palladium or Nickel Nanoparticles as Heterogeneous Catalysts for the Sonogashira Coupling Reaction. <i>ChemPlusChem</i> , 2014, 79, 1767-1773.	1.3	9
64	Copper-Catalyzed Oxidative Homo- and Cross-Coupling of Grignard Reagents Using Diaziridinone. <i>Organic Letters</i> , 2014, 16, 6144-6147.	2.4	36
65	Copper-Catalyzed Aerobic Oxidative Transformation of Ketone-Derived α -Tosyl Hydrazones: An Entry to Alkynes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14485-14489.	7.2	74
67	{Cu ²⁺ -Co ³⁺ -Cu ²⁺ } and {Cu ²⁺ -Fe ³⁺ -Cu ²⁺ } Heterobimetallic Complexes and Their Catalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2113-2123.	1.0	32
69	Mild and Phosphine-Free Iron-Catalyzed Cross-Coupling of Nonactivated Secondary Alkyl Halides with Alkynyl Grignard Reagents. <i>Organic Letters</i> , 2014, 16, 2566-2569.	2.4	83
70	Alkylation of Terminal Alkynes with Transient η -Alkylpalladium(II) Complexes: A Carboalkynylation Route to Alkyl-Substituted Alkynes. <i>Chemistry - A European Journal</i> , 2014, 20, 1843-1846.	1.7	70

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71	Recent advances in homogeneous nickel catalysis. <i>Nature</i> , 2014, 509, 299-309.	13.7	1,780
72	The copper-free Sonogashira cross-coupling reaction promoted by palladium complexes of nitrogen-containing chelating ligands in neat water at room temperature. <i>Dalton Transactions</i> , 2014, 43, 2098-2103.	1.6	32
73	[CNN]-pincer nickel(Ni^{II}) complexes of N-heterocyclic carbene (NHC): synthesis and catalysis of the Kumada reaction of unactivated $\text{C}-\text{Cl}$ bonds. <i>Dalton Transactions</i> , 2014, 43, 9410-9413.	1.6	32
74	Catalytic Sonogashira couplings mediated by an amido pincer complex of palladium. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 405.	3.0	23
75	Nickel-catalyzed substitution reactions of propargyl halides with organotitanium reagents. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7634-7642.	1.5	29
76	Rhodium-catalyzed Direct Oxidative $\text{C}-\text{H}$ Acylation of 2-Arylpyridines with Terminal Alkynes: A Synthesis of Pyrido[2,1- <i>b</i>]isoindoles. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3295-3301.	2.1	19
77	Cobalt-catalyzed Cross-coupling of Organozinc Halides with Bromoalkynes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2937-2942.	2.1	38
78	Synthesis and Characterization of a Family of POCOP Pincer Complexes with Nickel: Reactivity Towards CO_2 and Phenylacetylene. <i>Chemistry - A European Journal</i> , 2014, 20, 11894-11902.	1.7	65
79	Synthesis of Internal Alkynes by $\text{Pd}(\text{PPh}_3)_4/\text{TMEDA}$ -catalyzed Kumada Cross-coupling of Alkynyl Halides with Grignard Reagents. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6769-6773.	1.2	9
80	Synthesis and characterisation of new PCsp ³ P-supported nickel complexes. <i>Journal of Organometallic Chemistry</i> , 2014, 759, 15-18.	0.8	15
81	A Mild Ni/Cu-Catalyzed Silylation via $\text{C}-\text{O}$ Cleavage. <i>Journal of the American Chemical Society</i> , 2014, 136, 2236-2239.	6.6	194
82	Radical-Mediated $\text{C}-\text{H}$ Bond Activation. , 2015, , 34-71.		1
83	Iron-catalyzed Suzuki-Miyaura Coupling Reaction of Unactivated Alkyl Halides with Lithium Alkynylborates. <i>Chemistry Letters</i> , 2015, 44, 486-488.	0.7	32
85	Chemoselective Alkene Hydrosilylation Catalyzed by Nickel Pincer Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14523-14526.	7.2	248
86	Rhodium(I)-catalyzed Sequential $\text{C}(\text{sp})-\text{C}(\text{sp}^3)$ and $\text{C}(\text{sp}^3)-\text{C}(\text{sp}^3)$ Bond Formation through Migratory Carbene Insertion. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7891-7894.	7.2	67
87	Rhodium(I)-catalyzed Sequential $\text{C}(\text{sp})-\text{C}(\text{sp}^3)$ and $\text{C}(\text{sp}^3)-\text{C}(\text{sp}^3)$ Bond Formation through Migratory Carbene Insertion. <i>Angewandte Chemie</i> , 2015, 127, 8002-8005.	1.6	11
88	Methionine: a green and efficient promoter for copper-catalyzed Sonogashira cross-coupling reactions. <i>Applied Organometallic Chemistry</i> , 2015, 29, 787-792.	1.7	9
89	Recyclable and reusable $\text{NiCl}_2(\text{PPh}_3)_2/\text{CuI}/\text{PEG}400/\text{H}_2\text{O}$ system for the sonogashira coupling reaction of aryl iodides with alkynes. <i>Applied Organometallic Chemistry</i> , 2015, 29, 846-849.	1.7	10

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90	Nickel-Catalyzed Direct Alkylation of Terminal Alkynes at Room Temperature: A Hemilabile Pincer Ligand Enhances Catalytic Activity. <i>ACS Catalysis</i> , 2015, 5, 1164-1171.	5.5	80
91	MCM-41-immobilized Schiff base-pyridine bidentate copper(I) complex as a highly efficient and recyclable catalyst for the Sonogashira reaction. <i>Journal of Organometallic Chemistry</i> , 2015, 797, 21-28.	0.8	24
92	New Chemistry with Anionic NNN Pincer Ligands. <i>Topics in Organometallic Chemistry</i> , 2015, , 179-208.	0.7	15
93	Modulating Sonogashira Cross-Coupling Reactivity in Four-Coordinate Nickel Complexes by Using Geometric Control. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2139-2144.	1.0	22
94	Nickel-Catalyzed Alkynylation of a C(sp ²)-H Bond Directed by an 8-Aminoquinoline Moiety. <i>Journal of Organic Chemistry</i> , 2015, 80, 6213-6221.	1.7	90
95	Empowering a transition-metal-free coupling between alkyne and alkyl iodide with light in water. <i>Nature Communications</i> , 2015, 6, 6526.	5.8	125
96	Assemblies of Copper Ferrite and Palladium Nanoparticles on Silica Microparticles as a Magnetically Recoverable Catalyst for Sonogashira Reaction under Mild Conditions. <i>ChemPlusChem</i> , 2015, 80, 973-979.	1.3	37
97	A copper-free Sonogashira reaction using nickel ferrite as catalyst in water. <i>Catalysis Communications</i> , 2015, 60, 82-87.	1.6	37
98	Visible-light-induced chemoselective reductive decarboxylative alkynylation under biomolecule-compatible conditions. <i>Chemical Communications</i> , 2015, 51, 5275-5278.	2.2	152
99	The new breed of cutting-edge catalysts. <i>Nature</i> , 2016, 537, 156-158.	13.7	14
100	Total Synthesis, Stereochemical Assignment, and Field-Testing of the Sex Pheromone of the Strepsipteran <i>Xenos peckii</i> . <i>Chemistry - A European Journal</i> , 2016, 22, 6190-6193.	1.7	11
101	Cu-Catalyzed Alkynylation of Unactivated C(sp ³)-X Bonds with Terminal Alkynes through Directing Strategy. <i>Organic Letters</i> , 2016, 18, 2040-2043.	2.4	42
102	Ni-Catalyzed C-C Couplings Using Alkyl Electrophiles. <i>Topics in Current Chemistry</i> , 2016, 374, 66.	3.0	83
103	De novo protecting-group-free total synthesis of (+)-muricadienin, (+)-ancepsenolide and (+)-3-hexadecyl-5-methylfuran-2(5H)-one. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9072-9079.	1.5	16
104	Supported palladium nanoparticles: A general sustainable catalyst for microwave enhanced carbon-carbon coupling reactions. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 171-180.	4.8	25
105	Decarbonylative Silylation of Esters by Combined Nickel and Copper Catalysis for the Synthesis of Arylsilanes and Heteroarylsilanes. <i>Angewandte Chemie</i> , 2016, 128, 11989-11992.	1.6	33
106	Palladium-catalyzed dearomative arylalkynylation of indoles. <i>Chemical Communications</i> , 2016, 52, 13664-13667.	2.2	71
107	Inherent vs Apparent Chemoselectivity in the Kumada-Corriu Cross-Coupling Reaction. <i>Organic Letters</i> , 2016, 18, 5312-5315.	2.4	39

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108	Arylboration of 1-Arylalkenes by Cooperative Nickel/Copper Catalysis. <i>Organic Letters</i> , 2016, 18, 3956-3959.	2.4	84
109	A Novel Nickel Pincer Complex in the Active Site of Lactate Racemase. <i>ChemBioChem</i> , 2016, 17, 31-32.	1.3	19
110	Nickel-Catalyzed Decarbonylative Borylation and Silylation of Esters. <i>ACS Catalysis</i> , 2016, 6, 6692-6698.	5.5	169
111	Decarbonylative Silylation of Esters by Combined Nickel and Copper Catalysis for the Synthesis of Arylsilanes and Heteroarylsilanes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11810-11813.	7.2	121
112	A Structure-Activity Study of Nickel NNN Pincer Complexes for Alkyl Kumada and Suzuki-Miyaura Coupling Reactions. <i>Helvetica Chimica Acta</i> , 2016, 99, 830-847.	1.0	16
113	Square-planar Ni(II) thiosemicarbazonato complex as an easily accessible and convenient catalyst for Sonogashira cross-coupling reaction. <i>Tetrahedron Letters</i> , 2016, 57, 4893-4897.	0.7	20
114	Experimental and Mechanistic Exploration of Zn-Catalyzed Sonogashira-type Cross-Coupling Reactions. <i>ChemistrySelect</i> , 2016, 1, 3405-3412.	0.7	15
115	Multimetallic catalysed radical oxidative C(sp ³)-H/C(sp ³)-H cross-coupling between unactivated alkanes and terminal alkynes. <i>Nature Communications</i> , 2016, 7, 11676.	5.8	103
116	Copper(I) Acetylides. <i>Advances in Organometallic Chemistry</i> , 2016, , 93-141.	0.5	21
117	Transition-Metal-Free Coupling of Alkynes with β -Bromo Carbonyl Compounds: An Efficient Approach towards β -Alkynoates and Allenates. <i>Chemistry - A European Journal</i> , 2016, 22, 5888-5893.	1.7	37
118	Sonogashira coupling catalyzed by the Cu(Xantphos)I-Pd(OAc) ₂ system. <i>Tetrahedron Letters</i> , 2016, 57, 3137-3139.	0.7	20
119	Near-IR BODIPY Dyes À la Carte Programmed Orthogonal Functionalization of Rationally Designed Building Blocks. <i>Chemistry - A European Journal</i> , 2016, 22, 1048-1061.	1.7	45
120	From Dimethylamine to Pyrrolidine: The Development of an Improved Nickel Pincer Complex for Cross-Coupling of Nonactivated Secondary Alkyl Halides. <i>ACS Catalysis</i> , 2016, 6, 258-261.	5.5	40
122	N-Heterocyclic carbene copper-catalyzed direct alkylation of terminal alkynes with non-activated alkyl triflates. <i>Chemical Communications</i> , 2017, 53, 4124-4127.	2.2	33
123	Synthesis of new 2-substituted pyrazolo[5,1-b][1,3]oxazoles via Sonogashira coupling reactions in water. <i>Tetrahedron</i> , 2017, 73, 3281-3287.	1.0	23
124	N,N-Dimethylformamide-stabilized copper nanoparticles as a catalyst precursor for Sonogashira-Hagihara cross coupling. <i>RSC Advances</i> , 2017, 7, 22869-22874.	1.7	35
125	Amide to Alkyne Interconversion via a Nickel/Copper-Catalyzed Deamidative Cross-Coupling of Aryl and Alkenyl Amides. <i>Organic Letters</i> , 2017, 19, 3091-3094.	2.4	76
126	How Solvent Dynamics Controls the Schlenk Equilibrium of Grignard Reagents: A Computational Study of CH ₃ MgCl in Tetrahydrofuran. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4226-4237.	1.2	63

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127	Csp ³ Bond Formation via Iron(III)-Promoted Hydroalkynylation of Unactivated Alkenes. <i>Organic Letters</i> , 2017, 19, 1744-1747.	2.4	41
128	Nano-silica supported palladium catalyst: Synthesis, characterization and application of its activity in Sonogashira cross-coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2017, 853, 5-12.	0.8	23
129	Copper-Catalyzed Functionalized Tertiary-Alkylative Sonogashira Type Couplings via Copper Acetylide at Room Temperature. <i>ACS Catalysis</i> , 2017, 7, 6872-6876.	5.5	44
131	Reductive Decarboxylative Alkynylation of <i>N</i> -Hydroxyphthalimide Esters with Bromoalkynes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11901-11905.	7.2	116
132	Reductive Decarboxylative Alkynylation of <i>N</i> -Hydroxyphthalimide Esters with Bromoalkynes. <i>Angewandte Chemie</i> , 2017, 129, 12063-12067.	1.6	34
133	Copper-Catalyzed Decarboxylative Alkylation of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3720-3724.	2.1	34
134	Nickel-Catalyzed Oxidative Coupling of Unactivated C(sp ³)-H Bonds in Aliphatic Amides with Terminal Alkynes. <i>Organometallics</i> , 2017, 36, 18-21.	1.1	54
135	Cross-Coupling Reactions by Cooperative Metal Catalysis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2017, 75, 1133-1140.	0.0	4
136	Palladium-Catalyzed Domino Cyclization/Alkylation of Terminal Alkynes: Synthesis of Alkynyl-Functionalized Azaindoline Derivatives. <i>Organic Letters</i> , 2018, 20, 1538-1541.	2.4	33
137	A Concerted Catalytic System for Sonogashira Coupling Reactions: Combination of <i>N</i> -Heterocyclic Carbene Palladium and Copper Complexes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1113-1117.	1.3	11
138	Multi-Metal-Catalyzed Oxidative Radical Alkynylation with Terminal Alkynes: A New Strategy for C(sp ³)-C(sp) Bond Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 6006-6013.	6.6	70
139	Reactivity of (NNN)-pincer nickel(II) aryl complex towards oxidative carbon-heteroatom bond formation. <i>Tetrahedron</i> , 2018, 74, 3278-3282.	1.0	2
140	Photoinduced Copper-Catalyzed Coupling of Terminal Alkynes and Alkyl Iodides. <i>Angewandte Chemie</i> , 2018, 130, 5590-5594.	1.6	19
141	Photoinduced Copper-Catalyzed Coupling of Terminal Alkynes and Alkyl Iodides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5492-5496.	7.2	102
142	Copper-Catalyzed C(sp)-C(sp ³) Coupling of Terminal Alkynes with Alkylsilyl Peroxides via a Radical Mechanism. <i>Organic Letters</i> , 2018, 20, 1400-1403.	2.4	39
143	Copper-Catalyzed Cross-Coupling of Secondary <i>N</i> -Haloamides with Terminal Alkynes: Access to Diverse 2,3-Allenamides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1397-1401.	2.1	7
144	Sonogashira reactions of alkyl halides catalyzed by NHC [CNN] pincer nickel(ii) complexes. <i>New Journal of Chemistry</i> , 2018, 42, 11465-11470.	1.4	28
146	Palladium catalyzed chloroethoxylation of aromatic and heteroaromatic chlorides: an orthogonal functionalization of a chloroethoxy linker. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4895-4899.	1.5	3

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147	A Sustainable, User-Friendly Protocol for the Pd-Free Sonogashira Coupling Reaction. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6134-6139.	1.2	33
148	Intermediacy of Ni ^{II} Species in sp ² C=O Bond Cleavage of Aryl Esters: Relevance in Catalytic C-Si Bond Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 8771-8780.	6.6	85
149	Synthesis of Thiazolo[3,2-b][1,2,4]triazoles through Pd-Catalyzed Copper-Free Sonogashira Coupling Reaction. <i>ChemistrySelect</i> , 2019, 4, 9238-9240.	0.7	4
150	Visible Light-Catalyzed Decarboxylative Alkynylation of Arenediazonium Salts with Alkynyl Carboxylic Acids: Direct Access to Aryl Alkynes by Organic Photoredox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5030-5041.	2.1	12
151	Copper-Catalyzed Regio- and Stereoselective 1,1-Dicarbonylfunctionalization of Terminal Alkynes. <i>Organic Letters</i> , 2019, 21, 6034-6039.	2.4	19
152	Visible-Light Reductive Cyclization of Nonactivated Alkyl Chlorides. <i>Synlett</i> , 2019, 30, 1496-1507.	1.0	2
153	LiHMDS-Promoted Palladium-Catalyzed Sonogashira Cross-Coupling of Aryl Fluorides with Terminal Alkynes. <i>Organic Letters</i> , 2019, 21, 9714-9718.	2.4	28
154	Access to Enantiopure Advanced Intermediates en Route to Madangamines. <i>Chemistry - A European Journal</i> , 2019, 25, 15929-15933.	1.7	5
155	Functionalized graphene oxide anchored to Ni complex as an effective recyclable heterogeneous catalyst for Sonogashira coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2019, 885, 65-72.	0.8	25
156	Reductive Cyclization of Unactivated Alkyl Chlorides with Tethered Alkenes under Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4869-4874.	7.2	63
157	Reductive Cyclization of Unactivated Alkyl Chlorides with Tethered Alkenes under Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 4923-4928.	1.6	11
158	Ligand-Free Cu-Catalyzed Suzuki Coupling of Alkynyl Bromides with Boronic Acids in Ethanol Under Microwave Irradiation. <i>ChemistrySelect</i> , 2019, 4, 1019-1022.	0.7	18
159	Cross-dehydrogenative alkynylation of sulfonamides and amides with terminal alkynes via Ir-catalysis. <i>Organic Chemistry Frontiers</i> , 2019, 6, 284-289.	2.3	43
160	Enantioselective palladium/copper-catalyzed C-C σ -bond activation synergized with Sonogashira-type C(sp ³) \rightarrow C(sp) cross-coupling alkynylation. <i>Chemical Science</i> , 2019, 10, 7579-7583.	3.7	55
161	Copper-catalyzed direct couplings of terminal alkynes with primary and secondary benzyl bromides. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1983-1988.	2.3	11
162	Nickamine and Analogous Nickel Pincer Catalysts for Cross-Coupling of Alkyl Halides and Hydrosilylation of Alkenes. <i>Accounts of Chemical Research</i> , 2019, 52, 1471-1483.	7.6	42
163	Selective activation of 1,2-dichloroethane for access to β -chloroethylarenes enabled by nickel-catalyzed suzuki-type couplings. <i>Tetrahedron Letters</i> , 2019, 60, 1130-1134.	0.7	5
164	Sulfur-Mediated Electrophilic Cyclization of Aryl-Substituted Internal Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 4517-4524.	1.7	32

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165	Nickel-Copper-Catalyzed Hydroacylation of Vinylarenes with Acyl Fluorides and Hydrosilanes. <i>Chemistry - A European Journal</i> , 2019, 25, 9410-9414.	1.7	24
166	Alkylation of Terminal Alkynes under Zinc Lewis Acid Catalysis and Its Mechanistic Studies. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2825-2831.	2.1	3
167	A rhodium-catalysed Sonogashira-type coupling exploiting C-S functionalisation: orthogonality with palladium-catalysed variants. <i>Chemical Communications</i> , 2019, 55, 2757-2760.	2.2	7
168	A general asymmetric copper-catalysed Sonogashira C(sp ³)-C(sp) coupling. <i>Nature Chemistry</i> , 2019, 11, 1158-1166.	6.6	204
170	Cross-coupling reactions by cooperative Pd/Cu or Ni/Cu catalysis based on the catalytic generation of organocopper nucleophiles. <i>Tetrahedron</i> , 2019, 75, 709-719.	1.0	25
171	The Direct Conversion of α -Hydroxyketones to Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 983-993.	1.7	4
172	Nickel-catalyzed denitrative etherification of activated nitrobenzenes. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 293-299.	1.2	10
173	Enantioselective Difunctionalization of Alkenes by a Palladium-Catalyzed Heck/Sonogashira Sequence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2769-2775.	7.2	102
174	Enantioselective Difunctionalization of Alkenes by a Palladium-Catalyzed Heck/Sonogashira Sequence. <i>Angewandte Chemie</i> , 2020, 132, 2791-2797.	1.6	24
175	Transition-Metal-Free Cross-Coupling Reaction of Iodocarboranes with Terminal Alkynes Enabled by UV Light: Synthesis of 1-Alkynyl-o-Carboranes and Carborane-Fused Cyclics. <i>Journal of the American Chemical Society</i> , 2020, 142, 18661-18667.	6.6	15
176	Cross-Dehydrogenative Alkynylation: A Powerful Tool for the Synthesis of Internal Alkynes. <i>ChemSusChem</i> , 2020, 13, 4776-4794.	3.6	28
177	Synergistic Dual Transition Metal Catalysis. <i>Chemical Reviews</i> , 2020, 120, 13382-13433.	23.0	212
178	Ni(acac) ₂ /2,6-bis(diphenylphosphino)pyridine/CuI: A highly efficient palladium-free homogeneous catalyst for the Sonogashira cross-coupling reaction. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108274.	1.8	2
179	Copper-Catalyzed Enantioselective Sonogashira Type Coupling of Alkynes with α -Bromoamides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13998-14002.	7.2	51
180	Copper-Catalyzed Enantioselective Sonogashira Type Coupling of Alkynes with α -Bromoamides. <i>Angewandte Chemie</i> , 2020, 132, 14102-14106.	1.6	11
181	Electrochemical Annulation-Iodosulfonylation of 1,5-Enyne-containing <i>para</i> -Quinone Methides (<i>p</i> -QMs) to Access <i>E</i> -Spiroindenes. <i>Organic Letters</i> , 2020, 22, 4471-4477.	2.4	74
182	Cu/Ni-Catalyzed Cyanomethylation of Alkenes with Acetonitrile for the Synthesis of β , γ -Unsaturated Nitriles. <i>Journal of Organic Chemistry</i> , 2020, 85, 6143-6150.	1.7	6
183	Copper-catalysed Csp ³ -Csp cross-couplings between cyclobutanone oxime esters and terminal alkynes induced by visible light. <i>Chemical Communications</i> , 2020, 56, 4676-4679.	2.2	38

#	ARTICLE	IF	CITATIONS
184	Functionalization of remote C(sp ³)-H bonds enabled by copper-catalyzed coupling of O-acyloximes with terminal alkynes. <i>Nature Communications</i> , 2020, 11, 403.	5.8	70
185	A Copper-Catalyzed Sonogashira Coupling Reaction of Diverse Activated Alkyl Halides with Terminal Alkynes Under Ambient Conditions. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2280-2284.	2.1	24
186	Ni-Catalyzed direct iminoalkynylation of unactivated olefins with terminal alkynes: facile access to alkyne-labelled pyrrolines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6522-6529.	2.3	12
187	Nickel catalysts in Sonogashira coupling reactions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4228-4242.	1.5	36
188	Development of Organosilicon Peroxides as Practical Alkyl Radical Precursors and Their Applications to Transition Metal Catalysis. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 513-524.	2.0	24
189	Nickel-Catalyzed Sonogashira Coupling Reactions of Nonactivated Alkyl Chlorides under Mild Conditions. <i>Organometallics</i> , 2021, 40, 2240-2245.	1.1	6
190	Iron-Catalyzed Tertiary Alkylation of Terminal Alkynes with 1,3-Diesters via a Functionalized Alkyl Radical. <i>Angewandte Chemie</i> , 2021, 133, 9792-9797.	1.6	2
191	Simple synthesis of poly (1,4-bis(dodecyloxy)-2,5-diethynylbenzene)/Pd composites with catalytic activity in Sonogashira coupling reaction. <i>International Journal of Chemical Reactor Engineering</i> , 2021, 19, 439-446.	0.6	0
192	Iron-Catalyzed Tertiary Alkylation of Terminal Alkynes with 1,3-Diesters via a Functionalized Alkyl Radical. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9706-9711.	7.2	13
193	Co ₃ O ₄ nanoparticles embedded in triple-shelled graphitic carbon nitride (Co ₃ O ₄ /TSCN): a new sustainable and high-performance hierarchical catalyst for the Pd/Cu-free Sonogashira-Hagihara cross-coupling reaction in solvent-free conditions. <i>Research on Chemical Intermediates</i> , 2021, 47, 3217-3244.	1.3	3
194	Enabling the Use of Alkyl Thianthrenium Salts in Cross-Coupling Reactions by Copper Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 21924-21928.	1.6	38
195	Unactivated Alkyl Chloride Reactivity in Excited-State Palladium Catalysis. <i>Organic Letters</i> , 2021, 23, 6905-6910.	2.4	39
196	Nickel-catalyzed deaminative Sonogashira coupling of alkylpyridinium salts enabled by NN ₂ pincer ligand. <i>Nature Communications</i> , 2021, 12, 4904.	5.8	38
197	Enabling the Use of Alkyl Thianthrenium Salts in Cross-Coupling Reactions by Copper Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21756-21760.	7.2	53
198	An efficient nanocluster catalyst for Sonogashira reaction. <i>Journal of Catalysis</i> , 2021, 401, 206-213.	3.1	12
199	A Pivotal Role of Chloride Ion on Nickel-Catalyzed Enantioselective Reductive Cross-Coupling to Perfluoroalkylated Boronate Esters. <i>ACS Catalysis</i> , 2021, 11, 12469-12475.	5.5	25
200	Glaser coupling- and Sonogashira coupling-control over CuxO nanoparticles/carbon nanotube by switching visible-light off and on. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120721.	10.8	9
201	Achiral and chiral NNN-pincer nickel complexes with oxazolonyl backbones: application in transfer hydrogenation of ketones. <i>New Journal of Chemistry</i> , 2021, 45, 11927-11936.	1.4	0

#	ARTICLE	IF	CITATIONS
204	Toward a Green Laboratory: One Reaction at a Time. RSC Drug Discovery Series, 2015, , 39-65.	0.2	0
207	Photo-induced direct alkynylation of methane and other light alkanes by iron catalysis. Green Chemistry, 2021, 23, 9406-9411.	4.6	40
208	Decarbonylative Sonogashira cross-coupling: a fruitful marriage of alkynes with carboxylic acid electrophiles. Organic Chemistry Frontiers, 2021, 9, 216-222.	2.3	9
209	Copper-Catalyzed Cross-Coupling of Arylacetylenes with Bromodifluoroacetamides. Synlett, 0, 33, .	1.0	3
210	Photoredox Activation of Inert Alkyl Chlorides for the Reductive Cross-Coupling with Aromatic Alkenes. Angewandte Chemie, 2022, 134, .	1.6	3
211	Photoredox Activation of Inert Alkyl Chlorides for the Reductive Cross-Coupling with Aromatic Alkenes. Angewandte Chemie - International Edition, 2022, 61, e202114365.	7.2	16
212	Sml ₂ -mediated C-alkylation of Ketones with Alcohols under Microwave Conditions: A Novel Route to Alkylated Ketones. Chemistry - an Asian Journal, 2022, 17, .	1.7	3
214	SOMophilic Alkynylation of Unreactive Alkenes Enabled by Iron-Catalyzed Hydrogen Atom Transfer. Molecules, 2022, 27, 33.	1.7	2
215	Nickel-catalyzed enantioselective domino Heck/Sonogashira coupling for construction of C(sp)-C(sp ²)		2
216	Visible-Light-Driven \pm -Aminoalkyl Radical-Mediated C(sp ³) \rightarrow C(sp) Cross-Coupling of Iodoalkanes and Alkynyl Bromides. Organic Letters, 2022, 24, 5186-5191.	2.4	9
217	Carboxamide-Directed Stereospecific Couplings of Chiral Tertiary Alkyl Halides with Terminal Alkynes. ACS Catalysis, 2022, 12, 9831-9838.	5.5	9
218	Broadly Applicable Ion Pair-Assisted Nucleophilic Substitution of sp ³ -Carbon Electrophiles with Alkynyltrifluoroborates. Organic Letters, 2022, 24, 6298-6303.	2.4	2
219	Alkynyl transmetalation triggered by a nucleophilic attack. Inorganic Chemistry Frontiers, 2022, 9, 4801-4807.	3.0	0
220	Recent Developments in Copper(I)-Catalyzed Enantioselective Alkynylation Reactions via a Radical Process. Chinese Journal of Chemistry, 2023, 41, 481-489.	2.6	8
221	Recyclable Copper(I)-Catalyzed Cross-Coupling of Trialkylsilylalkynes and <i>N</i> -Tosylhydrazones Leading to the Formation of C(sp) \rightarrow C(sp ³) Bonds. Journal of Organic Chemistry, 2023, 88, 2973-2984.	1.7	2
222	Aryl Radical Enabled, Copper-Catalyzed Sonogashira-Type Cross-Coupling of Alkynes with Alkyl Iodides. ACS Catalysis, 2023, 13, 2761-2770.	5.5	16
223	Copper/phosphine-catalyzed asymmetric radical reactions. , 2023, , 217-236.		0
231	Reduction of unactivated alkyl chlorides enabled by light-induced single electron transfer. Science China Chemistry, 2024, 67, 471-481.	4.2	1

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