

Corinne Gosmini

List of Publications by Year in descending order

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64
papers

3,914
citations

101543

36
h-index

123424

61
g-index

80
all docs

80
docs citations

80
times ranked

2001
citing authors

#	ARTICLE	IF	CITATIONS
1	Reductive Cross-Coupling Reactions between Two Electrophiles. Chemistry - A European Journal, 2014, 20, 6828-6842.	3.3	535
2	Cobalt-catalyzed cross-coupling reactions. Chemical Communications, 2008, , 3221.	4.1	247
3	New Chemical Synthesis of Functionalized Arylzinc Compounds from Aromatic or Thienyl Bromides under Mild Conditions Using a Simple Cobalt Catalyst and Zinc Dust. Journal of the American Chemical Society, 2003, 125, 3867-3870.	13.7	175
4	Efficient Cobalt-Catalyzed Formation of Unsymmetrical Biaryl Compounds and Its Application in the Synthesis of a Sartan Intermediate. Angewandte Chemie - International Edition, 2008, 47, 2089-2092.	13.8	159
5	Cobalt-Catalyzed Reductive Allylation of Alkyl Halides with Allylic Acetates or Carbonates. Angewandte Chemie - International Edition, 2011, 50, 10402-10405.	13.8	118
6	New Chemical Cross-Coupling between Aryl Halides and Allylic Acetates Using a Cobalt Catalyst. Organic Letters, 2003, 5, 1043-1045.	4.6	103
7	Direct Method for Carbon-Carbon Bond Formation: The Functional Group Tolerant Cobalt-Catalyzed Alkylation of Aryl Halides. Chemistry - A European Journal, 2010, 16, 5848-5852.	3.3	100
8	Cobalt-Catalyzed Direct Electrochemical Cross-Coupling between Aryl or Heteroaryl Halides and Allylic Acetates or Carbonates. Journal of Organic Chemistry, 2003, 68, 1142-1145.	3.2	98
9	Synthesis of functionalised diarylmethanes via a cobalt-catalysed cross-coupling of arylzinc species with benzyl chlorides. Chemical Communications, 2008, , 5019.	4.1	98
10	Ni-catalyzed activation of α -chloroesters: a simple method for the synthesis of α -arylesters and β -hydroxyesters. Tetrahedron, 2007, 63, 1146-1153.	1.9	93
11	Cobalt-Catalyzed Esterification of Amides. Chemistry - A European Journal, 2017, 23, 10043-10047.	3.3	90
12	Cobalt-Catalyzed Formation of Symmetrical Biaryls and Its Mechanism. Chemistry - A European Journal, 2009, 15, 4770-4774.	3.3	76
13	Cobalt-Catalyzed Vinylation of Functionalized Aryl Halides with Vinyl Acetates. European Journal of Organic Chemistry, 2005, 2005, 989-992.	2.4	75
14	Cobalt-Catalyzed Cross-Coupling Reactions of Aryl Halides. Israel Journal of Chemistry, 2010, 50, 568-576.	2.3	75
15	New Efficient Preparation of Arylzinc Compounds from Aryl Halides Using Cobalt Catalysis and Sacrificial Anode Process. Journal of Organic Chemistry, 2000, 65, 6024-6026.	3.2	71
16	CoBr ₂ (Bpy): An Efficient Catalyst for the Direct Conjugate Addition of Aryl Halides or Triflates onto Activated Olefins. Journal of Organic Chemistry, 2006, 71, 6130-6134.	3.2	71
17	Electrochemical cross-coupling between 2-halopyridines and aryl or heteroaryl halides catalysed by nickel-2,2'-bipyridine complexes. Tetrahedron, 1998, 54, 1289-1298.	1.9	68
18	Cobalt-catalyzed electrochemical vinylation of aryl halides using vinylic acetates. Tetrahedron, 2003, 59, 2999-3002.	1.9	67

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19	Convenient Processes for the Synthesis of Aromatic Ketones from Aryl Bromides and Carboxylic Anhydrides Using a Cobalt Catalysis. <i>Journal of Organic Chemistry</i> , 2004, 69, 936-942.	3.2	67
20	Cobalt-Catalyzed Cross-Coupling Between In Situ Prepared Arylzinc Halides and 2-Chloropyrimidine or 2-Chloropyrazine. <i>Journal of Organic Chemistry</i> , 2009, 74, 3221-3224.	3.2	66
21	New progress in the cobalt-catalysed synthesis of aromatic organozinc compounds by reduction of aromatic halides by zinc dust. <i>Tetrahedron Letters</i> , 2003, 44, 6417-6420.	1.4	64
22	Cobalt-catalyzed C–SMe bond activation of heteroaromatic thioethers. <i>Chemical Communications</i> , 2010, 46, 5972.	4.1	63
23	Synthesis of unsymmetrical biaryls by electroreductive cobalt-catalyzed cross-coupling of aryl halides. <i>Tetrahedron</i> , 2002, 58, 8417-8424.	1.9	61
24	Electrochemical cross-coupling between functionalized aryl halides and 2-chloropyrimidine or 2-chloropyrazine catalyzed by nickel 2,2'-bipyridine complex. <i>Tetrahedron Letters</i> , 2000, 41, 201-203.	1.4	60
25	Cobalt-Catalyzed Electrophilic Amination of Arylzincs with <i>N</i> -Chloroamines. <i>Chemistry - A European Journal</i> , 2013, 19, 6225-6229.	3.3	55
26	Synthesis of functionalized 2-arylpyridines from 2-halopyridines and various aryl halides via a nickel catalysis. <i>Tetrahedron</i> , 2009, 65, 6141-6146.	1.9	54
27	Cobalt bromide as catalyst in electrochemical addition of aryl halides onto activated olefins. <i>Tetrahedron Letters</i> , 2000, 41, 3385-3388.	1.4	53
28	<i>N</i> -Boc Amides in Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2019, 25, 2663-2674.	3.3	51
29	Electrosynthesis of functionalized 2-arylpyridines from functionalized aryl and pyridine halides catalyzed by nickel bromide 2,2'-bipyridine complex. <i>Tetrahedron Letters</i> , 2000, 41, 5039-5042.	1.4	50
30	Cobalt-Catalyzed Vinylation of Aromatic Halides Using \hat{I}^2 -Halostyrene: Experimental and DFT Studies. <i>Journal of Organic Chemistry</i> , 2012, 77, 5056-5062.	3.2	49
31	A convenient method for the preparation of aromatic ketones from acyl chlorides and arylzinc bromides using a cobalt catalysis. <i>Tetrahedron</i> , 2003, 59, 8199-8202.	1.9	44
32	New Efficient Preparation of Functionalized Arylzinc or Thienylzinc Compounds from Aryl or Thienyl Chlorides Using Cobalt Catalysis. <i>Synlett</i> , 2005, 2005, 2171-2174.	1.8	43
33	Cobalt-catalysed synthesis of highly substituted styrene derivatives via arylzincation of alkynes. <i>Chemical Communications</i> , 2012, 48, 11561.	4.1	42
34	Cobalt-Catalyzed C(sp ²)–CN Bond Activation: Cross-Electrophile Coupling for Biaryl Formation and Mechanistic Insight. <i>ACS Catalysis</i> , 2020, 10, 12819-12827.	11.2	42
35	Cobalt-catalyzed electrochemical cross-coupling of functionalized phenyl halides with 4-chloroquinoline derivatives. <i>Tetrahedron Letters</i> , 2001, 42, 267-269.	1.4	41
36	Cobalt-Catalyzed Cross-Coupling of Organozinc Halides with Bromoalkynes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2937-2942.	4.3	38

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37	A practical cobalt-catalyzed cross-coupling of benzylic zinc reagents with aryl and heteroaryl bromides or chlorides. <i>Chemical Communications</i> , 2016, 52, 3171-3174.	4.1	38
38	CO ₂ activation by electrogenerated divalent samarium for aryl halide carboxylation. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8546-8550.	2.8	38
39	Electrochemical vinylation of aryl and vinyl halides with acrylate esters catalyzed by cobalt bromide. <i>Tetrahedron Letters</i> , 2002, 43, 5901-5903.	1.4	37
40	Pure acetonitrile as solvent for the efficient electrochemical conversion of aryl bromides in organozinc species and their coupling reaction with acetyl chloride. <i>Tetrahedron Letters</i> , 2002, 43, 5941-5944.	1.4	36
41	Cobalt-Catalyzed Reductive Cross-Coupling Between Styryl and Benzyl Halides. <i>Chemistry - A European Journal</i> , 2017, 23, 250-253.	3.3	34
42	Synthesis of Symmetrical Diaryl Ketones by Cobalt-Catalyzed Reaction of Arylzinc Reagents with Ethyl Chloroformate. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4554-4560.	2.4	31
43	Cobalt-Catalyzed Reductive Cross-Coupling Between Benzyl Chlorides and Aryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2431-2435.	4.3	26
44	Cobalt-Catalyzed Carbozincation of Ynamides. <i>Journal of Organic Chemistry</i> , 2017, 82, 1254-1259.	3.2	26
45	Mechanism(s) of the cobalt-catalyzed electrochemical coupling between aromatic halides and allylic acetates. <i>Journal of Electroanalytical Chemistry</i> , 2004, 562, 255-260.	3.8	24
46	New and simple one-step cobalt-catalyzed preparation of functionalized arylstannanes from the corresponding aryl bromides or iodides. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 216-217.	2.8	23
47	Cobalt-Catalyzed C-C Homocoupling. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2427-2430.	4.3	23
48	A novel transmetallation of arylzinc species into arylboronates from aryl halides in a barbiere procedure. <i>Chemical Communications</i> , 2007, , 3667.	4.1	22
49	Room-Temperature Palladium-Catalyzed Negishi-Type Coupling: A Combined Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2011, 17, 14389-14393.	3.3	22
50	Sequential Organozinc Formation and Negishi Cross-Coupling of Amides Catalysed by Cobalt Salt. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1777-1780.	4.3	22
51	Electrosynthesis of functionalized organozinc compounds from aromatic dihalides via a cobalt catalysis in acetonitrile/pyridine as solvent. <i>Tetrahedron Letters</i> , 2001, 42, 3843-3846.	1.4	20
52	Zinc Chloride Mediated Synthesis of 3H-imidazol-2-one and Pyrrolooxazin-1-one from Ynamide. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5175-5179.	2.4	19
53	Synthesis by a Cost-Effective Method and Electroluminescence of a Novel Efficient Yellowish-Green Thermally Activated Delayed Fluorescent Molecule. <i>ACS Omega</i> , 2018, 3, 2254-2260.	3.5	18
54	Cobalt-Catalyzed Formation of Functionalized Diarylmethanes from Benzylmesylates and Aryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3026-3029.	4.3	17

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55	Cobalt-Catalyzed Electrophilic Cyanation of Arylzinc Halides with <i>N</i> -Cyanophenylmethylbenzenesulfonamide (NCTS). <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3419-3423.	4.3	16
56	Cobalt-Catalyzed Barbier Reactions of Aromatic Halides with Aromatic Aldehydes and Imines. <i>Chemistry - A European Journal</i> , 2019, 25, 4491-4495.	3.3	16
57	Cobalt-Catalyzed Allylation of Aldimines by Allylic Acetates. <i>Letters in Organic Chemistry</i> , 2004, 1, 105-108.	0.5	8
58	Cobalt-Catalyzed Formation of 2-Pyridylzinc Reagents and Their Subsequent Coupling. <i>Synthesis</i> , 2018, 50, 2595-2600.	2.3	8
59	2,2'-Bipyridine: An Efficient Ligand in the Cobalt-Catalyzed Synthesis of Organozinc Reagents from Aryl Chlorides and Sulfonates. <i>Synlett</i> , 2006, 2006, 881-884.	1.8	7
60	Cobalt Complexes Supported by Phosphinoquinoline Ligands for the Catalyzed Hydrosilylation of Carbonyl Compounds. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	7
61	Cobalt Bromide-Catalyzed Negishi-Type Cross-Coupling of Amides. <i>Organic Letters</i> , 2022, 24, 2778-2782.	4.6	5
62	Deciphering preferred geometries of pyridylmethylamines-based complexes: A robust strategy combining NMR, DFT and X-ray. <i>Inorganica Chimica Acta</i> , 2019, 498, 119070.	2.4	3
63	Dehalogenation and Desulfonation from Aryl and Alkyl Compounds with a Cobalt Catalyst in the Presence of Alcohol. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 3275.	2.7	2
64	Grignard Reagents and Cobalt. <i>ChemistrySelect</i> , 2018, 3, .	1.5	0