

# Advances in One-Pot Synthesis through Borrowing Hydrogen

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Citation Report

#	ARTICLE	IF	CITATIONS
1	One-pot synthesis of 1,5-diketones from 3-acetyl-4-hydroxycoumarin and effective cyclization to unexpected 3,4-dihydropyridines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3428-3437.	1.5	11
2	Ruthenium-Catalyzed $\alpha$ -Olefination of Nitriles Using Secondary Alcohols. <i>ACS Catalysis</i> , 2018, 8, 2473-2478.	5.5	59
3	Electrochemical Analysis of Catalytic and Oxygen Interfacial Transfer Effects on MnO <sub>2</sub> Deposited on Gold Electrodes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10939-10947.	1.5	8
4	Mechanistic studies on the N-alkylation of amines with alcohols catalysed by iridium(i) complexes with functionalised N-heterocyclic carbene ligands. <i>Catalysis Science and Technology</i> , 2018, 8, 2381-2393.	2.1	29
5	Divergent reactions of oxindoles with amino alcohols <i>via</i> the borrowing hydrogen process: oxindole ring opening <i>vs.</i> C3 alkylation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1622-1627.	2.3	13
6	Efficient nickel-catalysed N-alkylation of amines with alcohols. <i>Catalysis Science and Technology</i> , 2018, 8, 5498-5505.	2.1	49
7	C-N Bond Formation Catalyzed by Ruthenium Nanoparticles Supported on N-Doped Carbon via Acceptorless Dehydrogenation to Secondary Amines, Imines, Benzimidazoles and Quinoxalines. <i>ChemCatChem</i> , 2018, 10, 5627-5636.	1.8	52
8	Silver-Catalyzed Arylation of (Hetero)arenes via Oxidative Benzylic C-C Bond Cleavage of Benzyl Alcohols/ Benzaldehyde. <i>ChemistrySelect</i> , 2018, 3, 12336-12340.	0.7	5
9	High-Yield Synthesis of a Long-Sought, Labile Ru-NHC Complex and Its Application to the Concise Synthesis of Second-Generation Olefin Metathesis Catalysts. <i>Organometallics</i> , 2018, 37, 4551-4555.	1.1	25
10	Sustainable Alkylation of Unactivated Esters and Amides with Alcohols Enabled by Manganese Catalysis. <i>Organic Letters</i> , 2018, 20, 7779-7783.	2.4	63
11	Nickel-Catalyzed Cross-Electrophile Coupling between Benzyl Alcohols and Aryl Halides Assisted by Titanium Co-reductant. <i>Organic Letters</i> , 2018, 20, 7846-7850.	2.4	67
12	Ni-Catalyzed $\alpha$ -Alkylation of Unactivated Amides and Esters with Alcohols by Hydrogen Auto-transfer Strategy. <i>ChemSusChem</i> , 2018, 11, 3911-3916.	3.6	49
13	Amination of 1-hexanol on bimetallic AuPd/TiO <sub>2</sub> catalysts. <i>Green Chemistry</i> , 2018, 20, 4695-4709.	4.6	22
14	Smart Tandem Catalyst Developed with Sundew's Predation Strategy, Capable of Catching, Decomposing and Assimilating Preys. <i>ChemCatChem</i> , 2018, 10, 5231-5241.	1.8	13
15	Stabilized Ru[(H <sub>2</sub> O) <sub>6</sub> ] <sup>3+</sup> in Confined Spaces (MOFs and Zeolites) Catalyzes the Imination of Primary Alcohols under Atmospheric Conditions with Wide Scope. <i>ACS Catalysis</i> , 2018, 8, 10401-10406.	5.5	31
16	Bifunctional Iron Complexes Catalyzed Alkylation of Indoles. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4640-4645.	2.1	53
17	Zinc Oxide-Catalyzed Dehydrogenation of Primary Alcohols into Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2018, 24, 17832-17837.	1.7	36
18	Ni-Catalyzed dehydrogenative coupling of primary and secondary alcohols with methyl-N-heteroaromatics. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3250-3255.	2.3	42

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19	Cyclodextrin-assisted low-metal Ni-Pd/Al <sub>2</sub> O <sub>3</sub> bimetallic catalysts for the direct amination of aliphatic alcohols. <i>Journal of Catalysis</i> , 2018, 368, 172-189.	3.1	23
20	Cooperative Palladium/Lewis Acid-Catalyzed Transfer Hydrocyanation of Alkenes and Alkynes Using 1-Methylcyclohexa-2,5-diene-1-carbonitrile. <i>Journal of the American Chemical Society</i> , 2018, 140, 16353-16359.	6.6	69
21	Recent Advances in Catalyzed Sequential Reactions and the Potential Use of Tetrapyrrolic Macrocycles as Catalysts. <i>Molecules</i> , 2018, 23, 2796.	1.7	15
22	Efficient Synthesis of $\alpha,\beta$ -Unsaturated Ketones from Primary Alcohols and Ketones over Mg <sup>2+</sup> -Modified NiGa Hydrotalcites. <i>ChemistrySelect</i> , 2018, 3, 11284-11292.	0.7	2
23	Well-Defined Phosphine-Free Iron-Catalyzed <i>N</i> -Ethylation and <i>N</i> -Methylation of Amines with Ethanol and Methanol. <i>Organic Letters</i> , 2018, 20, 5985-5990.	2.4	105
24	Stereoselective Synthesis of Cyclohexanes via an Iridium Catalyzed (5 + 1) Annulation Strategy. <i>Journal of the American Chemical Society</i> , 2018, 140, 11916-11920.	6.6	66
25	Methylation of Amines and Ketones with Methanol Catalyzed by an Iridium Complex Bearing a 2-Hydroxypyridylmethylene Fragment. <i>Organometallics</i> , 2018, 37, 3353-3359.	1.1	70
26	Valorization of Biomass Derived Terpene Compounds by Catalytic Amination. <i>Catalysts</i> , 2018, 8, 365.	1.6	14
27	New Manganese-Terpyridine-Based Catalytic System for the Dehydrogenative Coupling of Alcohols and Amines for the Synthesis of Aldimines. <i>ChemistrySelect</i> , 2018, 3, 9443-9447.	0.7	7
28	Binuclear Fused 5-membered Palladacycle and Palladium Complex of Amido-Functionalized N-heterocyclic Carbene Precatalysts for the One-Pot Tandem Hiyama Alkynylation/Cyclization Reactions. <i>ChemistrySelect</i> , 2018, 3, 9361-9367.	0.7	8
29	Controlling reactive pathways in complex one-pot reactions using a novel shape-selective catalyst with multifunctional active-sites. <i>Chemical Communications</i> , 2018, 54, 11689-11692.	2.2	9
30	Manganese-Catalyzed $\beta$ -Alkylation of Secondary Alcohols with Primary Alcohols under Phosphine-Free Conditions. <i>ACS Catalysis</i> , 2018, 8, 7201-7207.	5.5	150
31	Development of efficient one-pot three-component assembly of trityl olmesartan medoxomil. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4348-4359.	1.4	1
32	Direct access to <i>N</i> -alkylated amines and imines via acceptorless dehydrogenative coupling catalyzed by a cobalt( <i>scp</i> )-NNN pincer complex. <i>Catalysis Science and Technology</i> , 2018, 8, 3469-3473.	2.1	82
33	Preparation of pyridyltriazole ruthenium complexes as effective catalysts for the selective alkylation and one-pot C-H hydroxylation of 2-oxindole with alcohols and mechanism exploration. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2668-2675.	2.3	60
34	Ruthenium-catalyzed synthesis of arylethyl 1,3,5-triazines from arylallyl alcohols and biguanides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6140-6145.	1.5	22
35	Enantiokonvergente biokatalytische Redoxisomerisierung. <i>Angewandte Chemie</i> , 2018, 130, 12328-12333.	1.6	7
36	Enantioconvergent Biocatalytic Redox Isomerization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12151-12156.	7.2	22

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37	Reaction Route and Mechanism of the Direct N-Alkylation of Sulfonamides on Acidic Mesoporous Zeolite $\hat{I}^2$ -Catalyst. ACS Catalysis, 2018, 8, 9043-9055.	5.5	25
38	In Water and under Mild Conditions: $\hat{I}^\pm$ -Alkylation of Ketones with Alcohols by Phase-Transfer-Assisted Borrowing Hydrogen Catalysis. Chemistry - A European Journal, 2018, 24, 15529-15532.	1.7	17
39	Low-Valent Titanium-Mediated Radical Conjugate Addition Using Benzyl Alcohols as Benzyl Radical Sources. Organic Letters, 2018, 20, 5389-5392.	2.4	53
40	Solvent-free direct $\hat{I}^\pm$ -alkylation of ketones by alcohols catalyzed by nickel supported on silica-alumina. Green Chemistry, 2018, 20, 4210-4216.	4.6	38
41	Design and Synthesis of Zirconium-Containing Coordination Polymer Based on Unsymmetric Indolyl Dicarboxylic Acid and Catalytic Application on Borrowing Hydrogen Reaction. Advanced Synthesis and Catalysis, 2018, 360, 4293-4300.	2.1	41
42	Ru-Catalyzed Cross-Dehydrogenative Coupling between Primary Alcohols to Guerbet Alcohol Derivatives: with Relevance for Fragrance Synthesis. Journal of Organic Chemistry, 2018, 83, 10864-10870.	1.7	22
43	$Cp^*Co^{III}$ -Catalyzed Efficient Dehydrogenation of Secondary Alcohols. Chemistry - an Asian Journal, 2018, 13, 2445-2448.	1.7	24
44	A borrowing hydrogen methodology: palladium-catalyzed dehydrative <i>N</i> -benzylation of 2-aminopyridines in water. Green Chemistry, 2018, 20, 3044-3049.	4.6	34
45	Regioselective deuteration of alcohols in $D_2O$ catalysed by homogeneous manganese and iron pincer complexes. Green Chemistry, 2018, 20, 2706-2710.	4.6	30
46	Iron-Catalyzed Methylation Using the Borrowing Hydrogen Approach. ACS Catalysis, 2018, 8, 6440-6445.	5.5	217
47	SNS-Ligands for Ru-Catalyzed Homogeneous Hydrogenation and Dehydrogenation Reactions. Organic Process Research and Development, 2018, 22, 862-870.	1.3	25
48	Cleave and couple: toward fully sustainable catalytic conversion of lignocellulose to value added building blocks and fuels. Chemical Communications, 2018, 54, 7725-7745.	2.2	58
49	Iron-Catalyzed Anti-Markovnikov Hydroamination and Hydroamidation of Allylic Alcohols. Journal of the American Chemical Society, 2019, 141, 13506-13515.	6.6	66
50	Borane-Catalyzed Chemoselectivity-Controllable N-Alkylation and <i>ortho</i> -C-Alkylation of Unprotected Arylamines Using Benzylic Alcohols. ACS Catalysis, 2019, 9, 8397-8403.	5.5	48
51	The $\hat{I}^\pm$ -alkylation of ketones with alcohols in pure water catalyzed by a water-soluble $Cp^*Ir$ complex bearing a functional ligand. New Journal of Chemistry, 2019, 43, 14057-14065.	1.4	14
52	Iron-Catalyzed Ligand Free $\hat{I}^\pm$ -Alkylation of Methylene Ketones and $\hat{I}^2$ -Alkylation of Secondary Alcohols Using Primary Alcohols. Journal of Organic Chemistry, 2019, 84, 11676-11686.	1.7	42
53	Plasma-Made (Ni 0.5 Cu 0.5 )Fe 2 O 4 Nanoparticles for Alcohol Amination under Microwave Heating. ChemCatChem, 2019, 11, 3959-3972.	1.8	4
54	Bidentate Ru(II)-NC Complexes as Catalysts for $\hat{I}^\pm$ -Alkylation of Unactivated Amides and Esters. ChemCatChem, 2019, 11, 4841-4847.	1.8	16

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55	Iron-Catalyzed Borrowing Hydrogen $\beta$ -Methylation of Alcohols. ACS Catalysis, 2019, 9, 8575-8580.	5.5	80
56	Nickel-catalyzed synthesis of 9-monoalkylated fluorenes from 9-fluorenone hydrazone and alcohols. Synthetic Communications, 0, , 1-8.	1.1	0
57	Asymmetric Multifunctional Modular Organocatalysis: One-Pot Direct Strategy to Enantiopure $\beta$ , $\gamma$ -Disubstituted $\gamma$ -Butyrolactones. Organic Letters, 2019, 21, 5962-5966.	2.4	21
58	Iridium-catalyzed diastereoselective amination of alcohols with chiral <i>tert</i> -butanesulfinamide by the use of a borrowing hydrogen methodology. Organic and Biomolecular Chemistry, 2019, 17, 7651-7654.	1.5	16
59	Easy Ruthenium-Catalysed Oxidation of Primary Amines to Nitriles under Oxidant-Free Conditions. Chemistry - A European Journal, 2019, 25, 13271-13274.	1.7	20
60	Ruthenium and Iron-Catalysed Decarboxylative N-Alkylation of Cyclic $\alpha$ -Amino Acids with Alcohols: Sustainable Routes to Pyrrolidine and Piperidine Derivatives. ChemSusChem, 2019, 12, 3801-3807.	3.6	19
61	A step forward in solvent knitting strategies: ruthenium and gold phosphine complex polymerization results in effective heterogenized catalysts. Catalysis Science and Technology, 2019, 9, 4552-4560.	2.1	14
62	Palladacycle-Phosphine Catalyzed Methylation of Amines and Ketones Using Methanol. Journal of Organic Chemistry, 2019, 84, 10472-10480.	1.7	52
63	Catalytic Asymmetric Synthesis of Cyclohexanes by Hydrogen Borrowing Annulations. Angewandte Chemie - International Edition, 2019, 58, 12558-12562.	7.2	54
64	Nickel-Catalyzed Direct Alkenylation of Methyl Heteroarenes with Primary Alcohols. Journal of Organic Chemistry, 2019, 84, 9819-9825.	1.7	38
65	Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie - International Edition, 2019, 58, 14082-14088.	7.2	52
66	Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie, 2019, 131, 14220-14226.	1.6	22
67	Merrifield resin-supported quinone as an efficient biomimetic catalyst for metal-free, base-free, chemoselective synthesis of 2,4,6-trisubstituted pyridines. Green Chemistry, 2019, 21, 5683-5690.	4.6	56
68	Iridium Supported on Phosphorus-Doped Porous Organic Polymers: Active and Recyclable Catalyst for Acceptorless Dehydrogenation and Borrowing Hydrogen Reaction. Advanced Synthesis and Catalysis, 2019, 361, 5695-5703.	2.1	37
69	Catalytic Asymmetric Synthesis of Cyclohexanes by Hydrogen Borrowing Annulations. Angewandte Chemie, 2019, 131, 12688-12692.	1.6	26
70	Iridium Catalyzed Synthesis of Tetrahydro-1H-Indoles by Dehydrogenative Condensation. Inorganics, 2019, 7, 97.	1.2	7
71	Geometric isomerization and geometry controlled catalytic alcohol aminations of ruthenium hydride compounds containing bidentate pyrrolyl-imines. Journal of Organometallic Chemistry, 2019, 902, 120957.	0.8	4
72	Titanium-Catalyzed Cyano-Borrowing Reaction for the Direct Amination of Cyanohydrins with Ammonia. Organic Letters, 2019, 21, 8429-8433.	2.4	11

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73	Dual functions of CoO decoration in PtCo/CeO <sub>2</sub> catalysts for the hydrogen-borrowing amination of alcohols to primary amines. <i>Journal of Catalysis</i> , 2019, 378, 392-401.	3.1	33
74	Stereoselective synthesis of alicyclic ketones: A hydrogen borrowing approach. <i>Tetrahedron</i> , 2019, 75, 130680.	1.0	20
75	Ni <sup>0</sup> /Ni <sup>+</sup> Synergistic Catalysis on a Nanosized Ni Surface for Simultaneous Formation of C–C and C–N Bonds. <i>ACS Catalysis</i> , 2019, 9, 11438-11446.	5.5	32
76	General Synthesis of <i>N</i> -Alkylation of Amines with Secondary Alcohols via Hydrogen Autotransfer. <i>Organic Letters</i> , 2019, 21, 8899-8903.	2.4	56
77	Computational Insight into the Mechanism of Ruthenium(II)-Catalyzed $\alpha$ -Alkylation of Arylmethyl Nitriles Using Alcohols. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10263-10272.	1.1	2
78	Amination of $\beta$ -hydroxyl acid esters via cooperative catalysis enables access to bio-based $\beta$ -amino acid esters. <i>Communications Chemistry</i> , 2019, 2, .	2.0	18
80	N $\alpha$ -Alkylation of Amines Catalyzed by a Ruthenium–Pincer Complex in the Presence of in situ Generated Sodium Alkoxide. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6855-6866.	1.2	39
81	Water-Tolerant DUT-Series Metal–Organic Frameworks: A Theoretical–Experimental Study for the Chemical Fixation of CO <sub>2</sub> and Catalytic Transfer Hydrogenation of Ethyl Levulinate to $\beta$ -Valerolactone. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41458-41471.	4.0	55
82	Direct Synthesis of Cycloalkanes from Diols and Secondary Alcohols or Ketones Using a Homogeneous Manganese Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 17487-17492.	6.6	75
83	Solvent-Free N $\alpha$ -Alkylation of Amides with Alcohols Catalyzed by Nickel on Silica–Alumina. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6842-6846.	1.2	15
84	Cobalt-Catalyzed Dehydrogenative Coupling of Amines into Imines. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7164-7168.	1.2	16
85	Unsymmetrical triazolyl-naphthyridinyl-pyridine bridged highly active copper complexes supported on reduced graphene oxide and their application in water. <i>Green Chemistry</i> , 2019, 21, 5345-5351.	4.6	56
86	Controlling the selectivity and efficiency of the hydrogen borrowing reaction by switching between rhodium and iridium catalysts. <i>Dalton Transactions</i> , 2019, 48, 13989-13999.	1.6	24
87	Alkylation of the Methyl Group of 2-Methylquinolines and Similar Methyl- <i>N</i> -Heteroaromatics with a Ru/In Dual Catalyst. <i>Chemistry Letters</i> , 2019, 48, 1192-1195.	0.7	10
88	$\alpha$ -C–H borylation of secondary alcohols via Ru/Fe relay catalysis: building a platform for alcoholic C–H/C–O functionalizations. <i>Chemical Communications</i> , 2019, 55, 11884-11887.	2.2	18
89	Immobilization of manganese dioxide nanoparticles on modified poly 2,4-dichlorostyrene microspheres: a highly efficient and recyclable catalyst for borrowing hydrogen reactions. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3420-3427.	2.3	54
90	One-Pot Conversion of Allylic Alcohols to $\alpha$ -Methyl Ketones via Iron-Catalyzed Isomerization–Methylation. <i>Organic Letters</i> , 2019, 21, 7914-7918.	2.4	28
91	Nonbifunctional Outer-Sphere Strategy Achieved Highly Active $\alpha$ -Alkylation of Ketones with Alcohols by <i>N</i> -Heterocyclic Carbene Manganese (NHC-Mn). <i>Organic Letters</i> , 2019, 21, 8065-8070.	2.4	86

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92	The chemistry of the carbon-transition metal double and triple bond: Annual survey covering the year 2018. <i>Coordination Chemistry Reviews</i> , 2019, 401, 213051.	9.5	10
93	DFT Study of PNP-Mn-Catalyzed Acceptorless Dehydrogenative Coupling of Primary Alcohols with Hydrazine to Give Alkene or Azine. <i>Organometallics</i> , 2019, 38, 3590-3601.	1.1	6
94	Ligand-controlled phosphine-free Co(II)-catalysed cross-coupling of secondary and primary alcohols. <i>Tetrahedron</i> , 2019, 75, 130640.	1.0	23
95	Iron-Catalyzed $\alpha$ -Alkylation of Alcohols. <i>Organic Letters</i> , 2019, 21, 8404-8408.	2.4	44
96	A bifunctional strategy for N-heterocyclic carbene-stabilized iridium complex-catalyzed $\alpha$ -alkylation of amines with alcohols in aqueous media. <i>Green Chemistry</i> , 2019, 21, 219-224.	4.6	70
97	Fast continuous alcohol amination employing a hydrogen borrowing protocol. <i>Green Chemistry</i> , 2019, 21, 59-63.	4.6	31
98	Development and mechanistic investigation of the manganese( $\text{III}$ ) salen-catalyzed dehydrogenation of alcohols. <i>Chemical Science</i> , 2019, 10, 1150-1157.	3.7	53
99	Ruthenium-Catalyzed $\alpha$ -Alkylation of Secondary Alcohols and $\alpha$ -Alkylation of Ketones via Borrowing Hydrogen: Dramatic Influence of the Pendant $\alpha$ -Heterocycle. <i>Organometallics</i> , 2019, 38, 654-664.	1.1	63
100	$\text{B}(\text{C}_6\text{F}_5)_3$ -Catalyzed redox-neutral $\alpha$ -alkylation of tertiary amines using $\alpha$ -quinone methides via borrowing hydrogen. <i>Chemical Communications</i> , 2019, 55, 1217-1220.	2.2	55
101	Manganese catalyzed $\alpha$ -methylation of ketones with methanol as a C1 source. <i>Chemical Communications</i> , 2019, 55, 314-317.	2.2	90
102	Sustainable Alkylation of Nitriles with Alcohols by Manganese Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 7927-7935.	1.7	68
103	Sequential Catalytic Modification of the Lignin $\alpha$ -Ethoxylated $\alpha$ -O-4 Motif To Facilitate C=O Bond Cleavage by Ruthenium-Xantphos Catalyzed Hydrogen Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 0, .	3.2	8
104	Manganese(I)-Catalyzed Cross-Coupling of Ketones and Secondary Alcohols with Primary Alcohols. <i>ACS Omega</i> , 2019, 4, 10741-10754.	1.6	69
105	$\alpha$ -Alkylation of Ketones with Secondary Alcohols Catalyzed by Well-Defined $\text{Cp}^*\text{Co}(\text{III})$ -Complexes. <i>ChemSusChem</i> , 2019, 12, 3463-3467.	3.6	60
106	Nickel-catalyzed borrowing hydrogen annulations: access to diversified N-heterocycles. <i>Chemical Communications</i> , 2019, 55, 7844-7847.	2.2	53
107	Primary Benzylamines by Efficient N-Alkylation of Benzyl Alcohols Using Commercial Ni Catalysts and Easy-to-Handle Ammonia Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11267-11274.	3.2	50
108	The N-alkylation of sulfonamides with alcohols in water catalyzed by a water-soluble metal-ligand bifunctional iridium complex $[\text{Cp}^*\text{Ir}(\text{biimH}_2)(\text{H}_2\text{O})][\text{OTf}]_2$ . <i>New Journal of Chemistry</i> , 2019, 43, 10755-10762.	1.4	17
109	Homogenous Meets Heterogenous and Electro-Catalysis: Iron-Nitrogen Molecular Complexes within Carbon Materials for Catalytic Applications. <i>ChemCatChem</i> , 2019, 11, 3602-3625.	1.8	22



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110	A Microwave-Assisted SmI <sub>2</sub> -Catalyzed Direct <i>N</i> -Alkylation of Anilines with Alcohols. <i>Journal of Organic Chemistry</i> , 2019, 84, 7488-7494.	1.7	16
111	$\alpha$ -Alkylation of Nitriles with Alcohols Catalyzed by NNN <sup>+</sup> Pincer Ru(II) Complexes Bearing Bipyridyl Imidazoline Ligands. <i>Organometallics</i> , 2019, 38, 2156-2166.	1.1	29
112	Iron-Catalyzed Tandem Three-Component Alkylation: Access to $\alpha$ -Methylated Substituted Ketones. <i>Organic Letters</i> , 2019, 21, 3057-3061.	2.4	52
113	Cyano-borrowing reaction: nickel-catalyzed direct conversion of cyanohydrins and aldehydes/ketones to $\beta$ -cyano ketone. <i>Chemical Science</i> , 2019, 10, 5787-5792.	3.7	19
114	Choline Chloride-Based Deep Eutectic Systems in Sequential FriedlÄnder Reaction and Palladium-Catalyzed $\alpha$ -CH Functionalization of Methyl Ketones. <i>ACS Omega</i> , 2019, 4, 8046-8055.	1.6	26
115	$\alpha$ -Methylation of Ketones with Methanol Catalyzed by Ni/SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> . <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3694-3698.	1.2	21
116	Base-Promoted $\alpha$ -Alkylation of Arylacetonitriles with Alcohols. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2215-2219.	1.7	25
117	Alkylation of Aromatic Amines with Trialkyl Amines Catalyzed by a Defined Iridium Complex with a 2-Hydroxypyridylmethylene Fragment. <i>Organometallics</i> , 2019, 38, 2218-2226.	1.1	11
118	Iridium(I)-Catalyzed C-C and C-N Bond Formation Reactions via the Borrowing Hydrogen Strategy. <i>Journal of Organic Chemistry</i> , 2019, 84, 6286-6297.	1.7	69
119	Iridium-Catalyzed $\alpha$ -Methylation of $\alpha$ -Aryl Esters Using Methanol as the C1 Source. <i>Organic Letters</i> , 2019, 21, 3299-3303.	2.4	29
120	Manganese(I)-Catalyzed $\alpha$ -Alkenylation of Ketones Using Primary Alcohols. <i>Organic Letters</i> , 2019, 21, 3842-3847.	2.4	50
121	Base-Mediated Transition-Metal-Free Dehydrative C-C and C-N Bond-Forming Reactions from Alcohols. <i>Chemical Record</i> , 2019, 19, 2398-2435.	2.9	24
122	Manganese(III) Porphyrin-Catalyzed Dehydrogenation of Alcohols to form Imines, Tertiary Amines and Quinolines. <i>Chemistry - A European Journal</i> , 2019, 25, 6439-6446.	1.7	42
123	Reaction condition controlled nickel( <sup>ii</sup> )-catalyzed C-C cross-coupling of alcohols. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3567-3574.	1.5	65
124	Cooperative iridium complex-catalyzed synthesis of quinoxalines, benzimidazoles and quinazolines in water. <i>Green Chemistry</i> , 2019, 21, 1999-2004.	4.6	106
125	Iron-Catalysed Reductive Amination of Carbonyl Derivatives with $\alpha$ -Amino Fatty Acids to Access Cyclic Amines. <i>ChemSusChem</i> , 2019, 12, 3008-3012.	3.6	17
126	Manganese-catalyzed direct C-C coupling of $\alpha$ -C-H bonds of amides and esters with alcohols <i>via</i> hydrogen autotransfer. <i>Dalton Transactions</i> , 2019, 48, 7094-7099.	1.6	36
127	Switchable Access to Amines and Imines from Reductive Coupling of Nitroarenes with Alcohols Catalyzed by Biomass-Derived Cobalt Nanoparticles. <i>Catalysts</i> , 2019, 9, 116.	1.6	16



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128	Phosphineâ€NHC Manganese Hydrogenation Catalyst Exhibiting a Nonâ€Classical Metalâ€Ligand Cooperative H <sub>2</sub> Activation Mode. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6727-6731.	7.2	73
129	Ironâ€Catalyzed Borrowing Hydrogen <i>N</i> -Alkylation of Oxindoles with Alcohols. <i>ChemSusChem</i> , 2019, 12, 2345-2349.	3.6	57
130	Multiâ€Step Reactions Involving Ironâ€Catalysed Reduction and Hydrogen Borrowing Reactions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2471-2487.	1.0	21
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402	Synthesis of <i>N</i> -Heterocycles via Oxidant-Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25188-25202.	7.2	70
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409	New achievements on C-C bond formation in water catalyzed by metal complexes. <i>Coordination Chemistry Reviews</i> , 2021, 443, 213997.	9.5	18
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486	Asymmetric Ruthenium-Catalyzed Hydroalkylation of Racemic Allylic Alcohols for the Synthesis of Chiral Amino Acid Derivatives. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
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