Matthias Beller

List of Articles by Year
in descending order

748 peer-reviewed articles	73,586 peer-reviewed citations	317 136 peer-reviewed h-index	643 262 g-index
778 documents	82535 doc citations	408 143 h-index	47382 citing authors

#	Article	IF	Citations
1	Amino Acidâ€Based Ionic Liquidsâ€Aided CO2 Hydrogenation to Methanol. ChemSusChem, 2025, 18, .	6.2	10
2	COâ€Tolerant Heterogeneous Ruthenium Catalysts for Efficient Formic Acid Dehydrogenation. Angewandte Chemie - International Edition, 2025, 64, .	14.4	16
3	Combination of the structural components of amino acids with fatty acids: access to an unknown class of â€œfattyâ€Î±-amino acids by palladium-catalyzed amidocarbonylation. Organic Chemistry Frontiers, 2025, 12, 1748-1753.	4.4	0
4	A Highly Dispersed Heterogeneous Cobalt Catalyst for Efficient Domino Hydroformylation Reductive Amination of Olefins. Angewandte Chemie - International Edition, 2025, 64, .	14.4	9
5	Copper-Catalyzed Selective Amino-alkoxycarbonylation of Unactivated Alkenes with CO. Journal of the American Chemical Society, 2025, 147, 6464-6471.	15.0	20
6	Tandem reductive amination and deuteration over a phosphorus-modified iron center. Nature Communications, 2025, 16, .	13.7	12
7	Synthesis of aromatic amides from lignin and its derivatives. Nature Communications, 2025, 16, .	13.7	16
8	Photocatalytic synthesis of ethylene glycol and hydrogen from methyl tert-butyl ether. Nature Communications, 2025, 16, .	13.7	1
9	Homogeneous catalytic hydrogenation of CO2 â€“ amino acid-based capture and utilization. Chemical Society Reviews, 2025, 54, 5551-5585.	37.7	15
10	Development of highly efficient and selective palladium catalysts for telomerization of 1,3-butadiene with alcohols. Chemical Communications, 2025, 61, 9083-9086.	3.4	2
11	Enhancing Activation of D2O for Highly Efficient Deuteration Using an Feâ€“P Pair-Site Catalyst. Jacs Au, 2025, 5, 2666-2676.	6.5	3
12	Palladium-catalyzed methoxycarbonylation of a commodity CO2-sourced Î´-valerolactone. Molecular Catalysis, 2025, 585, 115376.	2.2	0
13	A catalytic approach to the valorization of polyesters and biogenic waste for the production of amines. CheM, 2025, 12, 102667.	16.6	7
14	Ironâ€Catalyzed Carbonylation Reactions with Carbon Monoxide. Angewandte Chemie - International Edition, 2025, 64, .	14.4	9
15	A Cobalt Nanocatalyst for the Hydrogenation and Oxidative Dehydrogenation of Nâ€heterocycles. ChemCatChem, 2024, 16, .	3.6	13
16	Regiodivergent Carbonylation of Alkenes: Selective Palladiumâ€Catalyzed Synthesis of Linear and Branched Selenoesters. Angewandte Chemie - International Edition, 2024, 63, .	14.4	19
17	Regiodivergent Carbonylation of Alkenes: Selective Palladiumâ€Catalyzed Synthesis of Linear and Branched Selenoesters. Angewandte Chemie, 2024, 136, .	1.4	2
18	Selective hydrogenation of amides and imides over heterogeneous Pt-based catalysts. Catalysis Science and Technology, 2024, 14, 90-97.	4.0	6

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19	Cobalt nanoparticle-catalysed N-alkylation of amides with alcohols. Green Chemistry, 2024, 26, 1471-1477.	9.1	10
20	An Improved Manganese Pincer Catalyst for low Temperature Hydrogenation of Carbon Monoxide to Methanol. ChemCatChem, 2024, 16, .	3.6	7
21	Airâ€Stable Manganese NNS Pincer Complexes Enable Ketone Reduction at Room Temperature. ChemCatChem, 2024, 16, .	3.6	9
22	Unprecedented Mo3S4 cluster-catalyzed radical Câ€“C cross-coupling reactions of aryl alkynes and acrylates. Dalton Transactions, 2024, 53, 4147-4153.	3.0	4
23	Cobalt-catalysed hydroformylation of epoxides in the presence of phosphine oxides. Catalysis Science and Technology, 2024, 14, 1524-1533.	4.0	8
24	Photocatalytic CO_2 Reduction Using CO_2 Binding Enzymes. Angewandte Chemie - International Edition, 2024, 63, .	14.4	41
25	Photokatalytische CO_2-Reduktion mit CO_2-bindenden Enzymen. Angewandte Chemie, 2024, 136, .	1.4	3
26	Synthesis of Guanamine-Based Ruthenium Pincer Complexes and Their Application in Catalytic (De)hydrogenation Reactions. Organometallics, 2024, 43, 2450-2457.	2.9	6
27	A manganese-based catalyst system for general oxidation of unactivated olefins, alkanes, and alcohols. Organic and Biomolecular Chemistry, 2024, 22, 2630-2642.	2.6	3
28	Hydrogenation of Esters Catalyzed by Bis(N-Heterocyclic Carbene) Molybdenum Complexes. ACS Catalysis, 2024, 14, 4082-4092.	12.4	14
29	A general atomically dispersed copper catalyst for Câ€“O, Câ€“N, and Câ€“C bond formation by carbene insertion reactions. CheM, 2024, 10, 1897-1909.	16.6	28
30	Highly (regio)selective hydroformylation of olefins using self-assembling phosphines. Organic and Biomolecular Chemistry, 2024, 22, 5850-5855.	2.6	4
31	Development of Ironâ€Based Single Atom Materials for General and Efficient Synthesis of Amines. Angewandte Chemie, 2024, 136, .	1.4	3
32	Development of Ironâ€Based Single Atom Materials for General and Efficient Synthesis of Amines. Angewandte Chemie - International Edition, 2024, 63, .	14.4	30
33	Modular and Diverse Synthesis of Acrylamides by Palladiumâ€Catalyzed Hydroaminocarbonylation of Acetylene. Angewandte Chemie, 2024, 136, .	1.4	1
34	Modular and Diverse Synthesis of Acrylamides by Palladiumâ€Catalyzed Hydroaminocarbonylation of Acetylene. Angewandte Chemie - International Edition, 2024, 63, .	14.4	15
35	Development of a practical formate/bicarbonate energy system. Nature Communications, 2024, 15, .	13.7	34
36	Combination of nanoparticles with single-metal sites synergistically boosts co-catalyzed formic acid dehydrogenation. Nature Communications, 2024, 15, .	13.7	48

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37	Efficient Hydrogenation of Nâ€Heterocycles Catalyzed by NNPâ€“Manganese(I) Pincer Complexes at Ambient Temperature. Chemistry - A European Journal, 2023, 29, .	3.4	36
38	Rhodiumâ€Catalyzed Formylation of Unactivated Alkyl Chlorides to Aldehydes. Chemistry - A European Journal, 2023, 29, .	3.4	6
39	Efficient Synthesis of Novel Plasticizers by Direct Palladiumâ€Catalyzed Diâ€or Multiâ€carbonylations. Angewandte Chemie - International Edition, 2023, 62, .	14.4	19
40	Homogenous Iron-Catalysed Deuteration of Electron-Rich Arenes and Heteroarenes. Synlett, 2023, 34, 332-336.	1.4	8
41	Development of a General and Selective Nanostructured Cobalt Catalyst for the Hydrogenation of Benzofurans, Indoles and Benzothiophenes. Angewandte Chemie - International Edition, 2023, 62, .	14.4	25
42	A metal-free protocol for the preparation of amines using ammonia borane under mild conditions. Organic Chemistry Frontiers, 2023, 10, 970-976.	4.4	8
43	Hydrogenation of Carboxylic Acids, Esters, and Related Compounds over Heterogeneous Catalysts: A Step toward Sustainable and Carbon-Neutral Processes. Chemical Reviews, 2023, 123, 1103-1165.	52.6	164
44	Activation of perfluoroalkyl iodides by anions: extending the scope of halogen bond activation to C(sp3)â€“H amidation, C(sp2)â€“H iodination, and perfluoroalkylation reactions. Chemical Science, 2023, 14, 1732-1741.	7.1	31
45	Efficient (Z)-selective semihydrogenation of alkynes catalyzed by air-stable imidazolyl amino molybdenum cluster sulfides. Inorganic Chemistry Frontiers, 2023, 10, 1786-1794.	6.3	11
46	An improved cobalt-catalysed alkoxycarbonylation of olefins using secondary phosphine oxide promotors. Catalysis Science and Technology, 2023, 13, 2475-2479.	4.0	7
47	Designing a Robust Palladium Catalyst for Formic Acid Dehydrogenation. ACS Catalysis, 2023, 13, 4835-4841.	12.4	61
48	Catalytic utilization of converter gas â€“ an industrial waste for the synthesis of pharmaceuticals. Chemical Science, 2023, 14, 4346-4350.	7.1	14
49	Industrially applied and relevant transformations of 1,3-butadiene using homogeneous catalysts. Industrial Chemistry & Materials, 2023, 1, 155-174.	13.7	48
50	{Î¼-2,2â€²-(Ethane-1,2-diyl)bis[4,6-bis(trimethylsilyl)-1,3-dihydrocyclopenta[c]pyrrol-5-one]}bis[tricarbonyliron(0)], IUCrData, 2023, 8, .	0.3	0
51	Cobalt-Catalyzed Multicomponent Carbonylation of Olefins: Efficient Synthesis of Î²-Perfluoroalkyl Imides, Amides, and Esters. ACS Catalysis, 2023, 13, 6744-6753.	12.4	35
52	Photocatalytic CO2 reduction with a TiO2-supported copper photosensitizer and an iron-based CO2 reduction catalyst. Catalysis Science and Technology, 2023, 13, 3940-3945.	4.0	4
53	Carbon neutral hydrogen storage and release cycles based on dual-functional roles of formamides. Nature Communications, 2023, 14, .	13.7	30
54	Methyl formate as a hydrogen energy carrier. Nature Catalysis, 2023, 6, 543-550.	41.0	100

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55	Bis(Nâ€Heterocyclic Carbene) Manganese(I) Complexes: Efficient and Simple Hydrogenation Catalysts. Angewandte Chemie - International Edition, 2023, 62, .	14.4	32
56	Bis(Nâ€Heterocyclic Carbene) Manganese(I) Complexes: Efficient and Simple Hydrogenation Catalysts. Angewandte Chemie, 2023, 135, .	1.4	6
57	Towards â€œhomeopathicâ€•palladium-catalysed alkoxycarbonylation of aliphatic and aromatic olefins. Chemical Communications, 2023, 59, 9505-9508.	3.4	9
58	Applying green chemistry principles to iron catalysis: mild and selective domino synthesis of pyrroles from nitroarenes. Chemical Science, 2023, 14, 11374-11380.	7.1	15
59	Streamlining the synthesis of amides using Nickel-based nanocatalysts. Nature Communications, 2023, 14, .	13.7	33
60	Teaching an Old Dog New Tricks: Simple Selective and Regiodivergent Quinoline Hydrogenation. ACS Sustainable Chemistry and Engineering, 2023, 11, 12853-12858.	6.9	9
61	Homogeneous Ironâ€Catalysed Oxidation Of Nonâ€Activated Alkanes With Hydrogen Peroxide. ChemCatChem, 2023, 15, .	3.6	9
62	Selective Dehydrogenation of Formic Acid Catalyzed by Airâ€Stable Cuboidal PN Molybdenum Sulfide Clusters. ChemCatChem, 2023, 15, .	3.6	7
63	Waterâ€Promoted Carbonâ€Carbon Bond Cleavage Employing a Reusable Fe Singleâ€Atom Catalyst. Angewandte Chemie - International Edition, 2023, 62, .	14.4	31
64	Synthesis of piperidines and pyridine from furfural over a surface single-atom alloy Ru1CoNP catalyst. Nature Communications, 2023, 14, .	13.7	64
65	A Lysineâ€Based System for CO 2 Capture and Catalytic Utilization to Produce Formates: Irreproducibility and Conflicting Reactivity. ChemistrySelect, 2023, 8, .	1.7	6
66	Waterâ€Promoted Carbonâ€Carbon Bond Cleavage Employing a Reusable Fe Singleâ€Atom Catalyst. Angewandte Chemie, 2023, 135, .	1.4	1
67	Atomically Dispersed Cobalt/Copper Dualâ€Metal Catalysts for Synergistically Boosting Hydrogen Generation from Formic Acid. Angewandte Chemie, 2023, 135, .	1.4	6
68	Atomically Dispersed Cobalt/Copper Dualâ€Metal Catalysts for Synergistically Boosting Hydrogen Generation from Formic Acid. Angewandte Chemie - International Edition, 2023, 62, .	14.4	51
69	Ni-Based Nanoparticles Catalyzed Hydrodeoxygenation of Ketones, Ethers, and Phenols to (Cyclo) Aliphatic Compounds. ACS Sustainable Chemistry and Engineering, 2023, 11, 15302-15314.	6.9	13
70	Synthesis of non-equivalent diamides and amido-esters via Pd-catalysed carbonylation. Nature Synthesis, 2023, 3, 202-213.	18.1	20
71	A general and robust Ni-based nanocatalyst for selective hydrogenation reactions at low temperature and pressure. Science Advances, 2023, 9, .	10.9	39
72	A Selective and General Cobaltâ€Catalyzed Hydroaminomethylation of Olefins to Amines. Angewandte Chemie - International Edition, 2022, 61, .	14.4	29

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73	A Selective and General Cobaltâ€Catalyzed Hydroaminomethylation of Olefins to Amines. Angewandte Chemie, 2022, 134, .	1.4	5
74	Cobalt single-atom catalysts for domino reductive amination and amidation of levulinic acid and related molecules to N-heterocycles. Chem Catalysis, 2022, 2, 178-194.	9.7	50
75	Iridiumâ€Catalyzed Domino Hydroformylation/Hydrogenation of Olefins to Alcohols: Synergy of Two Ligands. Chemistry - A European Journal, 2022, 28, .	3.4	18
76	Scalable and selective deuteration of (hetero)arenes. Nature Chemistry, 2022, 14, 334-341.	18.7	148
77	A Convenient and Stable Heterogeneous Nickel Catalyst for Hydrodehalogenation of Aryl Halides Using Molecular Hydrogen. ChemSusChem, 2022, 15, .	6.2	12
78	Cobaltâ€Catalysed Reductive Etherification Using Phosphine Oxide Promoters under Hydroformylation Conditions. Chemistry - A European Journal, 2022, 28, .	3.4	6
79	Ironâ€Catalyzed Epoxidation of Linear Î±â€Olefins with Hydrogen Peroxide. ChemCatChem, 2022, 14, .	3.6	13
80	A Simple LC-MS/MS Method for the Quantification of PDA-66 in Human Plasma. Molecules, 2022, 27, 974.	4.2	2
81	A â€œuniversalâ€•catalyst for aerobic oxidations to synthesize (hetero)aromatic aldehydes, ketones, esters, acids, nitriles, and amides. CheM, 2022, 8, 508-531.	16.6	79
82	(In situ) spectroscopic studies on state-of-the-art Pd(ii) catalysts in solution for the alkoxycarbonylation of alkenes. Catalysis Science and Technology, 2022, 12, 3175-3189.	4.0	11
83	A general synthesis of aromatic amides via palladium-catalyzed direct aminocarbonylation of aryl chlorides. Organic Chemistry Frontiers, 2022, 9, 2491-2497.	4.4	14
84	Recent Developments for the Deuterium and Tritium Labeling of Organic Molecules. Chemical Reviews, 2022, 122, 6634-6718.	52.6	560
85	Revisiting Reduction of CO2 to Oxalate with First-Row Transition Metals: Irreproducibility, Ambiguous Analysis, and Conflicting Reactivity. Jacs Au, 2022, 2, 731-744.	6.5	26
86	Low-Valent Molybdenum PNP Pincer Complexes as Catalysts for the Semihydrogenation of Alkynes. Organometallics, 2022, 41, 1797-1805.	2.9	28
87	Fast and selective reduction of nitroarenes under visible light with an earth-abundant plasmonic photocatalyst. Nature Nanotechnology, 2022, 17, 485-492.	32.2	181
88	Molecular Catalysts for the Reductive Homocoupling of CO2 towards C2+ Compounds. Angewandte Chemie, 2022, 134, .	1.4	21
89	Molecular Catalysts for the Reductive Homocoupling of CO2 towards C2+ Compounds. Angewandte Chemie - International Edition, 2022, 61, .	14.4	80
90	Efficient iron single-atom catalysts for selective ammoxidation of alcohols to nitriles. Nature Communications, 2022, 13, .	13.7	120

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91	Silicon-Enriched Nickel Nanoparticles for Hydrogenation of N-Heterocycles in Aqueous Media. ACS Applied Nano Materials, 2022, 5, 5625-5630.	5.3	24
92	Baseâ€Mediated Remote Deuteration of Nâ€Heteroarenes â€“ Broad Scope and Mechanism. European Journal of Organic Chemistry, 2022, 2022, .	2.3	22
93	Palladium-Catalyzed Methoxycarbonylation Investigated by Design of Experiments. ACS Sustainable Chemistry and Engineering, 2022, 10, 4822-4830.	6.9	14
94	Cobalt-catalysed CH-alkylation of indoles with alcohols by borrowing hydrogen methodology. Green Chemistry, 2022, 24, 4566-4572.	9.1	33
95	Manganeseâ€Catalysed Deuterium Labelling of Anilines and Electronâ€Rich (Hetero)Arenes. Angewandte Chemie - International Edition, 2022, 61, .	14.4	38
96	Catalytic oxidative dehydrogenation of N-heterocycles with nitrogen/phosphorus co-doped porous carbon materials. Chemical Science, 2022, 13, 6865-6872.	7.1	49
97	Reversible hydrogenation of carbon dioxide to formic acid using a Mn-pincer complex in the presence of lysine. Nature Energy, 2022, 7, 438-447.	50.7	238
98	Nickel-catalyzed hydrogenative coupling of nitriles and amines for general amine synthesis. Science, 2022, 376, 1433-1441.	36.3	137
99	Diastereoselective hydrogenation of arenes and pyridines using supported ruthenium nanoparticles under mild conditions. Chemical Communications, 2022, 58, 8842-8845.	3.4	12
100	Palladiumâ€Catalyzed Carbonylation of Allylic Chlorides to Î²,Î³â€Unsaturated Esters/Amides under Mild Conditions. European Journal of Organic Chemistry, 2022, 2022, .	2.3	5
101	Designing a Green Replacement for the Lindlar Catalyst for Alkyne Semi-hydrogenation Using Silica-Supported Nickel Nanoparticles Modified by N-Doped Carbon. ACS Sustainable Chemistry and Engineering, 2022, 10, 9787-9797.	6.9	21
102	A practical concept for catalytic carbonylations using carbon dioxide. Nature Communications, 2022, 13, .	13.7	70
103	Stable and reusable Ni-based nanoparticles for general and selective hydrogenation of nitriles to amines. Chemical Science, 2022, 13, 10914-10922.	7.1	41
104	The development of a lead-free replacement for the Lindlar catalyst for alkyne semi-hydrogenation using silica supported, N-doped carbon modified cobalt nanoparticles. Green Chemistry, 2022, 24, 6912-6922.	9.1	13
105	Hypervalent-iodine promoted selective cleavage of C(sp3)â€“C(sp3) bonds in ethers. Organic Chemistry Frontiers, 2022, 9, 5592-5598.	4.4	9
106	Improved CO2 Capture and Catalytic Hydrogenation Using Amino Acid Based Ionic Liquids. ChemSusChem, 2022, 15, .	6.2	47
107	Toward a Hydrogen Economy: Development of Heterogeneous Catalysts for Chemical Hydrogen Storage and Release Reactions. ACS Energy Letters, 2022, 7, 3734-3752.	17.0	104
108	Manganese N,N,N-pincer complex-catalyzed epoxidation of unactivated aliphatic olefins. Catalysis Science and Technology, 2022, 12, 7341-7348.	4.0	4

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109	Manganese Promoted (Bi)carbonate Hydrogenation and Formate Dehydrogenation: Toward a Circular Carbon and Hydrogen Economy. ACS Central Science, 2022, 8, 1457-1463.	9.2	33
110	Rh-catalyzed alkoxycarbonylation of unactivated alkyl chlorides. Chemical Science, 2022, 13, 13459-13465.	7.1	15
111	Toward a Practical Catalyst for Convenient Deaminative Hydrogenation of Amides under Mild Conditions. ACS Sustainable Chemistry and Engineering, 2022, 10, 16046-16054.	6.9	8
112	Recent Advances in Catalytic Hydrosilylations: Developments beyond Traditional Platinum Catalysts. Angewandte Chemie - International Edition, 2021, 60, 550-565.	14.4	315
113	Recent Advances in Catalytic Hydrosilylations: Developments beyond Traditional Platinum Catalysts. Angewandte Chemie, 2021, 133, 558-573.	1.4	25
114	A General and Highly Selective Palladiumâ€Catalyzed Hydroamidation of 1,3â€Diynes. Angewandte Chemie, 2021, 133, 375-383.	1.4	11
115	State-of-the-art palladium-catalyzed alkoxycarbonylations. Organic Chemistry Frontiers, 2021, 8, 799-811.	4.4	101
116	A General and Highly Selective Palladiumâ€Catalyzed Hydroamidation of 1,3â€Diynes. Angewandte Chemie - International Edition, 2021, 60, 371-379.	14.4	35
117	Ruthenium-catalysed hydroxycarbonylation of olefins. Catalysis Science and Technology, 2021, 11, 2026-2030.	4.0	12
118	Homogeneous and heterogeneous catalysts for hydrogenation of CO2 to methanol under mild conditions. Chemical Society Reviews, 2021, 50, 4259-4298.	37.7	307
119	Manganese-catalyzed selective Câ€“H activation and deuteration by means of a catalytic transient directing group strategy. Chemical Communications, 2021, 57, 1137-1140.	3.4	37
120	Efficient methylation of anilines with methanol catalysed by cyclometalated ruthenium complexes. Catalysis Science and Technology, 2021, 11, 2512-2517.	4.0	46
121	Two-photon, visible light water splitting at a molecular ruthenium complex. Energy and Environmental Science, 2021, 14, 4427-4436.	30.8	21
122	A general strategy for the synthesis of Î±-trifluoromethyl- and Î±-perfluoroalkyl-Î²-lactams via palladium-catalyzed carbonylation. Chemical Science, 2021, 12, 10467-10473.	7.1	28
123	An amino acid based system for CO2capture and catalytic utilization to produce formates. Chemical Science, 2021, 12, 6020-6024.	7.1	72
124	Copper-catalysed low-temperature waterâ€“gas shift reaction for selective deuteration of aryl halides. Chemical Science, 2021, 12, 14033-14038.	7.1	29
125	A direct synthesis of carboxylic acidsviaplatinum-catalysed hydroxycarbonylation of olefins. Catalysis Science and Technology, 2021, 11, 2703-2707.	4.0	10
126	Efficient Palladiumâ€Catalyzed Carbonylation of 1,3â€Dienes: Selective Synthesis of Adipates and Other Aliphatic Diesters. Angewandte Chemie - International Edition, 2021, 60, 9527-9533.	14.4	59

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127	A Unified Research Data Infrastructure for Catalysis Research â€“ Challenges and Concepts. ChemCatChem, 2021, 13, 3223-3236.	3.6	74
128	Catalytic Formal Hydroamination of Allylic Alcohols Using Manganese PNPâ€Pincer Complexes. Advanced Synthesis and Catalysis, 2021, 363, 4177-4181.	3.8	32
129	Efficient Palladiumâ€Catalyzed Carbonylation of 1,3â€Dienes: Selective Synthesis of Adipates and Other Aliphatic Diesters. Angewandte Chemie, 2021, 133, 9613-9619.	1.4	12
130	Siteâ€Selective Realâ€Time Observation of Bimolecular Electron Transfer in a Photocatalytic System Using Lâ€Edge Xâ€Ray Absorption Spectroscopy**. ChemPhysChem, 2021, 22, 693-700.	1.9	6
131	Oxalate production via oxidation of ascorbate rather than reduction of carbon dioxide. Nature Communications, 2021, 12, .	13.7	24
132	Cobalt-Catalyzed Hydroformylation under Mild Conditions in the Presence of Phosphine Oxides. ACS Sustainable Chemistry and Engineering, 2021, 9, 5148-5154.	6.9	49
133	3,3-Difluoroallyl ammonium salts: highly versatile, stable and selective gem-difluoroallylation reagents. Nature Communications, 2021, 12, .	13.7	46
134	Highly Scalable Conversion of Blood Protoporphyrin to Efficient Electrocatalyst for CO2â€toâ€CO Conversion. Advanced Materials Interfaces, 2021, 8, .	4.0	6
135	Mechanisms of CoII and Acid Jointly Catalyzed Domino Conversion of CO2, H2, and CH3OH to Dialkoxymethane: A DFT Study. ACS Catalysis, 2021, 11, 6908-6919.	12.4	13
136	Ambient Hydrogenation and Deuteration of Alkenes Using a Nanostructured Niâ€Coreâ€“Shell Catalyst. Angewandte Chemie - International Edition, 2021, 60, 18591-18598.	14.4	49
137	Ambient Hydrogenation and Deuteration of Alkenes Using a Nanostructured Niâ€Coreâ€“Shell Catalyst. Angewandte Chemie, 2021, 133, 18739-18746.	1.4	20
138	Rutheniumâ€Catalyzed Deuteration of Aromatic Carbonyl Compounds with a Catalytic Transient Directing Group. Chemistry - A European Journal, 2021, 27, 9768-9773.	3.4	22
139	Palladium-Catalyzed Domino Aminocarbonylation of Alkynols: Direct and Selective Synthesis of Itaconimides. Jacs Au, 2021, 1, 1257-1265.	6.5	16
140	Heteroleptic copper complexes with nitrogen and phosphorus ligands in photocatalysis: Overview and perspectives. Chem Catalysis, 2021, 1, 298-338.	9.7	72
141	From Mobile Phones to Catalysts: E-Waste-Derived Heterogeneous Copper Catalysts for Hydrogenation Reactions. ACS Sustainable Chemistry and Engineering, 2021, 9, 10062-10072.	6.9	21
142	Evaluation of combination protocols of the chemotherapeutic agent FX-9 with azacitidine, dichloroacetic acid, doxorubicin or carboplatin on prostate carcinoma cell lines. PLoS ONE, 2021, 16, e0256468.	2.3	3
143	Frontispiz: Ambient Hydrogenation and Deuteration of Alkenes Using a Nanostructured Niâ€Coreâ€“Shell Catalyst. Angewandte Chemie, 2021, 133, .	1.4	0
144	Synthesis of Nâ€Heterocycles via Oxidantâ€Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. Angewandte Chemie - International Edition, 2021, 60, 25188-25202.	14.4	110

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145	Synthesis of Nâ€Heterocycles via Oxidantâ€Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. Angewandte Chemie, 2021, 133, 25392-25406.	1.4	24
146	Aerobic iron-catalyzed site-selective C(sp3)â€“C(sp3) bond cleavage in N-heterocycles. Catalysis Communications, 2021, 157, 106333.	4.4	7
147	Palladiumâ€Catalyzed Cascade Carbonylation to Î±,Î²â€Unsaturated Piperidones via Selective Cleavage of Carbonâ€“Carbon Triple Bonds. Angewandte Chemie - International Edition, 2021, 60, 22393-22400.	14.4	25
148	Palladiumâ€Catalyzed Cascade Carbonylation to Î±,Î²â€Unsaturated Piperidones via Selective Cleavage of Carbonâ€“Carbon Triple Bonds. Angewandte Chemie, 2021, 133, 22567-22574.	1.4	7
149	Ruthenium-catalysed domino hydroformylationâ€“hydrogenationâ€“esterification of olefins. Catalysis Science and Technology, 2021, 11, 5777-5780.	4.0	7
150	HCOOH disproportionation to MeOH promoted by molybdenum PNP complexes. Chemical Science, 2021, 12, 13101-13119.	7.1	18
151	Single-Atom (Iron-Based) Catalysts: Synthesis and Applications. Chemical Reviews, 2021, 121, 13620-13697.	52.6	344
152	Novel chemotherapeutic agent FX-9 activates NF-ÎºB signaling and induces G1 phase arrest by activating CDKN1A in a human prostate cancer cell line. BMC Cancer, 2021, 21, .	2.9	2
153	Recent Progress in Transition-Metal-Catalyzed Asymmetric Reductive Amination. ACS Catalysis, 2021, 11, 13809-13837.	12.4	133
154	Reusable Co-nanoparticles for general and selective N-alkylation of amines and ammonia with alcohols. Chemical Science, 2021, 13, 111-117.	7.1	73
155	Silica-supported Fe/Feâ€“O nanoparticles for the catalytic hydrogenation of nitriles to amines in the presence of aluminium additives. Nature Catalysis, 2021, 5, 20-29.	41.0	151
156	Addressing the Reproducibility of Photocatalytic Carbon Dioxide Reduction. ChemCatChem, 2020, 12, 1603-1608.	3.6	18
157	Development of a practical non-noble metal catalyst for hydrogenation of N-heteroarenes. Nature Catalysis, 2020, 3, 135-142.	41.0	181
158	Versatile Fluorinated Building Blocks by Stereoselective (Per)fluoroalkenylation of Ketones. European Journal of Organic Chemistry, 2020, 2020, 70-81.	2.3	14
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