

Kathrin Junge

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

303
papers

22,174
citations

80
h-index

135
g-index

328
ext. papers

24,622
ext. citations

8.4
avg, IF

7.43
L-index

#	Paper	IF	Citations
303	Scalable and selective deuteration of (hetero)arenes.. <i>Nature Chemistry</i> , 2022 ,	17.6	5
302	A Convenient and Stable Heterogeneous Nickel Catalyst for Hydrodehalogenation of Aryl Halides Using Molecular Hydrogen.. <i>ChemSusChem</i> , 2022 ,	8.3	1
301	A Convenient and Stable Heterogeneous Nickel Catalyst for Hydrodehalogenation of Aryl Halides Using Molecular Hydrogen.. <i>ChemSusChem</i> , 2022 , e202200248	8.3	0
300	Recent Developments for the Deuterium and Tritium Labeling of Organic Molecules.. <i>Chemical Reviews</i> , 2022 ,	68.1	20
299	Catalytic Formal Hydroamination of Allylic Alcohols Using Manganese PNP-Pincer Complexes. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 4177-4181	5.6	7
298	Development of Bulk Organic Chemical Processes History, Status, and Opportunities for Academic Research. <i>CCS Chemistry</i> , 2021 , 3, 512-530	7.2	6
297	Recent Advances in Catalytic Hydrosilylations: Developments beyond Traditional Platinum Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 550-565	16.4	50
296	Copper-catalysed low-temperature water-gas shift reaction for selective deuteration of aryl halides. <i>Chemical Science</i> , 2021 , 12, 14033-14038	9.4	3
295	From Mobile Phones to Catalysts: E-Waste-Derived Heterogeneous Copper Catalysts for Hydrogenation Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 10062-10072	8.3	3
294	Aerobic iron-catalyzed site-selective C(sp ³)–C(sp ³) bond cleavage in N-heterocycles. <i>Catalysis Communications</i> , 2021 , 157, 106333	3.2	0
293	HCOOH disproportionation to MeOH promoted by molybdenum PNP complexes. <i>Chemical Science</i> , 2021 , 12, 13101-13119	9.4	3
292	Catalytic oxidations by dehydrogenation of alkanes, alcohols and amines with defined (non)-noble metal pincer complexes. <i>Catalysis Science and Technology</i> , 2020 , 10, 3825-3842	5.5	20
291	Synthesis of Molybdenum Pincer Complexes and Their Application in the Catalytic Hydrogenation of Nitriles. <i>ChemCatChem</i> , 2020 , 12, 4543-4549	5.2	10
290	Iron/N-doped graphene nano-structured catalysts for general cyclopropanation of olefins. <i>Chemical Science</i> , 2020 , 11, 6217-6221	9.4	6
289	A General Regioselective Synthesis of Alcohols by Cobalt-Catalyzed Hydrogenation of Epoxides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11321-11324	16.4	12
288	Convenient synthesis of cobalt nanoparticles for the hydrogenation of quinolines in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 4820-4826	5.5	8
287	Homogeneous cobalt-catalyzed deoxygenative hydrogenation of amides to amines. <i>Catalysis Science and Technology</i> , 2020 , 10, 6116-6128	5.5	8

286	Application of Crabtree/Pfaltz-Type Iridium Complexes for the Catalyzed Asymmetric Hydrogenation of an Agrochemical Building Block. <i>Organic Process Research and Development</i> , 2020 , 24, 443-447	3.9	7
285	Selective Acceptorless Dehydrogenation of Primary Amines to Imines by Core-Shell Cobalt Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7501-7507	16.4	19
284	A General Regioselective Synthesis of Alcohols by Cobalt-Catalyzed Hydrogenation of Epoxides. <i>Angewandte Chemie</i> , 2020 , 132, 11417-11420	3.6	5
283	A State-of-the-Art Heterogeneous Catalyst for Efficient and General Nitrile Hydrogenation. <i>Chemistry - A European Journal</i> , 2020 , 26, 15589-15595	4.8	9
282	Chemoselective semihydrogenation of alkynes catalyzed by manganese(I)-PNP pincer complexes. <i>Catalysis Science and Technology</i> , 2020 , 10, 3994-4001	5.5	21
281	Homogeneous Cobalt-Catalysed Hydrogenation Reactions 2020 , 25-66		2
280	Development of a practical non-noble metal catalyst for hydrogenation of N-heteroarenes. <i>Nature Catalysis</i> , 2020 , 3, 135-142	36.5	55
279	Cascade Synthesis of Pyrroles from Nitroarenes with Benign Reductants Using a Heterogeneous Cobalt Catalyst. <i>Angewandte Chemie</i> , 2020 , 132, 18838-18844	3.6	3
278	Cascade Synthesis of Pyrroles from Nitroarenes with Benign Reductants Using a Heterogeneous Cobalt Catalyst. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18679-18685	16.4	10
277	Zinc(II) acetate Catalyzed Depolymerization of Poly(ethylene terephthalate). <i>ChemistrySelect</i> , 2020 , 5, 10010-10014	1.8	6
276	Additive-Free Nickel-Catalyzed Debenzylation Reactions via Hydrogenative C α -C β Bond Cleavage. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17107-17113	8.3	6
275	Molecularly Defined Manganese Catalyst for Low-Temperature Hydrogenation of Carbon Monoxide to Methanol. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16923-16929	16.4	36
274	Manganese Catalyzed Asymmetric Transfer Hydrogenation of Ketones Using Chiral Oxamide Ligands. <i>Synlett</i> , 2019 , 30, 503-507	2.2	26
273	Practical Catalytic Cleavage of C(sp ³)-C(sp ³) Bonds in Amines. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10693-10697	16.4	18
272	Iron-catalysed regioselective hydrogenation of terminal epoxides to alcohols under mild conditions. <i>Nature Catalysis</i> , 2019 , 2, 523-528	36.5	23
271	Iron-PNP-Pincer-Catalyzed Transfer Dehydrogenation of Secondary Alcohols. <i>ChemSusChem</i> , 2019 , 12, 2988-2993	8.3	8
270	General and Chemoselective Copper Oxide Catalysts for Hydrogenation Reactions. <i>ACS Catalysis</i> , 2019 , 9, 4302-4307	13.1	32
269	Cobalt pincer complexes for catalytic reduction of nitriles to primary amines. <i>Catalysis Science and Technology</i> , 2019 , 9, 1779-1783	5.5	26

268	Cobalt-Catalyzed Aqueous Dehydrogenation of Formic Acid. <i>Chemistry - A European Journal</i> , 2019 , 25, 8459-8464	4.8	29
267	Heterogeneous nickel-catalysed reversible, acceptorless dehydrogenation of N-heterocycles for hydrogen storage. <i>Chemical Communications</i> , 2019 , 55, 4969-4972	5.8	30
266	Enantioselective Hydrogenation of Ketones using Different Metal Complexes with a Chiral PNP Pincer Ligand. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 1913-1920	5.6	28
265	Zinc single atoms on N-doped carbon: An efficient and stable catalyst for CO ₂ fixation and conversion. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1679-1685	11.3	15
264	Improved Bimetallic Cobalt-Manganese Catalysts for Selective Oxidative Cleavage of Morpholine Derivatives. <i>ACS Catalysis</i> , 2019 , 9, 11125-11129	13.1	7
263	Transfer-dehydrogenation of secondary alcohols catalyzed by manganese NNN-pincer complexes. <i>Chemical Communications</i> , 2019 , 55, 14143-14146	5.8	12
262	Highly selective hydrogenation of amides catalysed by a molybdenum pincer complex: scope and mechanism. <i>Chemical Science</i> , 2019 , 10, 10566-10576	9.4	25
261	Cobalt-Pincer Complexes in Catalysis. <i>Chemistry - A European Journal</i> , 2019 , 25, 122-143	4.8	96
260	Exploring the activities of vanadium, niobium, and tantalum-PNP pincer complexes in the hydrogenation of phenyl-substituted C N, C N, C C, C C, and C O functional groups. <i>Comptes Rendus Chimie</i> , 2018 , 21, 303-309	2.7	5
259	Hydrogenation of Pyridines Using a Nitrogen-Modified Titania-Supported Cobalt Catalyst. <i>Angewandte Chemie</i> , 2018 , 130, 14696-14700	3.6	6
258	Exploring the mechanisms of aqueous methanol dehydrogenation catalyzed by defined PNP Mn and Re pincer complexes under base-free as well as strong base conditions. <i>Catalysis Science and Technology</i> , 2018 , 8, 3649-3665	5.5	25
257	Heterogeneous Iron-Catalyzed Hydrogenation of Nitroarenes under Water-Gas Shift Reaction Conditions. <i>Synthesis</i> , 2018 , 50, 4369-4376	2.9	5
256	Tailored Cobalt-Catalysts for Reductive Alkylation of Anilines with Carboxylic Acids under Mild Conditions. <i>Angewandte Chemie</i> , 2018 , 130, 11847-11851	3.6	14
255	Tailored Cobalt-Catalysts for Reductive Alkylation of Anilines with Carboxylic Acids under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11673-11677	16.4	28
254	Cobalt Complexes as an Emerging Class of Catalysts for Homogeneous Hydrogenations. <i>Accounts of Chemical Research</i> , 2018 , 51, 1858-1869	24.3	104
253	Intermetallic nickel silicide nanocatalyst-A non-noble metal-based general hydrogenation catalyst. <i>Science Advances</i> , 2018 , 4, eaat0761	14.3	72
252	Bridging homogeneous and heterogeneous catalysis by heterogeneous single-metal-site catalysts. <i>Nature Catalysis</i> , 2018 , 1, 385-397	36.5	461
251	Hydrogenation of Pyridines Using a Nitrogen-Modified Titania-Supported Cobalt Catalyst. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14488-14492	16.4	29

250	Cobalt Pincer Complexes for Catalytic Reduction of Carboxylic Acid Esters. <i>Chemistry - A European Journal</i> , 2018 , 24, 1046-1052	4.8	51
249	Benzyl Alcohol Dehydrogenative Coupling Catalyzed by Defined Mn and Re PNP Pincer Complexes: A Computational Mechanistic Study. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4643-4657	2.3	9
248	A robust iron catalyst for the selective hydrogenation of substituted (iso)quinolones. <i>Chemical Science</i> , 2018 , 9, 8134-8141	9.4	39
247	Molecular Defined Molybdenum Pincer Complexes and Their Application in Catalytic Hydrogenations. <i>Organometallics</i> , 2018 , 37, 4402-4408	3.8	12
246	Improved and General Manganese-Catalyzed N-Methylation of Aromatic Amines Using Methanol. <i>Chemistry - A European Journal</i> , 2017 , 23, 5410-5413	4.8	147
245	Selective Hydrogenation of Nitriles to Primary Amines by using a Cobalt Phosphine Catalyst. <i>ChemSusChem</i> , 2017 , 10, 842-846	8.3	74
244	Selective Semihydrogenation of Alkynes with N-Graphitic-Modified Cobalt Nanoparticles Supported on Silica. <i>ACS Catalysis</i> , 2017 , 7, 1526-1532	13.1	84
243	A Stable Manganese Pincer Catalyst for the Selective Dehydrogenation of Methanol. <i>Angewandte Chemie</i> , 2017 , 129, 574-577	3.6	31
242	A General and Highly Selective Cobalt-Catalyzed Hydrogenation of N-Heteroarenes under Mild Reaction Conditions. <i>Angewandte Chemie</i> , 2017 , 129, 3264-3268	3.6	43
241	Efficient and selective hydrogenation of amides to alcohols and amines using a well-defined manganese-PNN pincer complex. <i>Chemical Science</i> , 2017 , 8, 3576-3585	9.4	140
240	A General and Highly Selective Cobalt-Catalyzed Hydrogenation of N-Heteroarenes under Mild Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3216-3220	16.4	111
239	Non-Pincer-Type Manganese Complexes as Efficient Catalysts for the Hydrogenation of Esters. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7531-7534	16.4	132
238	Co-based heterogeneous catalysts from well-defined diimine complexes: Discussing the role of nitrogen. <i>Journal of Catalysis</i> , 2017 , 351, 79-89	7.3	52
237	Non-Pincer-Type Manganese Complexes as Efficient Catalysts for the Hydrogenation of Esters. <i>Angewandte Chemie</i> , 2017 , 129, 7639-7642	3.6	33
236	Hydrogenation of phenyl-substituted CN, CN,CC, CC and CO functional groups by Cr, Mo and W PNP pincer complexes: A DFT study. <i>Catalysis Science and Technology</i> , 2017 , 7, 2298-2307	5.5	11
235	A Stable Manganese Pincer Catalyst for the Selective Dehydrogenation of Methanol. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 559-562	16.4	129
234	A stable and practical nickel catalyst for the hydrogenolysis of C-O bonds. <i>Green Chemistry</i> , 2017 , 19, 305-310	10	35
233	Synthesis of Single Atom Based Heterogeneous Platinum Catalysts: High Selectivity and Activity for Hydrosilylation Reactions. <i>ACS Central Science</i> , 2017 , 3, 580-585	16.8	90

232	A Biomass-Derived Non-Noble Cobalt Catalyst for Selective Hydrodehalogenation of Alkyl and (Hetero)Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11242-11247	16.4	64
231	A Biomass-Derived Non-Noble Cobalt Catalyst for Selective Hydrodehalogenation of Alkyl and (Hetero)Aryl Halides. <i>Angewandte Chemie</i> , 2017 , 129, 11394-11399	3.6	18
230	Innenrücktitelbild: Non-Pincer-Type Manganese Complexes as Efficient Catalysts for the Hydrogenation of Esters (Angew. Chem. 26/2017). <i>Angewandte Chemie</i> , 2017 , 129, 7787-7787	3.6	
229	Unprecedented selective homogeneous cobalt-catalysed reductive alkoxylation of cyclic imides under mild conditions. <i>Chemical Science</i> , 2017 , 8, 5536-5546	9.4	23
228	Cobalt-catalysed transfer hydrogenation of quinolines and related heterocycles using formic acid under mild conditions. <i>Catalysis Science and Technology</i> , 2017 , 7, 1981-1985	5.5	38
227	Chemoselective Hydrogenation of Nitroarenes Catalyzed by Molybdenum Sulphide Clusters. <i>ChemCatChem</i> , 2017 , 9, 1128-1134	5.2	32
226	Utilization of CO ₂ as a C1 Building Block for Catalytic Methylation Reactions. <i>ACS Catalysis</i> , 2017 , 7, 1077-1086	10.86	168
225	Front Cover: Homogeneous Catalysis by Manganese-Based Pincer Complexes (Eur. J. Org. Chem. 30/2017). <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4343-4343	3.2	
224	Manganese(I)-Catalyzed Enantioselective Hydrogenation of Ketones Using a Defined Chiral PNP Pincer Ligand. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11237-11241	16.4	131
223	Manganese(I)-Catalyzed Enantioselective Hydrogenation of Ketones Using a Defined Chiral PNP Pincer Ligand. <i>Angewandte Chemie</i> , 2017 , 129, 11389-11393	3.6	44
222	Efficient and Selective N-Methylation of Nitroarenes under Mild Reaction Conditions. <i>Chemistry - A European Journal</i> , 2017 , 23, 13205-13212	4.8	26
221	Biomass-Derived Catalysts for Selective Hydrogenation of Nitroarenes. <i>ChemSusChem</i> , 2017 , 10, 3035-3039	8.39	52
220	Homogeneous Catalysis by Manganese-Based Pincer Complexes. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4344-4362	3.2	233
219	Selective cobalt nanoparticles for catalytic transfer hydrogenation of N-heteroarenes. <i>Chemical Science</i> , 2017 , 8, 6239-6246	9.4	55
218	Molecularly Defined Manganese Pincer Complexes for Selective Transfer Hydrogenation of Ketones. <i>ChemSusChem</i> , 2017 , 10, 83-86	8.3	126
217	Cobalt-catalysed reductive C-H alkylation of indoles using carboxylic acids and molecular hydrogen. <i>Chemical Science</i> , 2017 , 8, 6439-6450	9.4	33
216	2-(1S)-Camphanoyloxy-2'-phosphanylbiaryl Ligands: Synthesis, Structure, and Preliminary Tests in Transition-Metal Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2762-2773	2.3	1
215	Esters, Including Triglycerides, and Hydrogen as Feedstocks for the Ruthenium-Catalyzed Direct N-Alkylation of Amines. <i>Angewandte Chemie</i> , 2016 , 128, 11215-11219	3.6	12

214	Selective catalytic two-step process for ethylene glycol from carbon monoxide. <i>Nature Communications</i> , 2016 , 7, 12075	17.4	24
213	Highly selective hydrogenation of arenes using nanostructured ruthenium catalysts modified with a carbon-nitrogen matrix. <i>Nature Communications</i> , 2016 , 7, 11326	17.4	124
212	Efficient and selective N-alkylation of amines with alcohols catalysed by manganese pincer complexes. <i>Nature Communications</i> , 2016 , 7, 12641	17.4	397
211	Stable and Inert Cobalt Catalysts for Highly Selective and Practical Hydrogenation of C≡N and C=O Bonds. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8781-8	16.4	99
210	A General and Selective Rhodium-Catalyzed Reduction of Amides, N-Acyl Amino Esters, and Dipeptides Using Phenylsilane. <i>Chemistry - A European Journal</i> , 2016 , 22, 7050-3	4.8	30
209	Efficient Base-Free Hydrogenation of Amides to Alcohols and Amines Catalyzed by Well-Defined Pincer Imidazolyl Ruthenium Complexes. <i>ACS Catalysis</i> , 2016 , 6, 47-54	13.1	69
208	Synthesis of Nickel Nanoparticles with N-Doped Graphene Shells for Catalytic Reduction Reactions. <i>ChemCatChem</i> , 2016 , 8, 129-134	5.2	52
207	Towards a general ruthenium-catalyzed hydrogenation of secondary and tertiary amides to amines. <i>Chemical Science</i> , 2016 , 7, 3432-3442	9.4	87
206	Fe ₂ O ₃ /NGr@C- and Co ₃ O ₄ /NGr@C-catalysed hydrogenation of nitroarenes under mild conditions. <i>Catalysis Science and Technology</i> , 2016 , 6, 4473-4477	5.5	47
205	Conversion of Poly(methylhydrosiloxane) Waste to Useful Commodities. <i>Catalysis Letters</i> , 2016 , 146, 345-352	2.8	10
204	Improved Second Generation Iron Pincer Complexes for Effective Ester Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 820-825	5.6	81
203	A comparative computationally study about the defined M(II) pincer hydrogenation catalysts (M = Fe, Ru, Os). <i>Journal of Computational Chemistry</i> , 2016 , 37, 168-76	3.5	35
202	Selective Catalytic Hydrogenations of Nitriles, Ketones, and Aldehydes by Well-Defined Manganese Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8809-14	16.4	375
201	Selective Ruthenium-Catalyzed Reductive Alkoxylation and Amination of Cyclic Imides. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 387-91	16.4	23
200	Depolymerization of end-of-life poly(dimethylsilazane) with boron trifluoride diethyl etherate to produce difluorodimethylsilane as useful commodity. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 1189-1193	1	1
199	Hydrogenation of Esters to Alcohols Catalyzed by Defined Manganese Pincer Complexes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15364-15368	16.4	220
198	A general protocol for the reductive N-methylation of amines using dimethyl carbonate and molecular hydrogen: mechanistic insights and kinetic studies. <i>Catalysis Science and Technology</i> , 2016 , 6, 7956-7966	5.5	51
197	Hydrogenation of Esters to Alcohols Catalyzed by Defined Manganese Pincer Complexes. <i>Angewandte Chemie</i> , 2016 , 128, 15590-15594	3.6	76

196	Palladium-Catalyzed Synthesis of Alkylated Amines from Aryl Ethers or Phenols. <i>ACS Catalysis</i> , 2016 , 6, 7834-7838	13.1	22
195	Esters, Including Triglycerides, and Hydrogen as Feedstocks for the Ruthenium-Catalyzed Direct N-Alkylation of Amines. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11049-53	16.4	27
194	Lewis acid promoted ruthenium(II)-catalyzed etherifications by selective hydrogenation of carboxylic acids/esters. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5196-200	16.4	78
193	Zinc-Catalyzed Depolymerization Reactions 2015 , 207-218		
192	Introduction: Zinc Catalysts for Organic Transformations 2015 , 1-4		1
191	Synthesis and Characterization of Iron-Nitrogen-Doped Graphene/Core-Shell Catalysts: Efficient Oxidative Dehydrogenation of N-Heterocycles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10652-4	16.4	223
190	Reduction of Nitroarenes Using CO and H ₂ O in the Presence of a Nanostructured Cobalt Oxide/Nitrogen-Doped Graphene (NGr) Catalyst. <i>Synlett</i> , 2015 , 26, 313-317	2.2	23
189	Hydrogenation using iron oxide-based nanocatalysts for the synthesis of amines. <i>Nature Protocols</i> , 2015 , 10, 548-57	18.8	106
188	Catalytic N-Alkylation of Amines Using Carboxylic Acids and Molecular Hydrogen. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13580-7	16.4	60
187	Selective Catalytic Hydrogenation of Heteroarenes with N-Graphene-Modified Cobalt Nanoparticles (Co ₃ O ₄ -Co/NGr@FeAl ₂ O ₃). <i>Journal of the American Chemical Society</i> , 2015 , 137, 11718-24	16.4	176
186	Synthesis of Amines by Reductive Amination of Aldehydes and Ketones using Co ₃ O ₄ /NGr@C Catalyst. <i>ChemCatChem</i> , 2015 , 7, 62-64	5.2	56
185	Iron-catalyzed depolymerization of polysiloxanes to produce dichlorodimethylsilane, diacetoxymethylsilane, or dimethoxydimethylsilane. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	11
184	Highly selective transfer hydrogenation of functionalised nitroarenes using cobalt-based nanocatalysts. <i>Green Chemistry</i> , 2015 , 17, 898-902	10	109
183	Direct Ruthenium-Catalyzed Hydrogenation of Carboxylic Acids to Alcohols. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10596-9	16.4	88
182	Pincer-Type Complexes for Catalytic (De)Hydrogenation and Transfer (De)Hydrogenation Reactions: Recent Progress. <i>Chemistry - A European Journal</i> , 2015 , 21, 12226-50	4.8	259
181	Convenient Reductive Methylation of Amines with Carbonates at Room Temperature. <i>Chemistry - A European Journal</i> , 2015 , 21, 16759-63	4.8	29
180	Selective rhodium-catalyzed reduction of tertiary amides in amino acid esters and peptides. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12389-93	16.4	50
179	A Mild and Chemoselective Reduction of Nitro and Azo Compounds Catalyzed by a Well-Defined Mo ₃ S ₄ Cluster Bearing Diamine Ligands. <i>ChemCatChem</i> , 2015 , 7, 2675-2681	5.2	32

178	Depolymerization protocol for linear, branched, and crosslinked end-of-life silicones with boron trifluoride diethyl etherate as the depolymerization reagent. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	8
177	Iron-catalyzed depolymerizations of silicones with hexanoic anhydride provide a potential recycling method for end-of-life polymers. <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 778-785	3	9
176	Hydrogenation of Aliphatic and Aromatic Nitriles Using a Defined Ruthenium PNP Pincer Catalyst. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 5944-5948	3.2	43
175	Direct Ruthenium-Catalyzed Hydrogenation of Carboxylic Acids to Alcohols. <i>Angewandte Chemie</i> , 2015 , 127, 10742-10745	3.6	37
174	Cobalt-based nanocatalysts for green oxidation and hydrogenation processes. <i>Nature Protocols</i> , 2015 , 10, 916-26	18.8	96
173	Lewis Acid Promoted Ruthenium(II)-Catalyzed Etherifications by Selective Hydrogenation of Carboxylic Acids/Esters. <i>Angewandte Chemie</i> , 2015 , 127, 5285-5289	3.6	40
172	A Mild and Selective Reduction of β -Lactams: Rh-Catalyzed Hydrosilylation towards Important Pharmacological Building Blocks. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 1915-1919	3.2	17
171	Nitrous Oxide-dependent Iron-catalyzed Coupling Reactions of Grignard Reagents. <i>Chimia</i> , 2015 , 69, 327-30	1.3	2
170	Synthesis of Mixed Silylene-Carbene Chelate Ligands from N-Heterocyclic Silylcarbenes Mediated by Nickel. <i>Angewandte Chemie</i> , 2015 , 127, 2242-2246	3.6	21
169	Exploring the Reactivity of Nickel Pincer Complexes in the Decomposition of Formic Acid to CO ₂ /H ₂ and the Hydrogenation of NaHCO ₃ to HCOONa. <i>ChemCatChem</i> , 2015 , 7, 65-69	5.2	79
168	Relay iron/chiral Brønsted acid catalysis: enantioselective hydrogenation of benzoxazinones. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2763-8	16.4	77
167	A general catalytic hydroamidation of 1,3-dienes: atom-efficient synthesis of N-allyl heterocycles, amides, and sulfonamides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1630-5	16.4	45
166	Zinc-Catalyzed Depolymerization of Polyethers to Produce Valuable Building Blocks. <i>Catalysis Letters</i> , 2014 , 144, 850-859	2.8	9
165	Zinc-catalyzed depolymerization of end-of-life polysiloxanes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2716-21	16.4	32
164	Low-temperature depolymerization of polysiloxanes with iron catalysis. <i>ChemSusChem</i> , 2014 , 7, 2030-6	8.3	17
163	Mild Hydrosilylation of Amides by Platinum N-Heterocyclic Carbene Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2345-2349	2.3	24
162	Catalytic Hydrogenation of Carboxylic Acid Esters, Amides, and Nitriles with Homogeneous Catalysts. <i>Organic Process Research and Development</i> , 2014 , 18, 289-302	3.9	281
161	Selective catalytic transfer hydrogenation of nitriles to primary amines using Pd/C. <i>Catalysis Science and Technology</i> , 2014 , 4, 629	5.5	76

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158	Palladium-catalysed regioselective hydroamination of 1,3-dienes: synthesis of allylic amines. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 368	5.2	41
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151	Iridium-Catalyzed Hydrogenation of Carboxylic Acid Esters. <i>ChemCatChem</i> , 2014 , 6, 2810-2814	5.2	54
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12	Efficient transfer hydrogenation of ketones in the presence of ruthenium N-heterocyclic carbene catalysts. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 4652-4659	2.3	68
11	Biomimetic transfer hydrogenation of ketones with iron porphyrin catalysts. <i>Tetrahedron Letters</i> , 2006 , 47, 8095-8099	2	106
10	An environmentally benign process for the hydrogenation of ketones with homogeneous iron catalysts. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 598-604	4.5	128
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8	Enantioselective hydrogenation of beta-ketoesters with monodentate ligands. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5066-9	16.4	53
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6	Synthesis of chiral monodentate binaphthophosphine ligands and their application in asymmetric hydrogenations. <i>Tetrahedron: Asymmetry</i> , 2004 , 15, 2621-2631		54
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