

Kathrin Junge

List of Publications by Citations

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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	Sustainable metal catalysis with iron: from rust to a rising star?. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3317-21	16.4	1032
302	Carbon dioxide and formic acid: the couple for environmental-friendly hydrogen storage?. <i>Energy and Environmental Science</i> , 2010 , 3, 1207	35.4	542
301	Heterogenized cobalt oxide catalysts for nitroarene reduction by pyrolysis of molecularly defined complexes. <i>Nature Chemistry</i> , 2013 , 5, 537-43	17.6	513
300	Bridging homogeneous and heterogeneous catalysis by heterogeneous single-metal-site catalysts. <i>Nature Catalysis</i> , 2018 , 1, 385-397	36.5	461
299	Homogeneous catalysis using iron complexes: recent developments in selective reductions. <i>Chemical Communications</i> , 2011 , 47, 4849-59	5.8	400
298	Efficient and selective N-alkylation of amines with alcohols catalysed by manganese pincer complexes. <i>Nature Communications</i> , 2016 , 7, 12641	17.4	397
297	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
296	Eisenkatalyse – ein nachhaltiges Prinzip mit Perspektive?. <i>Angewandte Chemie</i> , 2008 , 120, 3363-3367	3.6	370
295	Palladium-catalysed hydroxylation and alkoxylation. <i>Chemical Society Reviews</i> , 2011 , 40, 4912-24	58.5	308
294	Zinc-catalyzed reduction of amides: unprecedented selectivity and functional group tolerance. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1770-1	16.4	307
293	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
292	Selective reduction of carboxylic acid derivatives by catalytic hydrosilylation. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6004-11	16.4	278
291	General and selective iron-catalyzed transfer hydrogenation of nitroarenes without base. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12875-9	16.4	277
290	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
289	A convenient and general iron-catalyzed reduction of amides to amines. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9507-10	16.4	245
288	Iron-catalyzed enantioselective hydrosilylation of ketones. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2497-501	16.4	245
287	Hydrogenation of esters to alcohols with a well-defined iron complex. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8722-6	16.4	239

286	Homogeneous Catalysis by Manganese-Based Pincer Complexes. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4344-4362	3.2	233
285	Mild and selective hydrogenation of aromatic and aliphatic (di)nitriles with a well-defined iron pincer complex. <i>Nature Communications</i> , 2014 , 5, 4111	17.4	229
284	Selective methylation of amines with carbon dioxide and H ₂ . <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12156-60	16.4	228
283	Cooperative transition-metal and chiral Brønsted acid catalysis: enantioselective hydrogenation of imines to form amines. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5120-4	16.4	225
282	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, 10652-8	16.4	223
281	Hydrogenation of Esters to Alcohols Catalyzed by Defined Manganese Pincer Complexes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15364-15368	16.4	220
280	Carbon dioxide--the hydrogen-storage material of the future?. <i>ChemSusChem</i> , 2008 , 1, 801-4	8.3	211
279	Iron-catalyzed selective reduction of nitroarenes to anilines using organosilanes. <i>Chemical Communications</i> , 2010 , 46, 1769-71	5.8	203
278	A general catalytic methylation of amines using carbon dioxide. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9568-71	16.4	199
277	Efficient and highly selective iron-catalyzed reduction of nitroarenes. <i>Chemical Communications</i> , 2011 , 47, 10972-4	5.8	179
276	Selective Catalytic Hydrogenation of Heteroarenes with N-Graphene-Modified Cobalt Nanoparticles (Co ₃ O ₄ -Co/NGr@r-Al ₂ O ₃). <i>Journal of the American Chemical Society</i> , 2015 , 137, 11718-24	16.4	176
275	Enantioselective synthesis of amines: general, efficient iron-catalyzed asymmetric transfer hydrogenation of imines. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8121-5	16.4	176
274	Highly chemoselective metal-free reduction of phosphine oxides to phosphines. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18325-9	16.4	169
273	Utilization of CO ₂ as a C1 Building Block for Catalytic Methylation Reactions. <i>ACS Catalysis</i> , 2017 , 7, 1077-1086	16.4	168
272	Two iron catalysts are better than one: a general and convenient reduction of aromatic and aliphatic primary amides. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1662-6	16.4	161
271	A convenient and general iron-catalyzed hydrosilylation of aldehydes. <i>Organic Letters</i> , 2007 , 9, 5429-32	6.2	158
270	New catalytic properties of iron complexes: dehydration of amides to nitriles. <i>Chemical Communications</i> , 2009 , 4883-5	5.8	151
269	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

268	Rise of the Zinc Age in Homogeneous Catalysis?. <i>ACS Catalysis</i> , 2013 , 3, 150-158	13.1	147
267	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
266	General and highly efficient iron-catalyzed hydrogenation of aldehydes, ketones, and α -unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5120-4	16.4	137
265	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
264	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
263	Chemoselective transfer hydrogenation to nitroarenes mediated by cubane-type Mo ₃ S ₄ cluster catalysts. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7794-8	16.4	131
262	A Stable Manganese Pincer Catalyst for the Selective Dehydrogenation of Methanol. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 559-562	16.4	129
261	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
260	Molecularly Defined Manganese Pincer Complexes for Selective Transfer Hydrogenation of Ketones. <i>ChemSusChem</i> , 2017 , 10, 83-86	8.3	126
259	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
258	Zinc-catalyzed chemoselective reduction of tertiary and secondary amides to amines. <i>Chemistry - A European Journal</i> , 2011 , 17, 12186-92	4.8	123
257	Convenient and mild epoxidation of alkenes using heterogeneous cobalt oxide catalysts. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4359-63	16.4	122
256	A general and convenient catalytic synthesis of nitriles from amides and silanes. <i>Organic Letters</i> , 2009 , 11, 2461-4	6.2	122
255	General and selective copper-catalyzed reduction of tertiary and secondary phosphine oxides: convenient synthesis of phosphines. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9727-32	16.4	121
254	Cooperative iron-Brønsted acid catalysis: enantioselective hydrogenation of quinoxalines and 2H-1,4-benzoxazines. <i>Chemistry - A European Journal</i> , 2013 , 19, 4997-5003	4.8	117
253	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
252	Highly selective transfer hydrogenation of functionalised nitroarenes using cobalt-based nanocatalysts. <i>Green Chemistry</i> , 2015 , 17, 898-902	10	109
251	Hydrogenation using iron oxide-based nanocatalysts for the synthesis of amines. <i>Nature Protocols</i> , 2015 , 10, 548-57	18.8	106

250	Biomimetic transfer hydrogenation of ketones with iron porphyrin catalysts. <i>Tetrahedron Letters</i> , 2006 , 47, 8095-8099	2	106
249	Chemo- and stereoselective iron-catalyzed hydrosilylation of ketones. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1687-91	4.5	105
248	Cobalt Complexes as an Emerging Class of Catalysts for Homogeneous Hydrogenations. <i>Accounts of Chemical Research</i> , 2018 , 51, 1858-1869	24.3	104
247	A biomimetic iron catalyst for the epoxidation of olefins with molecular oxygen at room temperature. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1425-9	16.4	101
246	Selective Catalytic Reductions of Amides and Nitriles to Amines. <i>Topics in Catalysis</i> , 2010 , 53, 979-984	2.3	100
245	A general and environmentally benign catalytic reduction of nitriles to primary amines. <i>Chemistry - A European Journal</i> , 2008 , 14, 9491-4	4.8	100
244	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
243	Synthesis and application of chiral monodentate phosphines in asymmetric hydrogenation. <i>Coordination Chemistry Reviews</i> , 2008 , 252, 471-491	23.2	99
242	A practical and benign synthesis of primary amines through ruthenium-catalyzed reduction of nitriles. <i>ChemSusChem</i> , 2008 , 1, 1006-10	8.3	97
241	Direct catalytic N-alkylation of amines with carboxylic acids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14314-9	16.4	96
240	Cobalt-based nanocatalysts for green oxidation and hydrogenation processes. <i>Nature Protocols</i> , 2015 , 10, 916-26	18.8	96
239	Cobalt-Pincer Complexes in Catalysis. <i>Chemistry - A European Journal</i> , 2019 , 25, 122-143	4.8	96
238	Selective catalytic monoreduction of phthalimides and imidazolidine-2,4-diones. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9180-4	16.4	94
237	Catalytic methylation of C-H bonds using CO and H. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10476-80	16.4	93
236	General catalytic methylation of amines with formic acid under mild reaction conditions. <i>Chemistry - A European Journal</i> , 2014 , 20, 7878-83	4.8	92
235	A Convenient and General Iron-Catalyzed Reduction of Amides to Amines. <i>Angewandte Chemie</i> , 2009 , 121, 9671-9674	3.6	92
234	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
233	Direct Ruthenium-Catalyzed Hydrogenation of Carboxylic Acids to Alcohols. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10596-9	16.4	88

232	Towards a general ruthenium-catalyzed hydrogenation of secondary and tertiary amides to amines. <i>Chemical Science</i> , 2016 , 7, 3432-3442	9.4	87
231	Selective reduction of amides to amines by boronic acid catalyzed hydrosilylation. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11577-80	16.4	86
230	A general and selective copper-catalyzed reduction of secondary amides. <i>Chemical Communications</i> , 2012 , 48, 2683-5	5.8	86
229	Synthesis of new chiral monodentate phosphines and their use in asymmetric hydrogenation. <i>Tetrahedron Letters</i> , 2002 , 43, 4977-4980	2	85
228	Selective Semihydrogenation of Alkynes with N-Graphitic-Modified Cobalt Nanoparticles Supported on Silica. <i>ACS Catalysis</i> , 2017 , 7, 1526-1532	13.1	84
227	General and selective reductive amination of carbonyl compounds using a core-shell structured Co ₃ O ₄ /NGr@C catalyst. <i>Green Chemistry</i> , 2014 , 16, 4535-4540	10	83
226	Selective iron-catalyzed transfer hydrogenation of terminal alkynes. <i>Chemical Communications</i> , 2012 , 48, 4827-9	5.8	81
225	Improved Second Generation Iron Pincer Complexes for Effective Ester Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 820-825	5.6	81
224	New Ruthenium Catalysts for Asymmetric Transfer Hydrogenation of Prochiral Ketones. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 853-860	5.6	80
223	Cooperative Catalysis with Iron and a Chiral Brønsted Acid for Asymmetric Reductive Amination of Ketones. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 3451-3455	5.6	79
222	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
221	Consecutive intermolecular reductive hydroamination: cooperative transition-metal and chiral Brønsted acid catalysis. <i>Chemistry - A European Journal</i> , 2012 , 18, 9005-10	4.8	79
220	The use of ultrasmall iron(0) nanoparticles as catalysts for the selective hydrogenation of unsaturated C-C bonds. <i>Chemical Communications</i> , 2013 , 49, 3416-8	5.8	79
219	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
218	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
217	Selective catalytic transfer hydrogenation of nitriles to primary amines using Pd/C. <i>Catalysis Science and Technology</i> , 2014 , 4, 629	5.5	76
216	Ruthenium N-heterocyclic carbene catalysts for selective reduction of nitriles to primary amines. <i>Tetrahedron Letters</i> , 2009 , 50, 3654-3656	2	76
215	Hydrogenation of Esters to Alcohols Catalyzed by Defined Manganese Pincer Complexes. <i>Angewandte Chemie</i> , 2016 , 128, 15590-15594	3.6	76

214	Cooperative catalysis by palladium and a chiral phosphoric acid: enantioselective amination of racemic allylic alcohols. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13049-53	16.4	75
213	Formamidines Versatile Ligands for Zinc-Catalyzed Hydrosilylation and Iron-Catalyzed Epoxidation Reactions. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 4893-4901	3.2	75
212	Selective Hydrogenation of Nitriles to Primary Amines by using a Cobalt Phosphine Catalyst. <i>ChemSusChem</i> , 2017 , 10, 842-846	8.3	74
211	Iron-catalyzed hydrogenation for the in situ regeneration of an NAD(P)H model: biomimetic reduction of α -keto- β -aminoesters. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8382-6	16.4	73
210	Highly selective iron-catalyzed synthesis of alkenes by the reduction of alkynes. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1613-23	4.5	73
209	Intermetallic nickel silicide nanocatalyst-A non-noble metal-based general hydrogenation catalyst. <i>Science Advances</i> , 2018 , 4, eaat0761	14.3	72
208	Synthesis of ethers from esters via Fe-catalyzed hydrosilylation. <i>Chemical Communications</i> , 2012 , 48, 10742-4	5.8	72
207	A molecularly defined iron-catalyst for the selective hydrogenation of α,β -unsaturated aldehydes. <i>Chemistry - A European Journal</i> , 2013 , 19, 7701-7	4.8	72
206	Efficient Base-Free Hydrogenation of Amides to Alcohols and Amines Catalyzed by Well-Defined Pincer ImidazolylRuthenium Complexes. <i>ACS Catalysis</i> , 2016 , 6, 47-54	13.1	69
205	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
204	Zinc-catalyzed chemoselective reduction of esters to alcohols. <i>Chemistry - A European Journal</i> , 2011 , 17, 7414-7	4.8	67
203	A convenient and general ruthenium-catalyzed transfer hydrogenation of nitro- and azobenzenes. <i>Chemistry - A European Journal</i> , 2011 , 17, 14375-9	4.8	67
202	Hydrogenation of nitroarenes using defined iron-phosphine catalysts. <i>Chemical Communications</i> , 2013 , 49, 9089-91	5.8	66
201	A polymer analogous reaction for the formation of imidazolium and NHC based porous polymer networks. <i>Polymer Chemistry</i> , 2013 , 4, 1848	4.9	65
200	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
199	Iron-catalyzed synthesis of secondary amines: on the way to green reductive aminations. <i>ChemSusChem</i> , 2014 , 7, 3012-6	8.3	64
198	Copper-catalyzed enantioselective hydrosilylation of ketones by using monodentate binaphthophosphine ligands. <i>Chemistry - A European Journal</i> , 2010 , 16, 68-73	4.8	63
197	An easy and general iron-catalyzed reductive amination of aldehydes and ketones with anilines. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2240-5	4.5	62

196	Synthesis of Secondary Amines by Iron-Catalyzed Reductive Amination. <i>ChemCatChem</i> , 2010 , 2, 1411-1415	5	62
195	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
194	Copper-catalyzed enantioselective hydrogenation of ketones. <i>Chemistry - A European Journal</i> , 2011 , 17, 101-5	4.8	60
193	Selective iron-catalyzed oxidation of phenols and arenes with hydrogen peroxide: synthesis of vitamin e intermediates and vitamin K(3). <i>Chemistry - A European Journal</i> , 2010 , 16, 10300-3	4.8	60
192	An efficient zinc-catalyzed dehydration of primary amides to nitriles. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 169-75	4.5	59
191	Practical One-Pot Synthesis of Secondary Amines by Zinc-Catalyzed Reductive Amination. <i>Catalysis Letters</i> , 2011 , 141, 55-61	2.8	59
190	Fe-Catalyzed Oxidation Reactions of Olefins, Alkanes, and Alcohols: Involvement of Oxo- and Peroxo Complexes. <i>Topics in Organometallic Chemistry</i> , 2011 , 83-109	0.6	59
189	Hydrierung von Estern zu Alkoholen mit einem definierten Eisenkomplex. <i>Angewandte Chemie</i> , 2014 , 126, 8867-8871	3.6	58
188	Copper-catalyzed reductive amination of aromatic and aliphatic ketones with anilines using environmental-friendly molecular hydrogen. <i>Green Chemistry</i> , 2012 , 14, 2371	10	58
187	Biomimetic transfer hydrogenation of 2-alkoxy- and 2-aryloxyketones with iron porphyrin catalysts. <i>Tetrahedron</i> , 2008 , 64, 3867-3876	2.4	58
186	Development of new hydrogenations of imines and benign reductive hydroaminations: zinc triflate as a catalyst. <i>ChemSusChem</i> , 2012 , 5, 777-82	8.3	57
185	BINEPINES: chiral binaphthalene-core monophosphine ligands for multipurpose asymmetric catalysis. <i>Chemical Society Reviews</i> , 2011 , 40, 3744-63	58.5	57
184	Design of and mechanistic studies on a biomimetic iron-imidazole catalyst system for epoxidation of olefins with hydrogen peroxide. <i>Chemistry - A European Journal</i> , 2009 , 15, 5471-81	4.8	57
183	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
182	Iron-Catalyzed Epoxidation of Aromatic Olefins and 1,3-Dienes. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 1771-1778	5.6	56
181	Selective cobalt nanoparticles for catalytic transfer hydrogenation of N-heteroarenes. <i>Chemical Science</i> , 2017 , 8, 6239-6246	9.4	55
180	Development of a practical non-noble metal catalyst for hydrogenation of N-heteroarenes. <i>Nature Catalysis</i> , 2020 , 3, 135-142	36.5	55
179	Iridium-Catalyzed Hydrogenation of Carboxylic Acid Esters. <i>ChemCatChem</i> , 2014 , 6, 2810-2814	5.2	54

178	Fast and selective iron-catalyzed transfer hydrogenations of aldehydes. <i>Journal of Organometallic Chemistry</i> , 2013 , 744, 156-159	2.3	54
177	Synthesis of chiral monodentate binaphthophosphine ligands and their application in asymmetric hydrogenations. <i>Tetrahedron: Asymmetry</i> , 2004 , 15, 2621-2631		54
176	Efficient and convenient palladium-catalyzed amination of allylic alcohols with N-heterocycles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11556-60	16.4	53
175	Enantioselective hydrogenation of beta-ketoesters with monodentate ligands. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5066-9	16.4	53
174	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
173	Synthesis of Nickel Nanoparticles with N-Doped Graphene Shells for Catalytic Reduction Reactions. <i>ChemCatChem</i> , 2016 , 8, 129-134	5.2	52
172	Biomass-Derived Catalysts for Selective Hydrogenation of Nitroarenes. <i>ChemSusChem</i> , 2017 , 10, 3035-3039	8.9	52
171	Iron-Catalyzed Reduction of Carboxylic Esters to Alcohols. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 2061-2065	3.2	52
170	A Facile and Efficient Iron-Catalyzed Reduction of Sulfoxides to Sulfides. <i>ChemCatChem</i> , 2011 , 3, 666-670	3.2	52
169	High Efficiency in Catalytic Hydrosilylation of Ketones with Zinc-Based Precatalysts Featuring Hard and Soft Tridentate O,S,O-Ligands. <i>ChemCatChem</i> , 2010 , 2, 846-853	5.2	51
168	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
167	Cobalt Pincer Complexes for Catalytic Reduction of Carboxylic Acid Esters. <i>Chemistry - A European Journal</i> , 2018 , 24, 1046-1052	4.8	51
166	TBAF-catalyzed hydrosilylation for the reduction of aromatic nitriles. <i>New Journal of Chemistry</i> , 2013 , 37, 2061	3.6	50
165	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
164	Two Iron Catalysts are Better than One: A General and Convenient Reduction of Aromatic and Aliphatic Primary Amides. <i>Angewandte Chemie</i> , 2012 , 124, 1694-1698	3.6	50
163	Straightforward uranium-catalyzed dehydration of primary amides to nitriles. <i>Chemistry - A European Journal</i> , 2011 , 17, 9316-9	4.8	50
162	Recent Advances in Catalytic Hydrosilylations: Developments beyond Traditional Platinum Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 550-565	16.4	50
161	Selective ruthenium-catalyzed transfer hydrogenations of nitriles to amines with 2-butanol. <i>Chemistry - A European Journal</i> , 2013 , 19, 4437-40	4.8	49

160	Selective Iron-Catalyzed Oxidation of Benzylic and Allylic Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 3023-3030	5.6	49
159	Facile and efficient reduction of ketones in the presence of zinc catalysts modified by phenol ligands. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 2027-35	4.5	49
158	Synthesis of new chiral monodentate aminophosphinites and their use in catalytic asymmetric hydrogenations. <i>Journal of Organometallic Chemistry</i> , 2003 , 675, 91-96	2.3	49
157	Bis(silylenyl)- and Bis(germylenyl)-Substituted Ferrocenes: Synthesis, Structure, and Catalytic Applications of Bidentate Silicon(II)Cobalt Complexes. <i>Angewandte Chemie</i> , 2012 , 124, 6271-6275	3.6	48
156	Phosphine-imidazolyl ligands for the efficient ruthenium-catalyzed hydrogenation of carboxylic esters. <i>Chemistry - A European Journal</i> , 2012 , 18, 9011-8	4.8	48
155	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
154	A straightforward zinc-catalysed reduction of sulfoxides to sulfides. <i>Catalysis Science and Technology</i> , 2011 , 1, 104	5.5	47
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