Carsten Bolm

List of Publications by Year
in descending order

641 papers	46,715 citations	1606 105 h-index	3903 177 g-index
928 all docs	928 docs citations	928 times ranked	21330 citing authors

#	Article	IF	Citations
1	Mechanochemistry: opportunities for new and cleaner synthesis. Chemical Society Reviews, 2012, 41, 413-447.	18.7	2,281
2	Iron-Catalyzed Reactions in Organic Synthesis. Chemical Reviews, 2004, 104, 6217-6254.	23.0	2,014
3	Iron-catalysed carbonâ€“heteroatom and heteroatomâ€“heteroatom bond forming processes. Chemical Society Reviews, 2008, 37, 1108.	18.7	960
4	Ligand-Accelerated Catalysis. Angewandte Chemie International Edition in English, 1995, 34, 1059-1070.	4.4	571
5	Ironâ€Catalyzed Sâ€Arylation of Thiols with Aryl Iodides. Angewandte Chemie - International Edition, 2008, 47, 2880-2883.	7.2	503
6	Altering Product Selectivity by Mechanochemistry. Journal of Organic Chemistry, 2017, 82, 4007-4019.	1.7	480
7	On the Role of Metal Contaminants in Catalyses with FeCl₃. Angewandte Chemie - International Edition, 2009, 48, 5586-5587.	7.2	468
8	Iron(iii) chloride in oxidative Câ€“C coupling reactions. Chemical Society Reviews, 2009, 38, 2730.	18.7	442
9	Applications of Catalytic Asymmetric Sulfide Oxidations to the Syntheses of Biologically Active Sulfoxides. Advanced Synthesis and Catalysis, 2005, 347, 19-31.	2.1	414
10	Anaerobic oxidation of short-chain hydrocarbons by marine sulphate-reducing bacteria. Nature, 2007, 449, 898-901.	13.7	349
11	Solventâ€Free Carbonâ€Carbon Bond Formations in Ball Mills. Advanced Synthesis and Catalysis, 2007, 349, 2213-2233.	2.1	344
12	Asymmetric Sulfide Oxidation with Vanadium Catalysts and H2O2. Angewandte Chemie International Edition in English, 1996, 34, 2640-2642.	4.4	342
13	Sulfoximines from a Medicinal Chemist's Perspective: Physicochemical and inÂvitro Parameters Relevant for Drug Discovery. European Journal of Medicinal Chemistry, 2017, 126, 225-245.	2.6	332
14	Direct addition of alkynes to imines and related Cî€N electrophiles: A convenient access to propargylamines. Chemical Communications, 2006, , 4263-4275.	2.2	331
15	Vanadium-catalyzed asymmetric oxidations. Coordination Chemistry Reviews, 2003, 237, 245-256.	9.5	324
16	Organocatalytic reactions: effects of ball milling, microwave and ultrasound irradiation. Green Chemistry, 2008, 10, 1131.	4.6	315
17	Catalyzed Asymmetric Arylation Reactions. Angewandte Chemie - International Edition, 2001, 40, 3284-3308.	7.2	314
18	Catalytic asymmetric approaches towards enantiomerically enriched diarylmethanols and diarylmethylamines. Chemical Society Reviews, 2006, 35, 454-70.	18.7	285

#	Article	IF	Citations
19	Ring closing enyne metathesis: A powerful tool for the synthesis of heterocycles. Chemical Society Reviews, 2007, 36, 55-66.	18.7	265
20	Catalyzed Asymmetric Aryl Transfer Reactions to Aldehydes with Boronic Acids as Aryl Source. Journal of the American Chemical Society, 2002, 124, 14850-14851.	6.6	261
21	Iron-Catalyzed Asymmetric Sulfide Oxidation with Aqueous Hydrogen Peroxide. Angewandte Chemie - International Edition, 2003, 42, 5487-5489.	7.2	261
22	Sulfur imidations: access to sulfimides and sulfoximines. Chemical Society Reviews, 2015, 44, 3378-3390.	18.7	257
23	Ironâ€Catalyzed Nâ€Arylation of Nitrogen Nucleophiles. Angewandte Chemie - International Edition, 2007, 46, 8862-8865.	7.2	244
24	Sulfoximines: Synthesis and Catalytic Applications. Chemistry Letters, 2004, 33, 482-487.	0.7	239
25	Copperâ€Catalyzed Crossâ€Couplings with Partâ€perâ€Million Catalyst Loadings. Angewandte Chemie - International Edition, 2009, 48, 5691-5693.	7.2	238
26	Optically Active Lactones from a Baeyerâ€“Villiger-Type Metal-Catalyzed Oxidation with Molecular Oxygen. Angewandte Chemie International Edition in English, 1994, 33, 1848-1849.	4.4	232
27	Mechanochemistry of Gaseous Reactants. Angewandte Chemie - International Edition, 2019, 58, 3285-3299.	7.2	232
28	Synthesis and properties of ionic liquids derived from the â€˜chiral poolâ€™Electronic supplementary information (ESI) available: characterisation of compounds 1a, 2 and 3. See http://www.rsc.org/suppdata/cc/b1/b109493a/. Chemical Communications, 2002, , 200-201.	2.2	231
29	Synthesis of Optically Active Bis(2â€oxazolines): Crystal Structure of a 1,2â€Bis(2â€oxazolinyl)benzene ZnCl₂ Complex. Chemische Berichte, 1991, 124, 1173-1180.	0.2	227
30	Investigations on the Iron-Catalyzed Asymmetric Sulfide Oxidation. Chemistry - A European Journal, 2005, 11, 1086-1092.	1.7	226
31	Ironâ€Catalyzed Sonogashira Reactions. Angewandte Chemie - International Edition, 2008, 47, 4862-4865.	7.2	226
32	Highly Enantioselective Iron-Catalyzed Sulfide Oxidation with Aqueous Hydrogen Peroxide under Simple Reaction Conditions. Angewandte Chemie - International Edition, 2004, 43, 4225-4228.	7.2	225
33	Iron-Catalyzed Benzylic Oxidation with Aqueoustert-Butyl Hydroperoxide. Advanced Synthesis and Catalysis, 2007, 349, 861-864.	2.1	224
34	Acylsilanes: valuable organosilicon reagents in organic synthesis. Chemical Society Reviews, 2013, 42, 8540.	18.7	224
35	Synthesis of enamines, enol ethers and related compounds by cross-coupling reactions. Chemical Communications, 2005, , 973.	2.2	220
36	A Highly Efficient Asymmetric Organocatalytic Aldol Reaction in a Ball Mill. Chemistry - A European Journal, 2007, 13, 4710-4722.	1.7	220

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37	Enantioselective Synthesis of Dihydropyrazoles by Formal [4+1] Cycloaddition of in Situ-Derived Azoalkenes and Sulfur Ylides. Journal of the American Chemical Society, 2012, 134, 6924-6927.	6.6	214
38	Silica-Supported TEMPO Catalysts:Â Synthesis and Application in the Anelli Oxidation of Alcohols. Journal of Organic Chemistry, 2001, 66, 8154-8159.	1.7	208
39	Ironâ€Catalyzed Cï£¿O Crossâ€Couplings of Phenols with Aryl Iodides. Angewandte Chemie - International Edition, 2008, 47, 586-588.	7.2	207
40	Enantioselective Synthesis of Optically Active Pyridine Derivatives and C₂â€Symmetric 2,2â€²â€Bipyridines. Chemische Berichte, 1992, 125, 1169-1190.	0.2	206
41	Helicity Induction in Helicate Self-Organisation from Chiral Tris(bipyridine) Ligand Strands. Helvetica Chimica Acta, 1991, 74, 1843-1852.	1.0	205
42	Fluorinated sulfoximines: syntheses, properties and applications. Chemical Society Reviews, 2014, 43, 2426.	18.7	204
43	Protonated Chiral Catalysts: Versatile Tools for Asymmetric Synthesis. Angewandte Chemie - International Edition, 2005, 44, 1758-1763.	7.2	200
44	Lightâ€Induced Rutheniumâ€Catalyzed Nitrene Transfer Reactions: A Photochemical Approach towards Nâ€Acyl Sulfimides and Sulfoximines. Angewandte Chemie - International Edition, 2014, 53, 5639-5642.	7.2	200
45	Ligandenbeschleunigte Katalyse. Angewandte Chemie, 1995, 107, 1159-1171.	1.6	199
46	Rhodiumâ€Catalyzed Oxidative Annulation of Sulfoximines and Alkynes as an Approach to 1,2â€Benzothiazines. Angewandte Chemie - International Edition, 2013, 52, 11573-11576.	7.2	199
47	Catalytic Synthesis of Aldehydes and Ketones under Mild Conditions Using TEMPO/Oxone. Organic Letters, 2000, 2, 1173-1175.	2.4	197
48	Optically Active Bipyridines in Asymmetric Catalysis. Angewandte Chemie International Edition in English, 1990, 29, 205-207.	4.4	196
49	Diphenylphosphanylsulfoximines as Ligands in Iridium-Catalyzed Asymmetric Imine Hydrogenations. Angewandte Chemie - International Edition, 2005, 44, 7564-7567.	7.2	190
50	Solvent-Free Asymmetric Organocatalysis in a Ball Mill. Angewandte Chemie - International Edition, 2006, 45, 6924-6926.	7.2	189
51	A new iron age. Nature Chemistry, 2009, 1, 420-420.	6.6	187
52	Asymmetric, Catalytic Phenyl Transfer to Imines: Highly Enantioselective Synthesis of Diarylmethylamines. Angewandte Chemie - International Edition, 2002, 41, 3692-3694.	7.2	184
53	Stereoselective Anhydride Openings. Chemical Reviews, 2007, 107, 5683-5712.	23.0	184
54	Regioselective Syntheses of 1,2â€Benzothiazines by Rhodiumâ€Catalyzed Annulation Reactions. Angewandte Chemie - International Edition, 2015, 54, 12349-12352.	7.2	184

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55	Trace metal impurities in catalysis. Chemical Society Reviews, 2012, 41, 979.	18.7	181
56	Copper-Catalyzed Direct Sulfoximination of Azoles and Polyfluoroarenes under Ambient Conditions. Organic Letters, 2011, 13, 359-361.	2.4	172
57	Ligandâ€Free Copperâ€Catalyzed Nâ€Arylation of Nitrogen Nucleophiles. Advanced Synthesis and Catalysis, 2007, 349, 2673-2676.	2.1	169
58	Rhodium-Catalyzed Imination of Sulfoxides and Sulfides:â€‰ Efficient Preparation of N-Unsubstituted Sulfoximines and Sulfilimines. Organic Letters, 2004, 6, 1305-1307.	2.4	166
59	Iron-Catalyzed Intramolecular O-Arylation: Synthesis of 2-Aryl Benzoxazoles. Organic Letters, 2008, 10, 2665-2667.	2.4	166
60	On the Role of Planar Chirality in Asymmetric Catalysis:â€‰ A Study toward Appropriate Ferrocene Ligands for Diethylzinc Additions. Journal of Organic Chemistry, 1998, 63, 7860-7867.	1.7	157
61	Highly Enantioselective Hetero-Dielsâ^'Alder Reactions Catalyzed by aC2-Symmetric Bis(sulfoximine) Copper(II) Complex. Journal of the American Chemical Society, 2001, 123, 3830-3831.	6.6	157
62	Highly Enantioselective Synthesis of Optically Active Ketones by Iridiumâ€Catalyzed Asymmetric Hydrogenation. Angewandte Chemie - International Edition, 2008, 47, 8920-8923.	7.2	150
63	Iron Salts in the Catalyzed Synthesis of 5â€Substituted 1Hâ€Tetrazoles. Chemistry - A European Journal, 2009, 15, 4543-4545.	1.7	149
64	Dimethyl Sulfoxide/Potassium Hydroxide: A Superbase for the Transition Metalâ€Free Preparation of Crossâ€Coupling Products. Advanced Synthesis and Catalysis, 2010, 352, 2892-2898.	2.1	149
65	Synthesis and applications of silicon-containing Î±-amino acids. Chemical Society Reviews, 2009, 38, 1002.	18.7	148
66	Transition metal-free direct Câ€“H bond thiolation of 1,3,4-oxadiazoles and related heteroarenes. Chemical Communications, 2012, 48, 11307.	2.2	148
67	Mechanochemical Iridium(III)â€Catalyzed Câ^'H Bond Amidation of Benzamides with Sulfonyl Azides under Solventâ€Free Conditions in a Ball Mill. Angewandte Chemie - International Edition, 2016, 55, 3781-3784.	7.2	148
68	C1-Symmetric Sulfoximines as Ligands in Copper-Catalyzed Asymmetric Mukaiyama-Type Aldol Reactions. Angewandte Chemie - International Edition, 2004, 43, 5984-5987.	7.2	143
69	Cu(OAc)2-Catalyzed N-Arylations of Sulfoximines with Aryl Boronic Acids. Organic Letters, 2005, 7, 2667-2669.	2.4	143
70	Bis(4,5-dihydrooxazolyl) Derivatives in Asymmetric Catalysis. Angewandte Chemie International Edition in English, 1991, 30, 542-543.	4.4	142
71	Iron(II) Triflate as a Catalyst for the Synthesis of Indoles by Intramolecular Câ^'H Amination. Organic Letters, 2011, 13, 2012-2014.	2.4	142
72	Catalyzed Enantioselective Alkylation of Aldehydes. Chemische Berichte, 1992, 125, 1191-1203.	0.2	141

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73	Planar chiral arene chromium(0) complexes: potential ligands for asymmetric catalysis. Chemical Society Reviews, 1999, 28, 51-59.	18.7	141
74	Rutheniumâ€Catalyzed Cï£¿C Bond Cleavage in Lignin Model Substrates. Angewandte Chemie - International Edition, 2015, 54, 5859-5863.	7.2	141
75	Practical and Highly Enantioselective Ring Opening of CyclicMeso-Anhydrides Mediated by Cinchona Alkaloids. Journal of Organic Chemistry, 2000, 65, 6984-6991.	1.7	139
76	An Unprecedented Rhodium-Catalyzed Asymmetric Intermolecular Hydroacylation Reaction with Salicylaldehydes. Advanced Synthesis and Catalysis, 2007, 349, 1185-1198.	2.1	137
77	Ironâ€Catalyzed Nâ€Arylations of Amides. Chemistry - A European Journal, 2008, 14, 3527-3529.	1.7	137
78	Mechanochemical degradation of lignin and wood by solvent-free grinding in a reactive medium. Green Chemistry, 2013, 15, 160-166.	4.6	137
79	Recent advances in the Willgerodtâ€“Kindler reaction. Chemical Society Reviews, 2013, 42, 7870.	18.7	136
80	Î±-TrialkylsilylSubstitutedÎ±-Amino Acids. Angewandte Chemie - International Edition, 2000, 39, 2288-2290.	7.2	135
81	Asymmetric, Catalytic Phenyl Transfer to Aldehydes: Enantioselective Synthesis of Diarylmethanols. Angewandte Chemie - International Edition, 2000, 39, 3465-3467.	7.2	133
82	Thermal Effects in the Organocatalytic Asymmetric Mannich Reaction. Journal of Organic Chemistry, 2006, 71, 2888-2891.	1.7	128
83	Mechanochemical Rhodium(III)-Catalyzed Câ€“H Bond Amidation of Arenes with Dioxazolones under Solventless Conditions in a Ball Mill. ACS Catalysis, 2017, 7, 4592-4596.	5.5	128
84	Iron-Catalyzed Imination of Sulfoxides and Sulfides. Organic Letters, 2006, 8, 2349-2352.	2.4	127
85	Copperâ€•and Vanadiumâ€Catalyzed Oxidative Cleavage of Lignin using Dioxygen. ChemSusChem, 2015, 8, 2106-2113.	3.6	124
86	Asymmetric Autocatalysis with Amplification of Chirality. Angewandte Chemie International Edition in English, 1996, 35, 1657-1659.	4.4	123
87	Enantioselective Organocatalytic Synthesis of Quaternary Î±-Amino Acids Bearing a CF₃ Moiety. Organic Letters, 2011, 13, 1044-1047.	2.4	123
88	Organocatalytic Kinetic Resolution of Sulfoximines. Journal of the American Chemical Society, 2016, 138, 2166-2169.	6.6	123
89	Synthesis of Sulfoximineâ€Derived P,N Ligands and their Applications in Asymmetric Quinoline Hydrogenations. Advanced Synthesis and Catalysis, 2008, 350, 1101-1105.	2.1	120
90	Acylsilane chemistry. Synthesis of regio- and stereoisomerically defined enol silyl ethers using acylsilanes. Journal of the American Chemical Society, 1990, 112, 5609-5617.	6.6	119

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91	Catalytic Enantioselective Conjugate Addition of Dialkylzinc Compounds to Chalcones. Chemische Berichte, 1992, 125, 1205-1215.	0.2	118
92	Palladium-catalyzed carbonî—¸nitrogen bond formation: A novel, catalytic approach towards N-arylated sulfoximines. Tetrahedron Letters, 1998, 39, 5731-5734.	0.7	118
93	The MPEG Effect:â€‰ Improving Asymmetric Processes by Simple Additives. Journal of Organic Chemistry, 2004, 69, 3997-4000.	1.7	118
94	Ironâ€Catalyzed Aziridination Reactions. Advanced Synthesis and Catalysis, 2008, 350, 1835-1840.	2.1	118
95	Copperâ€Catalyzed Oxidative Crossâ€Coupling of Sulfoximines and Alkynes. Angewandte Chemie - International Edition, 2013, 52, 3478-3480.	7.2	117
96	Ironâ€Catalyzed Cï£¿N Crossâ€Coupling of Sulfoximines with Aryl Iodides. Advanced Synthesis and Catalysis, 2008, 350, 391-394.	2.1	116
97	Palladium-Catalyzed N-Arylation of Sulfoximines with Aryl Bromides and Aryl Iodides. Journal of Organic Chemistry, 2000, 65, 169-175.	1.7	113
98	Enantioselective Nitrene Transfer to Sulfides Catalyzed by a Chiral Iron Complex. Angewandte Chemie - International Edition, 2013, 52, 8661-8665.	7.2	110
99	Copper- and vanadium-catalyzed asymmetric oxidations. Journal of Molecular Catalysis A, 1997, 117, 347-350.	4.8	109
100	Polymer-Supported Catalytic Asymmetric Sharpless Dihydroxylations of Olefins. European Journal of Organic Chemistry, 1998, 1998, 21-27.	1.2	108
101	Catalytic enantioselective aryl transfer: asymmetric addition of diphenylzinc to aldehydes. Chemical Communications, 1999, , 1295-1296.	2.2	108
102	Synthesis of iridium complexes with new planar chiral chelating phosphinyl-imidazolylidene ligands and their application in asymmetric hydrogenation. Tetrahedron: Asymmetry, 2004, 15, 1693-1706.	1.8	108
103	From Synthesis of Amino Acids and Peptides to Enzymatic Catalysis: A Bottomâ€Up Approach in Mechanochemistry. ChemSusChem, 2018, 11, 1410-1420.	3.6	108
104	Application of a Planar ChiralÎ·5-Cyclopentadienylrhenium(I)tricarbonyl Complex in Asymmetric Catalysis: Highly Enantioselective Phenyl Transfer to Aldehydes. Angewandte Chemie - International Edition, 2001, 40, 1488-1490.	7.2	107
105	Synthesis of Amino-Functionalized Sulfonimidamides and Their Application in the Enantioselective Henry Reaction. Journal of Organic Chemistry, 2010, 75, 3301-3310.	1.7	106
106	TEMPO oxidations with a silica-supported catalyst. Chemical Communications, 1999, , 1795-1796.	2.2	105
107	An alkaloid-mediated desymmetrization of meso-anhydrides via a nucleophilic ring opening with benzyl alcohol and its application in the synthesis of highly enantiomerically enriched Î²-amino acids. Tetrahedron: Asymmetry, 2003, 14, 3455-3467.	1.8	105
108	The First Planar-Chiral Stable Carbene and Its Metal Complexes. Organometallics, 2002, 21, 707-710.	1.1	103

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109	Copper-Mediated Cross-Coupling Reactions of N-Unsubstituted Sulfoximines and Aryl Halides. Organic Letters, 2004, 6, 3293-3296.	2.4	103
110	Hydroarylations of Heterobicyclic Alkenes through Rhodiumâ€Catalyzed Directed Cï£¿H Functionalizations of Sâ€Aryl Sulfoximines. Chemistry - A European Journal, 2014, 20, 15732-15736.	1.7	102
111	Iron-Catalyzed Hetero-Cross-Dehydrogenative Coupling Reactions of Sulfoximines with Diarylmethanes: A New Route to N-Alkylated Sulfoximines. Organic Letters, 2014, 16, 2000-2002.	2.4	102
112	Use of molecular oxygen in the Baeyer-Villiger oxidation the influence of metal catalysts. Tetrahedron Letters, 1993, 34, 3405-3408.	0.7	100
113	Organosilanols as Catalysts in Asymmetric Aryl Transfer Reactions. Organic Letters, 2005, 7, 1407-1409.	2.4	100
114	Transition-Metal-Free Synthesis of Oxindoles by Potassium tert-Butoxide-Promoted Intramolecular Î±-Arylation. Organic Letters, 2012, 14, 3948-3951.	2.4	100
115	Rhodium(III)â€Catalyzed Selective orthoâ€Olefinations of Nâ€Acyl and Nâ€Aroyl Sulfoximines by Cï£¿H Bond Activation. Chemistry - A European Journal, 2014, 20, 4896-4900.	1.7	100
116	Mechanochemical Rhodium(III)â€Catalyzed Cï£¿H Bond Functionalization of Acetanilides under Solventless Conditions in a Ball Mill. Angewandte Chemie - International Edition, 2015, 54, 7414-7417.	7.2	100
117	Baseâ€Catalyzed Synthesis of Substituted Indazoles under Mild, Transitionâ€Metalâ€Free Conditions. Angewandte Chemie - International Edition, 2013, 52, 7509-7513.	7.2	99
118	Configurational Control in Stereochemically Pure Ligands and Metal Complexes for Asymmetric Catalysis. Chemistry - A European Journal, 2000, 6, 2309-2316.	1.7	97
119	Metal-catalysed enantiospecific aerobic oxidation of cyclobutanones. Journal of the Chemical Society Chemical Communications, 1995, , 1247.	2.0	96
120	Synthesis of iridium complexes with novel planar chiral chelating imidazolylidene ligands. Tetrahedron: Asymmetry, 2003, 14, 1733-1746.	1.8	96
121	Dimethylzinc-Mediated, Enantioselective Synthesis of Propargylic Amines. Chemistry - A European Journal, 2007, 13, 2587-2600.	1.7	96
122	Copper-Catalyzed Oxidative Decarboxylative Couplings of Sulfoximines and Aryl Propiolic Acids. Organic Letters, 2013, 15, 6155-6157.	2.4	96
123	Iron-catalysed oxidative cleavage of lignin and Î²-O-4 lignin model compounds with peroxides in DMSO. Green Chemistry, 2015, 17, 5001-5008.	4.6	94
124	Papain-catalysed mechanochemical synthesis of oligopeptides by milling and twin-screw extrusion: application in the JuliÃ¡â€“Colonna enantioselective epoxidation. Green Chemistry, 2018, 20, 1262-1269.	4.6	94
125	Catalytic Coupling of Aryl Sulfonates with sp2-Hybridized Nitrogen Nucleophiles: Palladium- and Nickel-catalyzed Synthesis of N-Aryl Sulfoximines. Synthesis, 2000, 2000, 911-913.	1.2	93
126	Iodinane- and Metal-Free Synthesis of N-Cyano Sulfilimines:â€‰ Novel and Easy Access of NH-Sulfoximines. Organic Letters, 2007, 9, 3809-3811.	2.4	93

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127	Subâ€Molâ€‰% Catalyst Loading and Ligandâ€Acceleration in the Copperâ€Catalyzed Coupling of Aryl Iodides and Terminal Alkyenes. Chemistry - A European Journal, 2010, 16, 4181-4185.	1.7	93
128	Transition-Metal-Free Synthesis of Benzimidazoles Mediated by KOH/DMSO. Organic Letters, 2014, 16, 536-539.	2.4	92
129	Asymmetrische Sulfidâ€Oxidation mit Vanadiumâ€Katalysatoren und H₂O₂. Angewandte Chemie, 1995, 107, 2883-2885.	1.6	91
130	Simple and Highly Enantioselective Nonenzymatic Ring Opening of Cyclic Prochiral Anhydrides. Synlett, 1999, 1999, 195-196.	1.0	91
131	Efficient Copper-Catalyzed N-Arylation of Sulfoximines with Aryl Iodides and Aryl Bromides. Journal of Organic Chemistry, 2005, 70, 6904-6906.	1.7	91
132	Nâ€Cyano Sulfoximines: COX Inhibition, Anticancer Activity, Cellular Toxicity, and Mutagenicity. ChemMedChem, 2013, 8, 217-220.	1.6	91
133	Copper-Catalyzed C(sp²)â€“S Coupling Reactions for the Synthesis of Aryl Dithiocarbamates with Thiuram Disulfide Reagents. Organic Letters, 2017, 19, 5916-5919.	2.4	91
134	Optically active bipyridines in nickel catalyzed enantioselective conjugate addition to enones. Tetrahedron Letters, 1990, 31, 5011-5012.	0.7	90
135	N-Arylations of Sulfoximines with 2-Arylpyridines by Copper-Mediated Dual Nâ€“H/Câ€“H Activation. Organic Letters, 2014, 16, 2661-2663.	2.4	90
136	Silver-Mediated N-Trifluoromethylation of Sulfoximines. Organic Letters, 2015, 17, 3166-3169.	2.4	90
137	Silver-Catalyzed Imination of Sulfoxides and Sulfides. Organic Letters, 2005, 7, 4983-4985.	2.4	89
138	Planarâˆ'Chiral Ferrocenes in Asymmetric Catalysis:Â The Impact of Stereochemically Inhomogeneous Ligands. Organic Letters, 1999, 1, 491-494.	2.4	88
139	Organocatalysis through Halogen-Bond Activation. Synlett, 2008, 2008, 900-902.	1.0	87
140	Conversion and degradation pathways of sulfoximines. Chemical Society Reviews, 2019, 48, 5408-5423.	18.7	87
141	Regioselective palladation of 2-oxazolinyl-[2.2]paracyclophanes.. Journal of Organometallic Chemistry, 2002, 662, 23-33.	0.8	84
142	Acylsilanes in Rhodium(III)â€Catalyzed Directed Aromatic Câ€“H Alkenylations and Siloxycarbene Reactions with Cï£¿C Double Bonds. Angewandte Chemie - International Edition, 2014, 53, 269-271.	7.2	84
143	Acylsilanes in Iridiumâ€Catalyzed Directed Amidation Reactions and Formation of Heterocycles via Siloxycarbenes. Angewandte Chemie - International Edition, 2015, 54, 15493-15496.	7.2	83
144	Enantioselective trimethylsilylcyanation of aldehydes. Tetrahedron Letters, 1995, 36, 1625-1628.	0.7	82

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145	Dimethylzinc-Mediated Alkynylation of Imines. Journal of Organic Chemistry, 2006, 71, 1558-1562.	1.7	82
146	Synthesis of Pseudo-geminal-, Pseudo-ortho-, and ortho-Phosphinyl-oxazolinyl-[2.2]paracyclophanes for Use as Ligands in Asymmetric Catalysis. Journal of Organic Chemistry, 2006, 71, 4609-4618.	1.7	82
147	Synthesis ofN-(1H)-Tetrazole Sulfoximines. Organic Letters, 2007, 9, 2951-2954.	2.4	82
148	C₁-Symmetric Oxazolinyl Sulfoximines as Ligands in Copper-Catalyzed Asymmetric Mukaiyama Aldol Reactions. Organic Letters, 2008, 10, 917-920.	2.4	82
149	C₁â€Symmetric Aminosulfoximines in Copperâ€Catalyzed Asymmetric Vinylogous Mukaiyama Aldol Reactions. Chemistry - A European Journal, 2010, 16, 4577-4587.	1.7	82
150	Mechanoenzymatic peptide and amide bond formation. Green Chemistry, 2017, 19, 2620-2625.	4.6	81
151	Organocatalytic Chemoselective Primary Alcohol Oxidation and Subsequent Cleavage of Lignin Model Compounds and Lignin. ChemSusChem, 2017, 10, 2707-2713.	3.6	81
152	Resolution of Racemic 2-Aminocyclohexanol Derivatives and Their Application as Ligands in Asymmetric Catalysisâ€. Journal of Organic Chemistry, 2006, 71, 2320-2331.	1.7	80
153	[Cp*RhCl₂]₂: mechanosynthesis and applications in Câ€“H bond functionalisations under ball-milling conditions. Chemical Communications, 2015, 51, 12582-12584.	2.2	80
154	New Insights into the Stereoselectivity of the Aryl Zinc Addition to Aldehydes. Journal of the American Chemical Society, 2005, 127, 1548-1552.	6.6	79
155	Highly Chemoâ€•and Enantioselective Hydrogenation of Linear Î±,Î²â€Unsaturated Ketones. Chemistry - A European Journal, 2008, 14, 7513-7516.	1.7	79
156	Optisch aktive Lactone durch metallkatalysierte Baeyerâ€Villigerâ€analoge Oxidation mit molekularem Sauerstoff. Angewandte Chemie, 1994, 106, 1944-1946.	1.6	78
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