

Carsten Bolm

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646
papers

39,237
citations

97
h-index

164
g-index

927
ext. papers

42,840
ext. citations

7.7
avg, IF

7.95
L-index

#	Paper	IF	Citations
646	Iron-catalyzed reactions in organic synthesis. <i>Chemical Reviews</i> , 2004 , 104, 6217-54	68.1	1872
645	Mechanochemistry: opportunities for new and cleaner synthesis. <i>Chemical Society Reviews</i> , 2012 , 41, 413-47	58.5	1832
644	Iron-catalysed carbon-heteroatom and heteroatom-heteroatom bond forming processes. <i>Chemical Society Reviews</i> , 2008 , 37, 1108-17	58.5	895
643	Ligand-Accelerated Catalysis. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1059-1070		489
642	Iron-catalyzed S-arylation of thiols with aryl iodides. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2880-3	16.4	457
641	On the role of metal contaminants in catalyses with FeCl ₃ . <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5586-7	16.4	435
640	Iron(III) chloride in oxidative C-C coupling reactions. <i>Chemical Society Reviews</i> , 2009 , 38, 2730-44	58.5	399
639	Applications of Catalytic Asymmetric Sulfide Oxidations to the Syntheses of Biologically Active Sulfoxides. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 19-31	5.6	360
638	Altering Product Selectivity by Mechanochemistry. <i>Journal of Organic Chemistry</i> , 2017 , 82, 4007-4019	4.2	319
637	Direct addition of alkynes to imines and related C=N electrophiles: A convenient access to propargylamines. <i>Chemical Communications</i> , 2006 , 4263-75	5.8	312
636	Solvent-Free Carbon-Carbon Bond Formations in Ball Mills. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 2213-2233	5.6	309
635	Anaerobic oxidation of short-chain hydrocarbons by marine sulphate-reducing bacteria. <i>Nature</i> , 2007 , 449, 898-901	50.4	300
634	Vanadium-catalyzed asymmetric oxidations. <i>Coordination Chemistry Reviews</i> , 2003 , 237, 245-256	23.2	292
633	Asymmetric Sulfide Oxidation with Vanadium Catalysts and H ₂ O ₂ . <i>Angewandte Chemie International Edition in English</i> , 1996 , 34, 2640-2642		290
632	Catalyzed Asymmetric Arylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3284-3304	10.4	286
631	Organocatalytic reactions: effects of ball milling, microwave and ultrasound irradiation. <i>Green Chemistry</i> , 2008 , 10, 1131	10	280
630	Catalytic asymmetric approaches towards enantiomerically enriched diarylmethanols and diarylmethylamines. <i>Chemical Society Reviews</i> , 2006 , 35, 454-70	58.5	268

629	Ring closing enyne metathesis: a powerful tool for the synthesis of heterocycles. <i>Chemical Society Reviews</i> , 2007 , 36, 55-66	58.5	245
628	Iron-catalyzed asymmetric sulfide oxidation with aqueous hydrogen peroxide. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5487-9	16.4	236
627	Catalyzed asymmetric aryl transfer reactions to aldehydes with boronic acids as aryl source. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14850-1	16.4	230
626	Iron-catalyzed N-arylation of nitrogen nucleophiles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8862-5	16.4	223
625	Copper-catalyzed cross-couplings with part-per-million catalyst loadings. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5691-3	16.4	219
624	Sulfoximines from a Medicinal Chemists Perspective: Physicochemical and in vitro Parameters Relevant for Drug Discovery. <i>European Journal of Medicinal Chemistry</i> , 2017 , 126, 225-245	6.8	217
623	Iron-Catalyzed Benzylic Oxidation with Aqueous tert-Butyl Hydroperoxide. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 861-864	5.6	210
622	Synthesis and properties of ionic liquids derived from the chiral pool. <i>Chemical Communications</i> , 2002 , 200-1	5.8	210
621	Investigations on the iron-catalyzed asymmetric sulfide oxidation. <i>Chemistry - A European Journal</i> , 2005 , 11, 1086-92	4.8	208
620	Iron-catalyzed Sonogashira reactions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4862-5	16.4	206
619	Highly enantioselective iron-catalyzed sulfide oxidation with aqueous hydrogen peroxide under simple reaction conditions. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4225-8	16.4	204
618	Sulfoximines: Synthesis and Catalytic Applications. <i>Chemistry Letters</i> , 2004 , 33, 482-487	1.7	204
617	Synthesis of enamines, enol ethers and related compounds by cross-coupling reactions. <i>Chemical Communications</i> , 2005 , 973-86	5.8	202
616	A highly efficient asymmetric organocatalytic aldol reaction in a ball mill. <i>Chemistry - A European Journal</i> , 2007 , 13, 4710-22	4.8	200
615	Synthesis of Optically Active Bis(2-oxazolines): Crystal Structure of a 1,2-Bis(2-oxazoliny)benzene ZnCl ₂ Complex. <i>Chemische Berichte</i> , 1991 , 124, 1173-1180		198
614	Optically Active Lactones from a Baeyer-Villiger-Type Metal-Catalyzed Oxidation with Molecular Oxygen. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1848-1849		196
613	Sulfur imidations: access to sulfimides and sulfoximines. <i>Chemical Society Reviews</i> , 2015 , 44, 3378-90	58.5	189
612	Iron-catalyzed C-O cross-couplings of phenols with aryl iodides. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 586-8	16.4	189

611	Protonated chiral catalysts: versatile tools for asymmetric synthesis. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1758-63	16.4	189
610	Silica-supported TEMPO catalysts: synthesis and application in the Anelli oxidation of alcohols. <i>Journal of Organic Chemistry</i> , 2001 , 66, 8154-9	4.2	185
609	Enantioselective Synthesis of Optically Active Pyridine Derivatives and C2-Symmetric 2,2'-Bipyridines. <i>Chemische Berichte</i> , 1992 , 125, 1169-1190		183
608	Catalytic synthesis of aldehydes and ketones under mild conditions using TEMPO/Oxone. <i>Organic Letters</i> , 2000 , 2, 1173-5	6.2	173
607	Rhodium-catalyzed oxidative annulation of sulfoximines and alkynes as an approach to 1,2-benzothiazines. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11573-6	16.4	172
606	Enantioselective synthesis of dihydropyrazoles by formal [4+1] cycloaddition of in situ-derived azoalkenes and sulfur ylides. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6924-7	16.4	172
605	Stereoselective anhydride openings. <i>Chemical Reviews</i> , 2007 , 107, 5683-712	68.1	172
604	Diphenylphosphanylsulfoximines as ligands in iridium-catalyzed asymmetric imine hydrogenations. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7564-7	16.4	171
603	A new iron age. <i>Nature Chemistry</i> , 2009 , 1, 420	17.6	170
602	Solvent-free asymmetric organocatalysis in a ball mill. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6924-6	16.4	168
601	Helicity Induction in Helicate Self-Organisation from Chiral Tris(bipyridine) Ligand Strands. <i>Helvetica Chimica Acta</i> , 1991 , 74, 1843-1852	2	168
600	Fluorinated sulfoximines: syntheses, properties and applications. <i>Chemical Society Reviews</i> , 2014 , 43, 2426-38	58.5	166
599	Ligandenbeschleunigte Katalyse. <i>Angewandte Chemie</i> , 1995 , 107, 1159-1171	3.6	166
598	Optically Active Bipyridines in Asymmetric Catalysis. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 205-207		164
597	Asymmetric, catalytic phenyl transfer to imines: highly enantioselective synthesis of diarylmethylamines. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3692-4; 3522	16.4	162
596	Regioselective syntheses of 1,2-benzothiazines by rhodium-catalyzed annulation reactions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12349-52	16.4	161
595	Copper-catalyzed direct sulfoximation of azoles and polyfluoroarenes under ambient conditions. <i>Organic Letters</i> , 2011 , 13, 359-61	6.2	160
594	Ligand-Free Copper-Catalyzed N-Arylation of Nitrogen Nucleophiles. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 2673-2676	5.6	159

593	Light-induced ruthenium-catalyzed nitrene transfer reactions: a photochemical approach towards N-acyl sulfoximines and sulfoximines. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5639-42	16.4	156
592	Trace metal impurities in catalysis. <i>Chemical Society Reviews</i> , 2012 , 41, 979-87	58.5	155
591	Acylsilanes: valuable organosilicon reagents in organic synthesis. <i>Chemical Society Reviews</i> , 2013 , 42, 8540-71	58.5	154
590	Iron-catalyzed intramolecular o-arylation: synthesis of 2-aryl benzoxazoles. <i>Organic Letters</i> , 2008 , 10, 2665-7	6.2	153
589	On the Role of Metal Contaminants in Catalyses with FeCl ₃ . <i>Angewandte Chemie</i> , 2009 , 121, 5694-5695	3.6	144
588	Dimethyl Sulfoxide/Potassium Hydroxide: A Superbase for the Transition Metal-Free Preparation of Cross-Coupling Products. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 2892-2898	5.6	137
587	Iron salts in the catalyzed synthesis of 5-substituted 1H-tetrazoles. <i>Chemistry - A European Journal</i> , 2009 , 15, 4543-5	4.8	134
586	On the Role of Planar Chirality in Asymmetric Catalysis: A Study toward Appropriate Ferrocene Ligands for Diethylzinc Additions. <i>Journal of Organic Chemistry</i> , 1998 , 63, 7860-7867	4.2	134
585	Transition metal-free direct C-H bond thiolation of 1,3,4-oxadiazoles and related heteroarenes. <i>Chemical Communications</i> , 2012 , 48, 11307-9	5.8	133
584	Rhodium-catalyzed imination of sulfoxides and sulfides: efficient preparation of N-unsubstituted sulfoximines and sulfilimines. <i>Organic Letters</i> , 2004 , 6, 1305-7	6.2	133
583	Mechanochemistry of Gaseous Reactants. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3285-3298	6.4	133
582	Iron(II) triflate as a catalyst for the synthesis of indoles by intramolecular C-H amination. <i>Organic Letters</i> , 2011 , 13, 2012-4	6.2	132
581	Highly enantioselective hetero-Diels-Alder reactions catalyzed by a C(2)-symmetric bis(sulfoximine) copper(II) complex. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3830-1	16.4	132
580	Mechanochemical Iridium(III)-Catalyzed C-H Bond Amidation of Benzamides with Sulfonyl Azides under Solvent-Free Conditions in a Ball Mill. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3781-4	16.4	131
579	Iron-Catalyzed S-Arylation of Thiols with Aryl Iodides. <i>Angewandte Chemie</i> , 2008 , 120, 2922-2925	3.6	129
578	An Unprecedented Rhodium-Catalyzed Asymmetric Intermolecular Hydroacylation Reaction with Salicylaldehydes. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1185-1198	5.6	128
577	Highly enantioselective synthesis of optically active ketones by iridium-catalyzed asymmetric hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8920-3	16.4	128
576	C(1)-symmetric sulfoximines as ligands in copper-catalyzed asymmetric Mukaiyama-type aldol reactions. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5984-7	16.4	128

575	Practical and highly enantioselective ring opening of cyclic meso-anhydrides mediated by cinchona alkaloids. <i>Journal of Organic Chemistry</i> , 2000 , 65, 6984-91	4.2	127
574	alpha-Trialkylsilyl-Substituted alpha-Amino Acids This work was financially supported by the Fonds der Chemischen Industrie and Degussa-H&B. We are grateful to Dr. P. Phansavath for preliminary studies in this field. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2288-2290	16.4	124
573	Cu(OAc) ₂ -catalyzed N-arylations of sulfoximines with aryl boronic acids. <i>Organic Letters</i> , 2005 , 7, 2667-9	6.2	120
572	Thermal effects in the organocatalytic asymmetric Mannich reaction. <i>Journal of Organic Chemistry</i> , 2006 , 71, 2888-91	4.2	119
571	Asymmetric, Catalytic Phenyl Transfer to Aldehydes: Enantioselective Synthesis of Diarylmethanols We are grateful to the Fonds der Chemischen Industrie and to the Deutsche Forschungsgemeinschaft (DFG) within the Collaborative Research Center (SFB) 380 "Asymmetric Synthesis by Chemical and Biological Methods" for financial support. We thank Dr. John Blacker	16.4	119
570	Bis(4,5-dihydrooxazolyl) Derivatives in Asymmetric Catalysis. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 542-543		119
569	Catalyzed Enantioselective Alkylation of Aldehydes. <i>Chemische Berichte</i> , 1992 , 125, 1191-1203		119
568	Mechanochemical degradation of lignin and wood by solvent-free grinding in a reactive medium. <i>Green Chemistry</i> , 2013 , 15, 160-166	10	118
567	Synthesis and applications of silicon-containing alpha-amino acids. <i>Chemical Society Reviews</i> , 2009 , 38, 1002-10	58.5	118
566	Iron-catalyzed N-arylations of amides. <i>Chemistry - A European Journal</i> , 2008 , 14, 3527-9	4.8	117
565	Ruthenium-catalyzed C-C bond cleavage in lignin model substrates. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5859-63	16.4	115
564	Synthesis of Sulfoximine-Derived P,N Ligands and their Applications in Asymmetric Quinoline Hydrogenations. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1101-1105	5.6	115
563	Asymmetric Autocatalysis with Amplification of Chirality. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1657-1659		114
562	Iron-catalyzed imination of sulfoxides and sulfides. <i>Organic Letters</i> , 2006 , 8, 2349-52	6.2	111
561	Planar chiral arene chromium(0) complexes: potential ligands for asymmetric catalysis. <i>Chemical Society Reviews</i> , 1999 , 28, 51-59	58.5	111
560	Enantioselective organocatalytic synthesis of quaternary amino acids bearing a CF ₃ moiety. <i>Organic Letters</i> , 2011 , 13, 1044-7	6.2	110
559	The MPEG effect: improving asymmetric processes by simple additives. <i>Journal of Organic Chemistry</i> , 2004 , 69, 3997-4000	4.2	110
558	Iron-Catalyzed C7N Cross-Coupling of Sulfoximines with Aryl Iodides. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 391-394	5.6	107

557	Recent advances in the Willgerodt-Kindler reaction. <i>Chemical Society Reviews</i> , 2013 , 42, 7870-80	58.5	105
556	Copper- and Vanadium-Catalyzed Oxidative Cleavage of Lignin using Dioxygen. <i>ChemSusChem</i> , 2015 , 8, 2106-13	8.3	104
555	Catalytic Enantioselective Conjugate Addition of Dialkylzinc Compounds to Chalcones. <i>Chemische Berichte</i> , 1992 , 125, 1205-1215		104
554	Iron-Catalyzed Aziridination Reactions. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1835-1840	5.6	100
553	Synthesis of iridium complexes with new planar chiral chelating phosphinyl-imidazolylidene ligands and their application in asymmetric hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2004 , 15, 1693-1706		100
552	Catalytic enantioselective aryl transfer: asymmetric addition of diphenylzinc to aldehydes. <i>Chemical Communications</i> , 1999 , 1295-1296	5.8	100
551	Copper-catalyzed oxidative cross-coupling of sulfoximines and alkynes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3478-80	16.4	99
550	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 amino acids. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 3455-3467		99
549	Mechanochemical Rhodium(III)-Catalyzed C-H Bond Amidation of Arenes with Dioxazolones under Solventless Conditions in a Ball Mill. <i>ACS Catalysis</i> , 2017 , 7, 4592-4596	13.1	97
548	Palladium-catalyzed carbon-nitrogen bond formation: A novel, catalytic approach towards N-arylated sulfoximines. <i>Tetrahedron Letters</i> , 1998 , 39, 5731-5734	2	97
547	Palladium-catalyzed N-arylation of sulfoximines with aryl bromides and aryl iodides. <i>Journal of Organic Chemistry</i> , 2000 , 65, 169-75	4.2	97
546	Synthesis of amino-functionalized sulfonimidamides and their application in the enantioselective Henry reaction. <i>Journal of Organic Chemistry</i> , 2010 , 75, 3301-10	4.2	96
545	TEMPO oxidations with a silica-supported catalyst. <i>Chemical Communications</i> , 1999 , 1795-1796	5.8	95
544	. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 21-27	3.2	94
543	Application of a Planar Chiral η^5 -Cyclopentadienylrhenium(I)tricarbonyl Complex in Asymmetric Catalysis: Highly Enantioselective Phenyl Transfer to Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1488-1490	16.4	93
542	The First Planar-Chiral Stable Carbene and Its Metal Complexes. <i>Organometallics</i> , 2002 , 21, 707-710	3.8	93
541	Hydroarylations of heterobicyclic alkenes through rhodium-catalyzed directed C-H functionalizations of S-aryl sulfoximines. <i>Chemistry - A European Journal</i> , 2014 , 20, 15732-6	4.8	92
540	Mechanochemical Rhodium(III)-Catalyzed C-H Bond Functionalization of Acetanilides under Solventless Conditions in a Ball Mill. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7414-7	16.4	91

- 539 Acylsilane chemistry. Synthesis of regio- and stereoisomerically defined enol silyl ethers using acylsilanes. *Journal of the American Chemical Society*, **1990**, 112, 5609-5617 16.4 91
- 538 Organocatalytic Kinetic Resolution of Sulfoximines. *Journal of the American Chemical Society*, **2016**, 138, 2166-9 16.4 90
- 537 Rhodium(III)-catalyzed selective ortho-olefinations of N-acyl and N-aryl sulfoximines by C-H bond activation. *Chemistry - A European Journal*, **2014**, 20, 4896-900 4.8 90
- 536 Transition-metal-free synthesis of oxindoles by potassium tert-butoxide-promoted intramolecular arylation. *Organic Letters*, **2012**, 14, 3948-51 6.2 90
- 535 Base-catalyzed synthesis of substituted indazoles under mild, transition-metal-free conditions. *Angewandte Chemie - International Edition*, **2013**, 52, 7509-13 16.4 89
- 534 Organosilanols as catalysts in asymmetric aryl transfer reactions. *Organic Letters*, **2005**, 7, 1407-9 6.2 89
- 533 Copper-catalyzed oxidative decarboxylative couplings of sulfoximines and aryl propiolic acids. *Organic Letters*, **2013**, 15, 6155-7 6.2 87
- 532 Copper-mediated cross-coupling reactions of N-unsubstituted sulfoximines and aryl halides. *Organic Letters*, **2004**, 6, 3293-6 6.2 87
- 531 Catalytic Coupling of Aryl Sulfonates with sp²-Hybridized Nitrogen Nucleophiles: Palladium- and Nickel-catalyzed Synthesis of N-Aryl Sulfoximines. *Synthesis*, **2000**, 2000, 911-913 2.9 87
- 530 Dimethylzinc-mediated, enantioselective synthesis of propargylic amines. *Chemistry - A European Journal*, **2007**, 13, 2587-600 4.8 86
- 529 Synthesis of iridium complexes with novel planar chiral chelating imidazolylidene ligands. *Tetrahedron: Asymmetry*, **2003**, 14, 1733-1746 86
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- 525 Enantioselective nitrene transfer to sulfides catalyzed by a chiral iron complex. *Angewandte Chemie - International Edition*, **2013**, 52, 8661-5 16.4 83
- 524 Sub-mol % catalyst loading and ligand-acceleration in the copper-catalyzed coupling of aryl iodides and terminal alkynes. *Chemistry - A European Journal*, **2010**, 16, 4181-5 4.8 83
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520	Regioselective palladation of 2-oxazoliny[2.2]paracyclophanes.: Synthesis of planar-chiral phosphines. <i>Journal of Organometallic Chemistry</i> , 2002 , 662, 23-33	2.3 82
519	Transition-metal-free synthesis of benzimidazoles mediated by KOH/DMSO. <i>Organic Letters</i> , 2014 , 16, 536-9	6.2 81
518	Iron-Catalyzed C?O Cross-Couplings of Phenols with Aryl Iodides. <i>Angewandte Chemie</i> , 2008 , 120, 596-598	3.6 79
517	Synthesis of pseudo-geminal-, pseudo-ortho-, and ortho-phosphinyl-oxazoliny[2.2]paracyclophanes for use as ligands in asymmetric catalysis. <i>Journal of Organic Chemistry</i> , 2006 , 71, 4609-18	4.2 79
516	N-Arylations of sulfoximines with 2-arylpyridines by copper-mediated dual N-H/C-H activation. <i>Organic Letters</i> , 2014 , 16, 2661-3	6.2 78
515	Iodinane- and metal-free synthesis of N-cyano sulfoximines: novel and easy access of NH-sulfoximines. <i>Organic Letters</i> , 2007 , 9, 3809-11	6.2 78
514	Diphenylphosphanylsulfoximines as Ligands in Iridium-Catalyzed Asymmetric Imine Hydrogenations. <i>Angewandte Chemie</i> , 2005 , 117, 7736-7739	3.6 78
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509	N-cyano sulfoximines: COX inhibition, anticancer activity, cellular toxicity, and mutagenicity. <i>ChemMedChem</i> , 2013 , 8, 217-20	3.7 75
508	C1-symmetric aminosulfoximines in copper-catalyzed asymmetric vinylogous Mukaiyama aldol reactions. <i>Chemistry - A European Journal</i> , 2010 , 16, 4577-87	4.8 75
507	Silver-catalyzed imination of sulfoxides and sulfides. <i>Organic Letters</i> , 2005 , 7, 4983-5	6.2 75
506	Resolution of racemic 2-aminocyclohexanol derivatives and their application as ligands in asymmetric catalysis. <i>Journal of Organic Chemistry</i> , 2006 , 71, 2320-31	4.2 75
505	Iron-Catalyzed Sonogashira Reactions. <i>Angewandte Chemie</i> , 2008 , 120, 4940-4943	3.6 74
504	Efficient copper-catalyzed N-arylation of sulfoximines with aryl iodides and aryl bromides. <i>Journal of Organic Chemistry</i> , 2005 , 70, 6904-6	4.2 74

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502	Use of molecular oxygen in the Baeyer-Villiger oxidation the influence of metal catalysts. <i>Tetrahedron Letters</i> , 1993 , 34, 3405-3408	2	74
501	Asymmetrische Sulfid-Oxidation mit Vanadium-Katalysatoren und H ₂ O ₂ . <i>Angewandte Chemie</i> , 1995 , 107, 2883-2885	3.6	73
500	Silver-Mediated N-Trifluoromethylation of Sulfoximines. <i>Organic Letters</i> , 2015 , 17, 3166-9	6.2	72
499	Copper-Catalyzed Cross-Couplings with Part-per-Million Catalyst Loadings. <i>Angewandte Chemie</i> , 2009 , 121, 5801-5803	3.6	72
498	New insights into the stereoselectivity of the aryl zinc addition to aldehydes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1548-52	16.4	72
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496	Organocatalytic Chemoselective Primary Alcohol Oxidation and Subsequent Cleavage of Lignin Model Compounds and Lignin. <i>ChemSusChem</i> , 2017 , 10, 2707-2713	8.3	70
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189	Palladium-Catalyzed Olefinations of Aryl Halides (Heck Reaction) and Related Transformations	271-305	15
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107	Pauson-Khand Reactions	619-632		7
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