

# Magnus Rueping

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9374361/magnus-rueping-publications-by-citations.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

389  
papers

28,506  
citations

96  
h-index

150  
g-index

546  
ext. papers

31,840  
ext. citations

8.3  
avg, IF

7.91  
L-index

#	Paper	IF	Citations
389	Complete field guide to asymmetric BINOL-phosphate derived Brønsted acid and metal catalysis: history and classification by mode of activation; Brønsted acidity, hydrogen bonding, ion pairing, and metal phosphates. <i>Chemical Reviews</i> , <b>2014</b> , 114, 9047-153	68.1	1300
388	Catalytic C-C bond-forming multi-component cascade or domino reactions: pushing the boundaries of complexity in asymmetric organocatalysis. <i>Chemical Reviews</i> , <b>2014</b> , 114, 2390-431	68.1	814
387	A highly enantioselective Brønsted acid catalyzed cascade reaction: organocatalytic transfer hydrogenation of quinolines and their application in the synthesis of alkaloids. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 3683-6	16.4	641
386	Chiral Brønsted acids in enantioselective carbonyl activations--activation modes and applications. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 4539-49	58.5	468
385	Enantioselective Brønsted acid catalyzed transfer hydrogenation: organocatalytic reduction of imines. <i>Organic Letters</i> , <b>2005</b> , 7, 3781-3	6.2	441
384	A review of new developments in the Friedel-Crafts alkylation - From green chemistry to asymmetric catalysis. <i>Beilstein Journal of Organic Chemistry</i> , <b>2010</b> , 6, 6	2.5	438
383	A new copper acetate-bis(oxazoline)-catalyzed, enantioselective Henry reaction. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 12692-3	16.4	433
382	Unifying metal and Brønsted acid catalysis--concepts, mechanisms, and classifications. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 9350-65	4.8	384
381	Dual catalysis: combining photoredox and Lewis base catalysis for direct Mannich reactions. <i>Chemical Communications</i> , <b>2011</b> , 47, 2360-2	5.8	344
380	Oxygen switch in visible-light photoredox catalysis: radical additions and cyclizations and unexpected C-C-bond cleavage reactions. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1823-9	16.4	328
379	Asymmetric Brønsted acid catalysis: enantioselective nucleophilic substitutions and 1,4-additions. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 593-6	16.4	301
378	Dual catalysis: a combined enantioselective Brønsted acid and metal-catalyzed reaction--metal catalysis with chiral counterions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6903-6	16.4	291
377	Remarkably low catalyst loading in Brønsted acid catalyzed transfer hydrogenations: enantioselective reduction of benzoxazines, benzothiazines, and benzoxazinones. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 6751-5	16.4	277
376	Merging Visible Light Photoredox Catalysis with Metal Catalyzed C-H Activations: On the Role of Oxygen and Superoxide Ions as Oxidants. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1969-79	24.3	270
375	Chiral Brønsted acids in the catalytic asymmetric Nazarov cyclization--the first enantioselective organocatalytic electrocyclic reaction. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2097-100	16.4	265
374	Organocatalytic enantioselective reduction of pyridines. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4562-5	16.4	259
373	Photoredox catalyzed C-P bond forming reactions-visible light mediated oxidative phosphorylations of amines. <i>Chemical Communications</i> , <b>2011</b> , 47, 8679-81	5.8	255

372	Eine hoch enantioselektive Brønsted-Säure-katalysierte Kaskadenreaktion: organokatalytische Transferhydrierung von Chinolinen und deren Anwendung in der Synthese von Alkaloiden. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 3765-3768	3.6	249
371	Advances in catalytic metal-free reductions: from bio-inspired concepts to applications in the organocatalytic synthesis of pharmaceuticals and natural products. <i>Green Chemistry</i> , <b>2011</b> , 13, 1084	10	240
370	N-trifluoromethylthiophthalimide: a stable electrophilic SCF <sub>3</sub> -reagent and its application in the catalytic asymmetric trifluoromethylsulfenylation. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12856-9	16.4	226
369	Direct catalytic trifluoromethylthiolation of boronic acids and alkynes employing electrophilic shelf-stable N-(trifluoromethylthio)phthalimide. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1650-3	16.4	217
368	Modulating the acidity: highly acidic Brønsted acids in asymmetric catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 6706-20	16.4	217
367	Chiral organic contact ion pairs in metal-free catalytic asymmetric allylic substitutions. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3732-5	16.4	214
366	Photoredox-Catalyzed Reductive Coupling of Aldehydes, Ketones, and Imines with Visible Light. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8828-32	16.4	198
365	Visible-light photoredox catalyzed oxidative Strecker reaction. <i>Chemical Communications</i> , <b>2011</b> , 47, 12709-11	9.81	197
364	Light-mediated heterogeneous cross dehydrogenative coupling reactions: metal oxides as efficient, recyclable, photoredox catalysts in C-C bond-forming reactions. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 3478-81	4.8	196
363	Dual catalysis: combination of photocatalytic aerobic oxidation and metal catalyzed alkynylation reactions--C-C bond formation using visible light. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 5170-4	4.8	195
362	A highly enantioselective Brønsted acid catalyst for the Strecker reaction. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2617-9	16.4	192
361	Enantio- and diastereoselective access to distant stereocenters embedded within tetrahydroxanthenes: utilizing ortho-quinone methides as reactive intermediates in asymmetric Brønsted acid catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13258-63	16.4	187
360	Thieme Chemistry Journal Awardees - Where Are They Now? Asymmetric Brønsted Acid Catalyzed Transfer Hydrogenations. <i>Synlett</i> , <b>2010</b> , 2010, 852-865	2.2	183
359	Asymmetric organocatalysis: an efficient enantioselective access to benzopyranes and chromenes. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 6329-32	4.8	181
358	Synthesis of indoles using visible light: photoredox catalysis for palladium-catalyzed C-H activation. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13264-8	16.4	177
357	Merging visible-light photoredox and Lewis acid catalysis for the functionalization and arylation of glycine derivatives and peptides. <i>Chemical Communications</i> , <b>2012</b> , 48, 11960-2	5.8	175
356	Asymmetric Brønsted acid catalysis: catalytic enantioselective synthesis of highly biologically active dihydroquinazolinones. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 908-10	16.4	175
355	Asymmetric Counterion Pair Catalysis: An Enantioselective Brønsted Acid-Catalyzed Protonation. <i>Advanced Synthesis and Catalysis</i> , <b>2008</b> , 350, 1001-1006	5.6	173

- 354 Visible light mediated azomethine ylide formation-photoredox catalyzed [3+2] cycloadditions. *Chemical Communications*, **2011**, 47, 9615-7 5.8 172
- 353 Cooperative coexistence: effective interplay of two Brønsted acids in the asymmetric synthesis of isoquinuclidines. *Angewandte Chemie - International Edition*, **2006**, 45, 7832-5 16.4 172
- 352 Ortho-quinone methides as reactive intermediates in asymmetric Brønsted Acid catalyzed cycloadditions with unactivated alkenes by exclusive activation of the electrophile. *Angewandte Chemie - International Edition*, **2015**, 54, 5762-5 16.4 167
- 351 Highly enantioselective organocatalytic carbonyl-ene reaction with strongly acidic, chiral Brønsted acids as efficient catalysts. *Angewandte Chemie - International Edition*, **2008**, 47, 6798-801 16.4 159
- 350 The first general, efficient and highly enantioselective reduction of quinoxalines and quinoxalinones. *Chemistry - A European Journal*, **2010**, 16, 2688-91 4.8 156
- 349 Continuous Flow Organocatalytic C-H Functionalization and Cross-Dehydrogenative Coupling Reactions: Visible Light Organophotocatalysis for Multicomponent Reactions and C-C, C-F Bond Formations. *ACS Catalysis*, **2013**, 3, 1676-1680 13.1 152
- 348 An Effective Bismuth-Catalyzed Benzoylation of Arenes and Heteroarenes. *Advanced Synthesis and Catalysis*, **2006**, 348, 1033-1037 5.6 151
- 347 Asymmetric Brønsted acid catalysis in aqueous solution. *Chemical Science*, **2010**, 1, 473 9.4 146
- 346 Asymmetric Organocatalysis in Continuous Flow: Opportunities for Impacting Industrial Catalysis. *ACS Catalysis*, **2015**, 5, 1972-1985 13.1 143
- 345 Asymmetric iminium ion catalysis: an efficient enantioselective synthesis of pyranonaphthoquinones and beta-lapachones. *Angewandte Chemie - International Edition*, **2008**, 47, 3046-9 16.4 140
- 344 Reductive Umpolung of Carbonyl Derivatives with Visible-Light Photoredox Catalysis: Direct Access to Vicinal Diamines and Amino Alcohols via  $\alpha$ -Amino Radicals and Ketyl Radicals. *Angewandte Chemie - International Edition*, **2016**, 55, 6776-9 16.4 139
- 343 Asymmetrische Brønsted-Säure-Katalyse: enantioselektive nucleophile Substitutionen und 1,4-Additionen. *Angewandte Chemie*, **2008**, 120, 603-606 3.6 138
- 342 Asymmetric organocatalytic domino Michael/aldol reactions: enantioselective synthesis of chiral cycloheptanones, tetrahydrochromenones, and polyfunctionalized bicyclo[3.2.1]octanes. *Angewandte Chemie - International Edition*, **2009**, 48, 3699-702 16.4 136
- 341 Combining rhodium and photoredox catalysis for C-H functionalizations of arenes: oxidative Heck reactions with visible light. *Angewandte Chemie - International Edition*, **2014**, 53, 10228-31 16.4 131
- 340 Efficient metal-catalyzed direct benzylation and allylic alkylation of 2,4-pentanediones. *Organic Letters*, **2007**, 9, 825-8 6.2 131
- 339 Copper catalyzed C-H functionalization for direct Mannich reactions. *Organic Letters*, **2011**, 13, 1095-7 6.2 130
- 338 Gamma2-, gamma3-, and gamma(2,3,4)-amino acids, coupling to gamma-hexapeptides: CD spectra, NMR solution and X-ray crystal structures of gamma-peptides. *Chemistry - A European Journal*, **2002**, 8, 573-84 4.8 130
- 337 Decarbonylative Cross-Couplings: Nickel Catalyzed Functional Group Interconversion Strategies for the Construction of Complex Organic Molecules. *Accounts of Chemical Research*, **2018**, 51, 1185-1195 24.3 129

336	On the acidity and reactivity of highly effective chiral Brønsted acid catalysts: establishment of an acidity scale. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11569-72	16.4	127
335	Catalytic Ester and Amide to Amine Interconversion: Nickel-Catalyzed Decarbonylative Amination of Esters and Amides by C-O and C-C Bond Activation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4282-4285	16.4	126
334	Cellular uptake studies with beta-peptides. <i>ChemBioChem</i> , <b>2002</b> , 3, 257-9	3.8	126
333	Photoredox Catalysis as an Efficient Tool for the Aerobic Oxidation of Amines and Alcohols: Bioinspired Demethylations and Condensations. <i>ACS Catalysis</i> , <b>2012</b> , 2, 2810-2815	13.1	125
332	Metal-Free, Enantioselective Strecker Reactions Catalyzed by Chiral BINOL and TADDOL Catalysts. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 759-764	5.6	124
331	Efficient metal-catalyzed hydroarylation of styrenes. <i>Organic Letters</i> , <b>2006</b> , 8, 3717-9	6.2	124
330	Selective Reductive Removal of Ester and Amide Groups from Arenes and Heteroarenes through Nickel-Catalyzed C-O and C-N Bond Activation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3972-3976	16.4	123
329	Duale Katalyse: eine kombinierte enantioselective Brønsted-Säure- und metallkatalysierte Reaktion [Metallkatalyse mit chiralem Gegenion. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 7027-7030	3.6	121
328	Geringste Katalysatormengen in der Brønsted-Säure-katalysierten Transferhydrierung: enantioselective Reduktion von Benzoxazinen, Benzthiazinen und Benzoxazinonen. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 6903-6907	3.6	121
327	Visible light photoredox-catalyzed multicomponent reactions. <i>Organic Letters</i> , <b>2013</b> , 15, 2092-5	6.2	120
326	A Catalytic Asymmetric Electrocyclization-Protonation Reaction. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 78-84	5.6	116
325	Ligand-Controlled Chemoselective C(acyl)-O Bond vs C(aryl)-C Bond Activation of Aromatic Esters in Nickel Catalyzed C(sp)-C(sp) Cross-Couplings. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3724-3735	16.4	114
324	Manganese-Catalyzed C-H Functionalizations: Hydroarylations and Alkenylations Involving an Unexpected Heteroaryl Shift. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9935-9938	16.4	113
323	Brønsted-acid-catalyzed activation of nitroalkanes: a direct enantioselective aza-Henry reaction. <i>Organic Letters</i> , <b>2008</b> , 10, 1731-4	6.2	113
322	Cross-Coupling of Sodium Sulfinates with Aryl, Heteroaryl, and Vinyl Halides by Nickel/Photoredox Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1371-1375	16.4	112
321	Potassium tert-butoxide mediated Heck-type cyclization/isomerization-benzofurans from organocatalytic radical cross-coupling reactions. <i>Chemical Communications</i> , <b>2011</b> , 47, 10629-31	5.8	112
320	Organokatalytische enantioselective Reduktion von Pyridinen. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 4646-4649	3.9	112
319	Lewis Acid Assisted Nickel-Catalyzed Cross-Coupling of Aryl Methyl Ethers by C-O Bond-Cleaving Alkylation: Prevention of Undesired $\beta$ -Hydride Elimination. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6093-8	16.4	112

- 318 Recent advances in photoredox and nickel dual-catalyzed cascade reactions: pushing the boundaries of complexity. *Chemical Science*, **2020**, 11, 4051-4064 9.4 110
- 317 Enantioselective organocatalytic synthesis of quaternary  $\beta$ -amino acids bearing a CF<sub>3</sub> moiety. *Organic Letters*, **2011**, 13, 1044-7 6.2 110
- 316 Chirale Brønsted-Säuren in der katalytischen asymmetrischen Nazarov-Reaktion Die erste enantioselektive organokatalytische elektrocyclische Reaktion. *Angewandte Chemie*, **2007**, 119, 2143-2146 2.6 109
- 315 A highly enantioselective Brønsted acid catalyzed reaction cascade. *Angewandte Chemie - International Edition*, **2008**, 47, 5836-8 16.4 109
- 314 Visible-light mediated heterogeneous C-H functionalization: oxidative multi-component reactions using a recyclable titanium dioxide (TiO<sub>2</sub>) catalyst. *Green Chemistry*, **2013**, 15, 2056 10 108
- 313 An enantioselective chiral Brønsted acid catalyzed imino-azaenamine reaction. *Organic Letters*, **2007**, 9, 1065-8 6.2 108
- 312 Metal-Free Brønsted Acid Catalyzed Transfer Hydrogenation - New Organocatalytic Reduction of Quinolines. *Synlett*, **2006**, 2006, 1071-1074 2.2 108
- 311 Catalytic asymmetric mannich-ketalization reaction: highly enantioselective synthesis of aminobenzopyrans. *Chemistry - A European Journal*, **2010**, 16, 4169-72 4.8 107
- 310 Modulation der Acidität Hoch acide Brønsted-Säuren in der asymmetrischen Katalyse. *Angewandte Chemie*, **2011**, 123, 6838-6853 3.6 105
- 309 Synthesis and Application of Polymer-Supported Chiral Brønsted Acid Organocatalysts. *Advanced Synthesis and Catalysis*, **2010**, 352, 281-287 5.6 105
- 308 Photoorganocatalysed and visible light photoredox catalysed trifluoromethylation of olefins and (hetero)aromatics in batch and continuous flow. *Chemical Communications*, **2016**, 52, 2493-6 5.8 104
- 307 Asymmetric Brønsted Acid Catalyzed Synthesis of Triarylmethanes-Construction of Communesin and Spiroindoline Scaffolds. *Angewandte Chemie - International Edition*, **2015**, 54, 15540-4 16.4 104
- 306 Asymmetric Brønsted Acid-Catalyzed Friedel-Crafts Reactions of Indoles with Cyclic Imines - Efficient Generation of Nitrogen-Substituted Quaternary Carbon Centers. *Advanced Synthesis and Catalysis*, **2011**, 353, 563-568 5.6 104
- 305 Metal-catalyzed dealkoxylation C(aryl)-C(sp<sup>3</sup>) cross-coupling-replacement of aromatic methoxy groups of aryl ethers by employing a functionalized nucleophile. *Angewandte Chemie - International Edition*, **2014**, 53, 12912-5 16.4 103
- 304 Design, machine synthesis, and NMR-solution structure of a heptapeptide forming a salt-bridge stabilised 314-helix in methanol and in water. *Chemical Communications*, **2001**, 649-650 5.8 103
- 303 C-H functionalization of phenols using combined ruthenium and photoredox catalysis: in situ generation of the oxidant. *Angewandte Chemie - International Edition*, **2015**, 54, 2801-5 16.4 102
- 302 Asymmetric synthesis of indolines by catalytic enantioselective reduction of 3H-indoles. *Organic Letters*, **2010**, 12, 4604-7 6.2 102
- 301 Hydrotrifluoromethylthiolation of  $\beta$ -diazo esters--synthesis of  $\beta$ -CF<sub>3</sub> substituted esters. *Chemical Communications*, **2014**, 50, 6617-9 5.8 101

300	Catalytic enantioselective trifluoromethylthiolation of oxindoles using shelf-stable N-(trifluoromethylthio)phthalimide and a cinchona alkaloid catalyst. <i>Chemical Communications</i> , <b>2014</b> , 50, 2508-11	5.8	100
299	Phosphine-Catalyzed $\beta$ -Umpolung Domino Reaction of Allenic Esters: Facile Synthesis of Tetrahydrobenzofuranones Bearing a Chiral Tetrasubstituted Stereogenic Carbon Center. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15511-5	16.4	100
298	Brønsted acid catalysis: hydrogen bonding versus ion pairing in imine activation. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 6364-9	16.4	100
297	Unexpected Dual Role of Titanium Dioxide in the Visible Light Heterogeneous Catalyzed C-H Arylation of Heteroarenes. <i>ACS Catalysis</i> , <b>2015</b> , 5, 3900-3904	13.1	98
296	Ein hoch enantioselektiver Brønsted-Säure-Katalysator für die Strecker-Reaktion. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2679-2681	3.6	98
295	Brønsted Acid Catalysis: Organocatalytic Hydrogenation of Imines. <i>Synlett</i> , <b>2005</b> , 2005, 2367-2369	2.2	98
294	Decarbonylative Silylation of Esters by Combined Nickel and Copper Catalysis for the Synthesis of Arylsilanes and Heteroarylsilanes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11810-3	16.4	97
293	Online monitoring and analysis for autonomous continuous flow self-optimizing reactor systems. <i>Reaction Chemistry and Engineering</i> , <b>2016</b> , 1, 129-133	4.9	94
292	Copper-catalyzed trifluoromethyl thiolation--mild and efficient synthesis of trifluoromethyl thioethers. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14043-6	4.8	94
291	Catalytic asymmetric aminoallylation of aldehydes: a catalytic enantioselective aza-Cope rearrangement. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 10090-3	16.4	94
290	Hydrogenation of CO-Derived Carbonates and Polycarbonates to Methanol and Diols by Metal-Ligand Cooperative Manganese Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13439-13443	16.4	92
289	Room-Temperature C-H Bond Functionalization by Merging Cobalt and Photoredox Catalysis. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8115-8120	13.1	89
288	Catalytic asymmetric domino Michael addition-alkylation reaction: enantioselective synthesis of dihydrofurans. <i>Organic Letters</i> , <b>2010</b> , 12, 5680-3	6.2	89
287	Asymmetric Brønsted Acid Catalyzed Nucleophilic Addition to in situ Generated Chiral N-Acyliminium Ions. <i>Synlett</i> , <b>2010</b> , 2010, 119-122	2.2	88
286	Synthesis and structural aspects of N-triflylphosphoramides and their calcium salts--highly acidic and effective Brønsted acids. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 13116-26	4.8	87
285	Enantioselective Organocatalytic Reactions of 4-Hydroxycoumarin and 4-Hydroxypyronone with $\beta$ -Unsaturated Aldehydes: An Efficient Michael Addition-Acetalization Cascade to Chromenones, Quinolinones and Pyranones. <i>Advanced Synthesis and Catalysis</i> , <b>2008</b> , 350, 2127-2131	5.6	87
284	Preparation and determination of X-ray-crystal and NMR-solution structures of $\alpha$ , $\beta$ , $\gamma$ -peptides. <i>Chemical Communications</i> , <b>2001</b> , 207-208	5.8	86
283	Direct Cross-Coupling of Allylic C(sp <sup>3</sup> )-H Bonds with Aryl- and Vinylbromides by Combined Nickel and Visible-Light Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10333-10337	16.4	83

- 282 Catalytic asymmetric addition of aldehydes to oxocarbenium ions: a dual catalytic system for the synthesis of chromenes. *Organic Letters*, **2012**, 14, 4642-5 6.2 83
- 281 Catalytic asymmetric domino Michael-Henry reaction: enantioselective access to bicycles with consecutive quaternary centers by using bifunctional catalysts. *Chemistry - A European Journal*, **2010**, 16, 4173-6 4.8 82
- 280 Development of the First Brønsted Acid Assisted Enantioselective Brønsted Acid Catalyzed Direct Mannich Reaction. *Synlett*, **2007**, 2007, 1441-1445 2.2 82
- 279 Mixed  $\alpha/\beta$ -Hexapeptides and  $\alpha/\beta$ -Nonapeptides Folding to (P)-Helices with Alternating Twelve- and Ten-Membered Hydrogen-Bonded Rings. *Helvetica Chimica Acta*, **2002**, 85, 2577-2593 2 82
- 278 Nickel-catalyzed C-N bond activation: activated primary amines as alkylating reagents in reductive cross-coupling. *Chemical Science*, **2019**, 10, 4430-4435 9.4 81
- 277 The Dual Role of Benzophenone in Visible-Light/Nickel Photoredox-Catalyzed C-H Arylations: Hydrogen-Atom Transfer and Energy Transfer. *Angewandte Chemie - International Edition*, **2019**, 58, 3566-3570 16.4 81
- 276 A review of asymmetric synthetic organic electrochemistry and electrocatalysis: concepts, applications, recent developments and future directions. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 2710-2746 2.5 81
- 275 Asymmetric oxidative Lewis base catalysis-unifying iminium and enamine organocatalysis with oxidations. *Chemical Communications*, **2012**, 48, 2201-3 5.8 80
- 274 Solution processable metal-organic frameworks for mixed matrix membranes using porous liquids. *Nature Materials*, **2020**, 19, 1346-1353 27 78
- 273 Direct Catalytic Trifluoromethylthiolation of Boronic Acids and Alkynes Employing Electrophilic Shelf-Stable N-(trifluoromethylthio)phthalimide. *Angewandte Chemie*, **2014**, 126, 1676-1679 3.6 77
- 272 Transition-Metal-Catalyzed Decarbonylative Coupling Reactions: Concepts, Classifications, and Applications. *Chemistry - A European Journal*, **2018**, 24, 7794-7809 4.8 76
- 271 Brønsted acid differentiated metal catalysis by kinetic discrimination. *Chemical Communications*, **2011**, 47, 304-6 5.8 76
- 270 Nickel-Catalyzed C=O Bond-Cleaving Alkylation of Esters: Direct Replacement of the Ester Moiety by Functionalized Alkyl Chains. *ACS Catalysis*, **2017**, 7, 4491-4496 13.1 75
- 269 Direct enantioselective access to 4-substituted tetrahydroquinolines by catalytic asymmetric transfer hydrogenation of quinolines. *Organic and Biomolecular Chemistry*, **2011**, 9, 6844-50 3.9 75
- 268 Visible Light-Induced Excited-State Transition-Metal Catalysis. *Trends in Chemistry*, **2019**, 1, 510-523 14.8 74
- 267 Nickel-Catalyzed Csp<sup>2</sup>-Csp<sup>3</sup> Cross-Coupling via C=O Bond Activation. *ACS Catalysis*, **2016**, 6, 4438-4442 13.1 74
- 266 Immobilization and continuous recycling of photoredox catalysts in ionic liquids for applications in batch reactions and flow systems: catalytic alkene isomerization by using visible light. *Chemistry - A European Journal*, **2015**, 21, 5350-4 4.8 74
- 265 The fourth helical secondary structure of beta-peptides: the (P)-28-helix of a beta-hexapeptide consisting of (2R,3S)-3-amino-2-hydroxy acid residues. *Angewandte Chemie - International Edition*, **2003**, 42, 1534-7 16.4 74



264	Kooperative Koexistenz: effizientes Zusammenspiel zweier Brønsted-Säuren in der asymmetrischen Synthese von Isochinuclidinen. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 7996-7999	3.6	73
263	Remote Nickel-Catalyzed Cross-Coupling Arylation via Proton-Coupled Electron Transfer-Enabled C-C Bond Cleavage. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3532-3539	16.4	73
262	Enantio- and Diastereoselective Access to Distant Stereocenters Embedded within Tetrahydroxanthenes: Utilizing ortho-Quinone Methides as Reactive Intermediates in Asymmetric Brønsted Acid Catalysis. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13474-13479	3.6	71
261	Decarboxylative Aminomethylation of Aryl- and Vinylsulfonates through Combined Nickel- and Photoredox-Catalyzed Cross-Coupling. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16437-16440	4.8	71
260	Shedding light on organocatalysis-light-assisted asymmetric ion-pair catalysis for the enantioselective hydrogenation of pyrylium ions. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9775-9	4.8	70
259	N-Trifluormethylthiophthalimid: ein stabiles, elektrophiles SCF <sub>3</sub> - Reagens und seine Anwendung in der katalytischen asymmetrischen Trifluormethylsulfenylierung. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 13093-13097	3.6	70
258	Functional Group Interconversion: Decarbonylative Borylation of Esters for the Synthesis of Organoboronates. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16787-16790	4.8	69
257	Catalytic C Alkylation with Methanol and Isotope-Labeled Methanol. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 775-779	16.4	69
256	Nickel-Catalyzed Alkoxy-Alkyl Interconversion with Alkylborane Reagents through C-O Bond Activation of Aryl and Enol Ethers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15415-15419	16.4	68
255	Direct trifluoromethylthiolation of alcohols under mild reaction conditions: conversion of R-OH into R-SCF <sub>3</sub> . <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 9867-70	4.8	68
254	Visible-Light Photoredox-Catalyzed Giese Reaction: Decarboxylative Addition of Amino Acid Derived $\alpha$ -Amino Radicals to Electron-Deficient Olefins. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 13464-8	4.8	68
253	Asymmetric Brønsted acid catalyzed cycloadditions—efficient enantioselective synthesis of pyrazolidines, pyrazolines, and 1,3-diamines from N-acyl hydrazones and alkenes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 12864-8	16.4	67
252	Asymmetric metal-free synthesis of fluoroquinolones by organocatalytic hydrogenation. <i>Tetrahedron</i> , <b>2010</b> , 66, 6565-6568	2.4	67
251	Heterogeneous Visible-Light Photoredox Catalysis with Graphitic Carbon Nitride for $\alpha$ -Aminoalkyl Radical Additions, Allylations, and Heteroarylations. <i>ACS Catalysis</i> , <b>2018</b> , 8, 9471-9476	13.1	67
250	Nickel-Catalyzed Chain-Walking Cross-Electrophile Coupling of Alkyl and Aryl Halides and Olefin Hydroarylation Enabled by Electrochemical Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6513-6519	16.4	67
249	Fast, efficient, mild, and metal-free synthesis of pyrroles by domino reactions in water. <i>Organic Letters</i> , <b>2010</b> , 12, 5281-3	6.2	66
248	First Highly Enantioselective Synthesis of Benzodiazepinones by Catalytic Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 2629-2634	5.6	66
247	A multicomponent synthesis of stereodefined olefins via nickel catalysis and single electron/triplet energy transfer. <i>Nature Catalysis</i> , <b>2019</b> , 2, 678-687	36.5	65

246	Copper catalyzed oxidative coupling reactions for trifluoromethylselenolations--synthesis of R-SeCF <sub>3</sub> compounds using air stable tetramethylammonium trifluoromethylselenate. <i>Chemical Communications</i> , <b>2015</b> , 51, 4394-7	5.8	65
245	Asymmetric Brønsted acid catalyzed carbonyl activation--organocatalytic domino electrocyclozation-halogenation reaction. <i>Chemical Communications</i> , <b>2011</b> , 47, 11450-2	5.8	65
244	Highly Chemo- and Stereoselective Transfer Semihydrogenation of Alkynes Catalyzed by a Stable, Well-Defined Manganese(II) Complex. <i>ACS Catalysis</i> , <b>2018</b> , 8, 4103-4109	13.1	64
243	Linear, Peptidase-Resistant $\alpha/\beta$ -Di- and $\beta/\beta$ -Tetrapeptide Derivatives with Nanomolar Affinities to a Human Somatostatin Receptor, Preliminary Communication. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 3503-3510	3.5	63
242	Visible-light photoredox catalyzed synthesis of pyrroloisoquinolines via organocatalytic oxidation/[3 + 2] cycloaddition/oxidative aromatization reaction cascade with Rose Bengal. <i>Beilstein Journal of Organic Chemistry</i> , <b>2014</b> , 10, 1233-8	2.5	62
241	Amide to Alkyne Interconversion via a Nickel/Copper-Catalyzed Deamidative Cross-Coupling of Aryl and Alkenyl Amides. <i>Organic Letters</i> , <b>2017</b> , 19, 3091-3094	6.2	61
240	Asymmetrische Iminiumionenkatalyse: ein enantioselektiver Zugang zu Pyranonaphthochinonen und $\beta$ -Lapachonen. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 3089-3092	3.6	61
239	Merging Iron Catalysis and Biocatalysis-Iron Carbonyl Complexes as Efficient Hydrogen Autotransfer Catalysts in Dynamic Kinetic Resolutions. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13602-13605	16.4	61
238	Visible light photoredox-catalysed intermolecular radical addition of halo amides to olefins. <i>Chemical Communications</i> , <b>2014</b> , 50, 3619-22	5.8	60
237	Oxidative Addition to Palladium(0) Made Easy through Photoexcited-State Metal Catalysis: Experiment and Computation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3412-3416	16.4	60
236	Ortho-Chinonmethide als reaktive Intermediate in asymmetrischen Brønsted-Säure-katalysierten Cycloadditionen mit Alkenen mittels exklusiver Aktivierung des Elektrophils. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5854-5857	3.6	59
235	Mechanism and selectivity of N-triflylphosphoramidate catalyzed (3(+) + 2) cycloaddition between hydrazones and alkenes. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13769-80	16.4	58
234	Catalytic and asymmetric fluorolactonisations of carboxylic acids through anion phase transfer. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 83-6	4.8	58
233	Relay catalysis: combined metal catalyzed oxidation and asymmetric iminium catalysis for the synthesis of bi- and tricyclic chromenes. <i>Chemical Communications</i> , <b>2012</b> , 48, 3406-8	5.8	58
232	Nickel catalyzed dealkoxylation C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) cross coupling reactions--stereospecific synthesis of allylsilanes from enol ethers. <i>Chemical Communications</i> , <b>2015</b> , 51, 1937-40	5.8	57
231	Nickel-Catalyzed C-S Bond Formation via Decarbonylative Thioetherification of Esters, Amides and Intramolecular Recombination Fragment Coupling of Thioesters. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3608-3612	4.8	57
230	Magnesium-Catalyzed Hydroboration of Terminal and Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7025-7029	16.4	56
229	Brønsted Acid Catalysis: Hydrogen Bonding versus Ion Pairing in Imine Activation. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6488-6493	3.6	56

228	Nature-inspired cascade catalysis: reaction control through substrate concentration--double vs. quadruple domino reactions. <i>Chemical Communications</i> , <b>2011</b> , 47, 3828-30	5.8	56
227	Continuous-flow catalytic asymmetric hydrogenations: Reaction optimization using FTIR inline analysis. <i>Beilstein Journal of Organic Chemistry</i> , <b>2012</b> , 8, 300-7	2.5	56
226	Nickel-Catalyzed C-CN Bond Formation via Decarbonylative Cyanation of Esters, Amides, and Intramolecular Recombination Fragment Coupling of Acyl Cyanides. <i>Organic Letters</i> , <b>2017</b> , 19, 4255-4258	6.2	55
225	Synthese von Indolen mithilfe von sichtbarem Licht: Photoredoxkatalyse für die Palladium-katalysierte C-H-Aktivierung. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13480-13484	3.6	54
224	Eine hoch enantioselektive organokatalytische Carbonyl-En-Reaktion mit chiralen, stark aciden Brønsted-Säuren als effizienten Katalysatoren. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 6903-6906	3.6	54
223	Thiopeptides: Synthesis, NMR Solution Structure, CD Spectra, and Photochemistry. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 2067-2093	2	54
222	On the Acidity and Reactivity of Highly Effective Chiral Brønsted Acid Catalysts: Establishment of an Acidity Scale. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11783-11786	3.6	53
221	Asymmetrische Brønsted-Säure-Katalyse: katalytische enantioselektive Synthese von hochaktiven Dihydrochinazolinon-Wirkstoffen. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 925-927	3.6	53
220	A Manganese-Catalyzed Cross-Coupling Reaction. <i>Synlett</i> , <b>2007</b> , 2007, 0247-0250	2.2	53
219	Shedding light on Brønsted acid catalysis--a photocyclization-reduction reaction for the asymmetric synthesis of tetrahydroquinolines from aminochalcones in batch and flow. <i>Chemical Communications</i> , <b>2013</b> , 49, 7953-5	5.8	52
218	Visible-light photoredox-catalyzed synthesis of nitrones: unexpected rate acceleration by water in the synthesis of isoxazolidines. <i>Organic Letters</i> , <b>2014</b> , 16, 2872-5	6.2	51
217	Asymmetric Brønsted Acid Catalyzed Substitution of Diaryl Methanols with Thiols and Alcohols for the Synthesis of Chiral Thioethers and Ethers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 4803-7	16.4	51
216	Asymmetrische Brønsted-Säure-katalysierte Synthese von Triarylmethanen (Aufbau von Communesin- und Spiroindolin-Geräten. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15760-15765	3.6	50
215	Katalytische asymmetrische Aminoallylierung von Aldehyden (eine katalytische enantioselektive Aza-Cope-Umlagerung. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 10244-10247	3.6	50
214	Blue light mediated C-H arylation of heteroarenes using TiO <sub>2</sub> as an immobilized photocatalyst in a continuous-flow microreactor. <i>Green Chemistry</i> , <b>2017</b> , 19, 1911-1918	10	49
213	Self-Optimizing Reactor Systems: Algorithms, On-line Analytics, Setups, and Strategies for Accelerating Continuous Flow Process Optimization. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 341-350	3.4	49
212	Kombinierte Rhodium- und Photoredoxkatalyse in der C-H-Funktionalisierung von Arenen: oxidative Heck-Reaktionen mit sichtbarem Licht. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10392-10396	3.6	48
211	Sustainable Alkylation of Unactivated Esters and Amides with Alcohols Enabled by Manganese Catalysis. <i>Organic Letters</i> , <b>2018</b> , 20, 7779-7783	6.2	48

210	Trifluoromethylselenolation of Aryldiazonium Salts: A Mild and Convenient Copper-Catalyzed Procedure for the Introduction of the SeCF <sub>3</sub> Group. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 2620-3	4.8	47
209	Manganese Catalyzed Regioselective C-H Alkylation: Experiment and Computation. <i>Organic Letters</i> , <b>2018</b> , 20, 3105-3108	6.2	47
208	Metal-free reduction of the greenhouse gas sulfur hexafluoride, formation of SF <sub>5</sub> containing ion pairs and the application in fluorinations. <i>Green Chemistry</i> , <b>2017</b> , 19, 2571-2575	10	46
207	Sustainable Alkylation of Nitriles with Alcohols by Manganese Catalysis. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 7927-7935	4.2	46
206	Eine additivarme photoredoxkatalysierte reduktive Kupplung von Aldehyden, Ketonen und Iminen mit sichtbarem Licht. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8952-8956	3.6	46
205	Asymmetric Brønsted acid-catalyzed nazarov cyclization of acyclic alkoxo dienones. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 2361-6	4.5	46
204	Asymmetric ion pair catalysis of 6π electrocyclizations: Brønsted acid catalyzed enantioselective synthesis of optically active 1,4-dihydropyridazines. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8008-11	16.4	46
203	Eine asymmetrische organokatalytische Domino-Michael-Aldol- Reaktion: enantioselektiver Zugang zu chiralen Cycloheptanonem, Tetrahydrochromenonen und polyfunktionalisierten Bicyclo[3.2.1]octanen. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 3754-3757	3.6	46
202	Manganese-Catalyzed C-H Functionalizations: Hydroarylations and Alkenylations Involving an Unexpected Heteroaryl Shift. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10067-10070	3.6	45
201	General and Efficient Organocatalytic Synthesis of Indoloquinolizidines, Pyridoquinazolines and Quinazolinones through a One-Pot Domino Michael Addition-Cyclization- Pictet-Spengler or 1,2-Amine Addition Reaction. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 2853-2859	5.6	45
200	Beta(2)/beta(3)-di- and alpha/beta(3)-tetrapeptide derivatives as potent agonists at somatostatin sst(4) receptors. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2003</b> , 367, 95-103	3.4	45
199	Sustainable Manganese-Catalyzed Solvent-Free Synthesis of Pyrroles from 1,4-Diols and Primary Amines. <i>Organic Letters</i> , <b>2019</b> , 21, 70-74	6.2	45
198	Metal-Free Catalytic Asymmetric Fluorination of Keto Esters Using a Combination of Hydrogen Fluoride (HF) and Oxidant: Experiment and Computation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 2582-2588	13.1	44
197	A combined continuous microflow photochemistry and asymmetric organocatalysis approach for the enantioselective synthesis of tetrahydroquinolines. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 2457-62	2.5	44
196	Design, synthesis and structural investigations of a beta-peptide forming a 314-helix stabilized by electrostatic interactions. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 1607-15	4.8	44
195	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5738-5746	16.4	44
194	Asymmetric Proline-Catalyzed Addition of Aldehydes to 3H-Indol-3-ones: Enantioselective Synthesis of 2,3-Dihydro-1H-indol-3-ones with Quaternary Stereogenic Centers. <i>Helvetica Chimica Acta</i> , <b>2012</b> , 95, 2296-2303	2	43
193	Direct catalytic azidation of allylic alcohols. <i>Organic Letters</i> , <b>2012</b> , 14, 768-71	6.2	43

192	Catalytic Asymmetric Piancatelli Rearrangement: Brønsted Acid Catalyzed 4π Electrocyclization for the Synthesis of Multisubstituted Cyclopentenones. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14126-14130	16.4	43
191	Experimental and computational study of the catalytic asymmetric 4π Electrocyclization of N-heterocycles. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2762-5	16.4	42
190	Cross-Coupling of Amides with Alkylboranes via Nickel-Catalyzed C-N Bond Cleavage. <i>Organic Letters</i> , <b>2018</b> , 20, 2976-2979	6.2	42
189	Asymmetric calcium catalysis: highly enantioselective carbonyl-ene and Friedel-Crafts reactions for the synthesis of quaternary β-hydroxy esters bearing a trifluoromethyl group. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1195-8	4.5	42
188	C-Alkylation of Secondary Alcohols by Primary Alcohols through Manganese-Catalyzed Double Hydrogen Autotransfer. <i>ChemSusChem</i> , <b>2019</b> , 12, 3099-3102	8.3	42
187	Dehydrogenative Aromatization and Sulfonation of Pyrrolidines: Orthogonal Reactivity in Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14787-14791	16.4	42
186	Manganese-Catalyzed Multicomponent Synthesis of Pyrroles through Acceptorless Dehydrogenation Hydrogen Autotransfer Catalysis: Experiment and Computation. <i>ChemSusChem</i> , <b>2019</b> , 12, 3083-3088	8.3	41
185	Size-Selective, Stabilizer-Free, Hydrogenolytic Synthesis of Iridium Nanoparticles Supported on Carbon Nanotubes. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2008-2010	9.6	40
184	Molecular dynamics simulations of small peptides: can one derive conformational preferences from ROESY spectra?. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 5838-49	4.8	40
183	Photoredox-Catalyzed Ketyl-Olefin Coupling for the Synthesis of Substituted Chromanols. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 6959-64	4.2	39
182	Synthesis of Amidines from Amides Using a Nickel-Catalyzed Decarbonylative Amination through CO Extrusion Intramolecular Recombination Fragment Coupling. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11771-11775	4.8	39
181	Efficient enantioselective synthesis of optically active Diols by asymmetric hydrogenation with modular chiral metal catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7556-9	16.4	39
180	Nickel-Catalyzed C-Heteroatom Cross-Coupling Reactions under Mild Conditions via Facilitated Reductive Elimination. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17810-17831	16.4	39
179	Nickel-catalyzed Suzuki-Miyaura cross-couplings of aldehydes. <i>Nature Communications</i> , <b>2019</b> , 10, 1957	17.4	38
178	Unifying metal- and organocatalysis for asymmetric oxidative iminium activation: a relay catalytic system enabling the combined allylic oxidation of alcohols and prolinol ether catalyzed iminium reactions. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 3649-53	4.8	38
177	Eine hoch enantioselektive Brønsted-Säure-katalysierte Reaktionskaskade. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5920-5922	3.6	38
176	Cross-Coupling of Sodium Sulfinates with Aryl, Heteroaryl, and Vinyl Halides by Nickel/Photoredox Dual Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1385-1389	3.6	38
175	Rhenium- and Manganese-Catalyzed Selective Alkenylation of Indoles. <i>ChemCatChem</i> , <b>2018</b> , 10, 2681-2685	3.5	37

174	Metallkatalysierte desalkoxylierende CAr-C-Kreuzkupplung $\Delta$ Austausch aromatischer Methoxygruppen von Arylethern unter Verwendung eines funktionalisierten Nukleophils. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13126-13129	3.6	37
173	Enantioselective Synthesis of Quinolizidines and Indolizidines via a Catalytic Asymmetric Hydrogenation Cascade. <i>Synlett</i> , <b>2011</b> , 2011, 1243-1246	2.2	37
172	Catalytic Ester to Stannane Functional Group Interconversion via Decarbonylative Cross-Coupling of Methyl Esters. <i>Organic Letters</i> , <b>2018</b> , 20, 385-388	6.2	36
171	C-H-Funktionalisierung von Phenolen durch kombinierte Ruthenium- und Photoredoxkatalyse mit sichtbarem Licht: In-situ-Erzeugung des Oxidationsmittels. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2843-2847	3.6	36
170	Effective synthesis of 2,5-disubstituted tetrahydrofurans from glycerol by catalytic alkylation of ketones. <i>Green Chemistry</i> , <b>2012</b> , 14, 55-57	10	36
169	An Efficient Metal-Catalyzed Hydroalkylation. <i>Synlett</i> , <b>2007</b> , 2007, 1391-1394	2.2	36
168	Pharmacokinetic investigation of a $^{14}\text{C}$ -labelled beta 3/alpha tetrapeptide in rats. <i>Chemistry and Biodiversity</i> , <b>2004</b> , 1, 1812-28	2.5	36
167	Selective and scalable synthesis of trifluoromethanesulfenamides and fluorinated unsymmetrical disulfides using a shelf-stable electrophilic $\text{SCF}_3$ reagent. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 17315-17318	4.8	35
166	Quinone-fused porphyrins as contrast agents for photoacoustic imaging. <i>Chemical Science</i> , <b>2017</b> , 8, 6176-6181	6.1	35
165	NMR-Structural Investigations of a $\beta$ -Dodecapeptide with Proteinogenic Side Chains in Methanol and in Aqueous Solutions. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 1197	2	35
164	Synthesis of $\beta$ -Hexa- and $\beta$ -Heptapeptides Containing Novel $\alpha,\beta$ -Amino Acids with Two Serine or Two Cysteine Side Chains [CD- and NMR-Spectroscopic Evidence for 314-Helical Secondary Structures in Water. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 2115-2140	2	35
163	Cooperative Metal-Ligand Catalyzed Intramolecular Hydroamination and Hydroalkoxylation of Allenes Using a Stable Iron Catalyst. <i>Organic Letters</i> , <b>2018</b> , 20, 696-699	6.2	34
162	Lewis-Säure-unterstützte metallkatalysierte Kreuzkupplung: Alkylierung von Arylmethylethern unter C-O-Bindungsspaltung ohne $\beta$ -Hydrideliminierung. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6198-6203	3.6	34
161	Nickel-Catalyzed Synthesis of Primary Aryl and Heteroaryl Amines via C-O Bond Cleavage. <i>Organic Letters</i> , <b>2017</b> , 19, 1788-1791	6.2	33
160	Catalytic Ester and Amide to Amine Interconversion: Nickel-Catalyzed Decarbonylative Amination of Esters and Amides by C=O and C-N Bond Activation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4346-4349	3.6	33
159	C-H and N-H bond annulation of aryl amides with unactivated olefins by merging cobalt(iii) and photoredox catalysis. <i>Chemical Communications</i> , <b>2019</b> , 55, 11626-11629	5.8	33
158	Mild and metal-free oxy- and amino-fluorination for the synthesis of fluorinated heterocycles. <i>Chemical Communications</i> , <b>2014</b> , 50, 13928-31	5.8	33
157	Iron catalysed cross-couplings of azetidines - application to the formal synthesis of a pharmacologically active molecule. <i>Chemical Communications</i> , <b>2015</b> , 51, 2111-3	5.8	33

156	Asymmetric Brønsted acid-catalyzed aza-Diels-Alder reaction of cyclic C-acylimines with cyclopentadiene. <i>Beilstein Journal of Organic Chemistry</i> , <b>2012</b> , 8, 1819-24	2.5	33
155	Anchorene is a carotenoid-derived regulatory metabolite required for anchor root formation in. <i>Science Advances</i> , <b>2019</b> , 5, eaaw6787	14.3	33
154	Gold-catalyzed asymmetric allylic substitution of free alcohols: an enantioselective approach to chiral chromans with quaternary stereocenters for the synthesis of vitamin E and analogues. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13913-7	4.8	32
153	NMR-Solution Structures in Methanol of an $\alpha$ -Heptapeptide, of a $\beta/\alpha$ -Nonapeptide, and of an all- $\beta$ -Icosapeptide Carrying the 20 Proteinogenic Side Chains. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 1969-1982		32
152	Decarbonylative Silylation of Esters by Combined Nickel and Copper Catalysis for the Synthesis of Arylsilanes and Heteroarylsilanes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11989-11992	3.6	32
151	Synthesis and CD Spectra of Fluoro- and Hydroxy-Substituted $\alpha$ -Peptides. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 1862-1870	2	31
150	Reduktive Umpolung von Carbonylderivaten mittels Photoredoxkatalyse mit sichtbarem Licht: ein direkter Zugang zu vicinalen Diaminen und Aminoalkoholen über $\alpha$ -Aminoradikale und Ketylradikale. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6888-6891	3.6	31
149	Electrochemical and Scalable Dehydrogenative C(sp <sup>3</sup> )-H Amination via Remote Hydrogen Atom Transfer in Batch and Continuous Flow. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7177-7184	4.8	29
148	Machine assisted reaction optimization: A self-optimizing reactor system for continuous-flow photochemical reactions. <i>Tetrahedron</i> , <b>2018</b> , 74, 3171-3175	2.4	29
147	Continuous flow photocyclization of stilbenes - scalable synthesis of functionalized phenanthrenes and helicenes. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 1883-90	2.5	29
146	Continuous-flow hydration-condensation reaction: Synthesis of $\alpha,\beta$ -unsaturated ketones from alkynes and aldehydes by using a heterogeneous solid acid catalyst. <i>Beilstein Journal of Organic Chemistry</i> , <b>2011</b> , 7, 1680-7	2.5	29
145	Merging Electrolysis and Nickel Catalysis in Redox Neutral Cross-Coupling Reactions: Experiment and Computation for Electrochemically Induced C $\beta$ and C $\beta$ e Bonds Formation. <i>CCS Chemistry</i> , <b>2020</b> , 2, 179-190	7.2	29
144	Cascade Cross-Coupling of Dienes: Photoredox and Nickel Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 457-464	16.4	29
143	Direct Cross-Coupling of Allylic C(sp <sup>3</sup> ) $\beta$ Bonds with Aryl- and Vinylbromides by Combined Nickel and Visible-Light Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10490-10494	3.6	28
142	Fluorine effects in organocatalysis - asymmetric Brønsted acid assisted Lewis base catalysis for the synthesis of trifluoromethylated heterocycles exploiting the negative hyperconjugation of the CF <sub>3</sub> -group. <i>Chemical Communications</i> , <b>2014</b> , 50, 7889-92	5.8	28
141	Kombinierte Eisen- und Biokatalyse [Eisencarbonylkomplexe als effiziente Wasserstoff-Autotransferkatalysatoren für die dynamische kinetische Racematspaltung. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13800-13803	3.6	27
140	Reversible Switching and Recycling of Adaptable Organic Microgel Catalysts (Microgelzymes) for Asymmetric Organocatalytic Desymmetrization. <i>ACS Catalysis</i> , <b>2018</b> , 8, 7991-7996	13.1	27
139	Asymmetric Magnesium-Catalyzed Hydroboration by Metal-Ligand Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17567-17571	16.4	27

- 138 NMR Structure in methanol of a hexapeptide with a disulfide clamp. *Chemical Communications*, **2000**, 2267-2268 5.8 27
- 137 Mechanistic Insight into the Photoredox-Nickel-HAT Triple Catalyzed Arylation and Alkylation of  $\beta$ -Amino C-H Bonds. *Journal of the American Chemical Society*, **2020**, 142, 16942-16952 16.4 27
- 136 Brønsted Base Assisted Photoredox Catalysis: Proton Coupled Electron Transfer for Remote C-C Bond Formation via Amidyl Radicals. *Chemistry - A European Journal*, **2018**, 24, 14054-14058 4.8 27
- 135 Selective Reductive Removal of Ester and Amide Groups from Arenes and Heteroarenes through Nickel-Catalyzed C=O and C=N Bond Activation. *Angewandte Chemie*, **2017**, 129, 4030-4034 3.6 26
- 134 Visible Light-Promoted Formation of C=C and C=C Bonds under Metal- and Photocatalyst-Free Conditions. *Synthesis*, **2019**, 51, 1243-1252 2.9 26
- 133 Brønsted-acid catalyzed condensation-Michael reaction-Pictet-Spengler cyclization-highly stereoselective synthesis of indoloquinolizidines. *RSC Advances*, **2011**, 1, 79 3.7 26
- 132 Efficient and General Continuous-Flow Hydroarylation and Hydroalkylation of Styrenes. *Advanced Synthesis and Catalysis*, **2010**, 352, 2961-2965 5.6 26
- 131 Asymmetric Chemoenzymatic Reductive Acylation of Ketones by a Combined Iron-Catalyzed Hydrogenation-Racemization and Enzymatic Resolution Cascade. *ChemSusChem*, **2017**, 10, 1664-1668 8.3 25
- 130 Chiral Brønsted Acids and Their Calcium Salts in Catalytic Asymmetric Mannich Reactions of Cyclic 1,3-Diketones. *Synlett*, **2011**, 2011, 323-326 2.2 25
- 129 Methanol as the Hydrogen Source in the Selective Transfer Hydrogenation of Alkynes Enabled by a Manganese Pincer Complex. *Organic Letters*, **2020**, 22, 6067-6071 6.2 25
- 128 Permeation through phospholipid bilayers, skin-cell penetration, plasma stability, and CD spectra of  $\beta$ -and  $\beta$ -ligoproline derivatives. *Chemistry and Biodiversity*, **2013**, 10, 1-38 2.5 24
- 127 Direct Catalytic Benzoylation of Hydroxycoumarin - Efficient Synthesis of Warfarin Derivatives and Analogues. *Synlett*, **2010**, 2010, 1549-1553 2.2 24
- 126 Experimental and Computational Study of an Unexpected Iron-Catalyzed Carboetherification by Cooperative Metal and Ligand Substrate Interaction and Proton Shuttling. *Angewandte Chemie - International Edition*, **2017**, 56, 14863-14867 16.4 23
- 125 Dual metal and Lewis base catalysis approach for asymmetric synthesis of dihydroquinolines and the  $\beta$ -arylation of aldehydes via N-acyliminium ions. *Chemical Communications*, **2015**, 51, 15788-91 5.8 23
- 124 Hydrogenation or Dehydrogenation of N-Containing Heterocycles Catalyzed by a Single Manganese Complex. *Organic Letters*, **2020**, 22, 3974-3978 6.2 23
- 123 Asymmetrische Brønsted-Säure-katalysierte Substitution von Diarylmethanolen mit Thiolen und Alkoholen zur Synthese von chiralen Thioethern und Ethern. *Angewandte Chemie*, **2016**, 128, 4882-4887 3.6 23
- 122 On the influence of charged side chains on the folding-unfolding equilibrium of beta-peptides: a molecular dynamics simulation study. *Chemistry - A European Journal*, **2005**, 11, 7276-93 4.8 23
- 121 On the Structure of Poly(3-hydroxybutanoic acid) in Solution and in Phospholipid Bilayers. Circular Dichroism and Fluorescence Spectroscopy with Oligo(3-hydroxybutanoic acid) Derivatives. *Macromolecules*, **2001**, 34, 7042-7048 5.5 23



120	Hydrogenation of CO <sub>2</sub> -Derived Carbonates and Polycarbonates to Methanol and Diols by Metalligand Cooperative Manganese Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13627-13631	3.6	22
119	Asymmetric Hydroboration of Heteroaryl Ketones by Aluminum Catalysis. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 19415-19423	16.4	22
118	On the Solution Structure of PHB: Preparation and NMR Analysis of Isotopically Labeled Oligo[(R)-3-hydroxybutanoic Acids] (OHBs). <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 1821-1845	2	22
117	Nickel-Catalyzed Decarbonylative Silylation, Borylation, and Amination of Arylamides via a Deamidative Reaction Pathway. <i>Synlett</i> , <b>2017</b> , 28, 2594-2598	2.2	21
116	Metal catalyzed cross-coupling of aryl and benzyl methyl sulfides: nickel catalyzed Caryl-Csp <sup>3</sup> and Csp <sup>3</sup> -Csp <sup>3</sup> bond formations. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 350-353	5.2	21
115	Asymmetric Organocatalysis and Photoredox Catalysis for the $\alpha$ -Functionalization of Tetrahydroisoquinolines. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 1277-1280	3.2	21
114	Reduction of Cyclic and Linear Organic Carbonates Using a Readily Available Magnesium Catalyst. <i>ACS Catalysis</i> , <b>2019</b> , 9, 11634-11639	13.1	21
113	Photoredox/Nickel Dual-Catalyzed Reductive Cross Coupling of Aryl Halides Using an Organic Reducing Agent. <i>Organic Letters</i> , <b>2020</b> , 22, 1611-1617	6.2	20
112	Asymmetric Ion Pair Catalysis of 6 $\pi$ Electrocyclizations: Brønsted Acid Catalyzed Enantioselective Synthesis of Optically Active 1,4-Dihydropyridazines. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8166-8169	3.6	20
111	Remote Trifluoromethylthiolation Enabled by Organophotocatalytic C-C Bond Cleavage. <i>Organic Letters</i> , <b>2020</b> , 22, 2579-2583	6.2	19
110	Regiodivergent Hydroborative Ring Opening of Epoxides via Selective C-O Bond Activation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 14286-14294	16.4	19
109	Catalytic C1 Alkylation with Methanol and Isotope-Labeled Methanol. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 785-789	3.6	19
108	Multiple Hydrogen-Bond Activation in Asymmetric Brønsted Acid Catalysis. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 7718-7723	4.8	18
107	Chemo- and Regioselective Magnesium-Catalyzed $\alpha$ -Alkenylation of Anilines. <i>Organic Letters</i> , <b>2019</b> , 21, 9153-9157	6.2	18
106	Oxidative Addition to Palladium(0) Made Easy through Photoexcited-State Metal Catalysis: Experiment and Computation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3450-3454	3.6	18
105	Chemoselective Luche-Type Reduction of $\alpha,\beta$ -Unsaturated Ketones by Magnesium Catalysis. <i>Organic Letters</i> , <b>2019</b> , 21, 8349-8352	6.2	17
104	Role of Ion-Pairs in Brønsted Acid Catalysis. <i>ACS Catalysis</i> , <b>2015</b> , 5, 6630-6633	13.1	17
103	Reductive coupling of imines with redox-active esters by visible light photoredox organocatalysis. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 602-608	5.2	17

102	Convergent Catalysis: Asymmetric Synthesis of Dihydroquinolines Using a Combined Metal Catalysis and Organocatalysis Approach. <i>ACS Catalysis</i> , <b>2014</b> , 4, 1021-1025	13.1	17
101	Asymmetrische Brønsted-Säure-katalysierte Cycloadditionen [Effiziente enantioselektive Synthese von Pyrazolidinen, Pyrazolinen und 1,3-Diaminen aus N-Acylhydrazonen und Alkenen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 13036-13040	3.6	17
100	Isotopically Labelled and Unlabelled [Peptides with Geminal Dimethyl Substitution in 2-Position of Each Residue: Synthesis and NMR Investigation in Solution and in the Solid State. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 2877-2917	2	17
99	Iridium-Catalyzed Enantioselective Hydroarylation of Alkenes through C-H bond Activation: Experiment and Computation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8308-8313	4.8	17
98	Nickel-Catalyzed Csp-Csp Bond Formation via C-F Bond Activation. <i>Organic Letters</i> , <b>2018</b> , 20, 5644-5647	6.2	17
97	Chemoselective Hydrogenation of Alkynes to (Z)-Alkenes Using an Air-Stable Base Metal Catalyst. <i>Organic Letters</i> , <b>2020</b> , 22, 5423-5428	6.2	16
96	Allylic C(sp)-H alkylation synergistic organo- and photoredox catalyzed radical addition to imines. <i>Chemical Science</i> , <b>2020</b> , 11, 4954-4959	9.4	16
95	Beta-depsipeptides--the effect of a missing and a weakened hydrogen bond on the stability of the beta-peptidic 3(14)-helix. <i>Chemical Communications</i> , <b>2002</b> , 1598-9	5.8	16
94	Bioprospecting of Novel Extremozymes From Prokaryotes-The Advent of Culture-Independent Methods. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 630013	5.7	16
93	Chemoselective Hydroboration of Propargylic Alcohols and Amines Using a Manganese(II) Catalyst. <i>Organic Letters</i> , <b>2020</b> , 22, 3765-3769	6.2	15
92	Efficient proline and prolinol ether mediated 3-component synthesis of 3- and 3,4-substituted chromenone derivatives. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 6201-10	3.9	15
91	On the Thermal Stability of [Peptides: A Two-Dimensional Vibrational Spectroscopy Study. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 3883-3894	2	15
90	Understanding High-Salt and Cold Adaptation of a Polyextremophilic Enzyme. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	15
89	Nickel-katalysierter Alkoxy-Alkyl-Austausch mit Alkylboranen mittels C-O-Aktivierung von Aryl- und Enolethern. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 15641-15645	3.6	15
88	Enhanced catalyst performance through compartmentalization exemplified by colloidal l-proline modified microgel catalysts. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 559, 76-87	9.3	15
87	Asymmetric Synthesis of Optically Active Spirocyclic Indoline Scaffolds through an Enantioselective Reduction of Indoles. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 798-801	4.8	14
86	Catalytic Asymmetric Piancatelli Rearrangement: Brønsted Acid Catalyzed [4]Electrocyclization for the Synthesis of Multisubstituted Cyclopentenones. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14332-14336	3.6	14
85	Magnesium-Catalyzed Stereoselective Hydrostannylation of Internal and Terminal Alkynes. <i>Organic Letters</i> , <b>2020</b> , 22, 1594-1598	6.2	14

84	The Dual Role of Benzophenone in Visible-Light/Nickel Photoredox-Catalyzed C <sub>H</sub> Arylations: Hydrogen-Atom Transfer and Energy Transfer. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3604-3608	3.6	14
83	Synthesis of unsymmetrical ketones by applying visible-light benzophenone/nickel dual catalysis for direct benzylic acylation. <i>Chemical Communications</i> , <b>2020</b> , 56, 6082-6085	5.8	14
82	Photoredox/rhodium catalysis in C <sub>H</sub> activation for the synthesis of nitrogen containing heterocycles. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 2319-2323	5.2	13
81	-Methylation and Trideuteromethylation of Amines via Magnesium-Catalyzed Reduction of Cyclic and Linear Carbamates. <i>Organic Letters</i> , <b>2020</b> , 22, 3209-3214	6.2	13
80	Tin-free visible light photoredox catalysed cyclisation of enamides as a mild procedure for the synthesis of $\beta$ -lactams. <i>Green Chemistry</i> , <b>2016</b> , 18, 4531-4535	10	13
79	Experimentelle und theoretische Untersuchungen zur katalytischen asymmetrischen 4 $\pi$ -Elektrocyclisierung von N-Heterocyclen. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2801-2804	3.6	13
78	The Deuterated "Magic Methyl" Group: A Guide to Site-Selective Trideuteromethyl Incorporation and Labeling by Using CD Reagents. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11751-11772	4.8	13
77	Trifluoromethylthiolation of Unsymmetrical $\beta$ -Iodane Derivatives: Additive-Free, Selective and Scalable Introduction of the SCF <sub>3</sub> Group. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 1091-1094	3.2	13
76	Identification and Experimental Characterization of an Extremophilic Brine Pool Alcohol Dehydrogenase from Single Amplified Genomes. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 161-170	4.9	13
75	Magnesium-Catalyzed Hydroboration of Terminal and Internal Alkynes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7099-7103	3.6	12
74	Crystal Structure and Active Site Engineering of a Halophilic $\beta$ -Carbonic Anhydrase. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 742	5.7	12
73	Nickel-Catalyzed Chain-Walking Cross-Electrophile Coupling of Alkyl and Aryl Halides and Olefin Hydroarylation Enabled by Electrochemical Reduction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6575-6581	3.6	12
72	Effiziente enantioselektive Synthese von optisch aktiven Diolen durch asymmetrische Hydrierung mittels modular aufgebauter chiraler Metallkatalysatoren. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 7693-7696	3.6	12
71	Nickel-Catalyzed Reductive Cross-Couplings: New Opportunities for Carbon-Carbon Bond Formations through Photochemistry and Electrochemistry. <i>CCS Chemistry</i> , 3005-3026	7.2	12
70	One-Pot Chemoenzymatic Conversion of Alkynes to Chiral Amines. <i>ACS Catalysis</i> , 12565-12569	13.1	12
69	Adaptive and automated system-optimization for heterogeneous flow-hydrogenation reactions. <i>Reaction Chemistry and Engineering</i> , <b>2019</b> , 4, 1486-1491	4.9	11
68	<b>2015</b> ,		11
67	Bismuth salts in catalytic alkylation reactions. <i>Topics in Current Chemistry</i> , <b>2012</b> , 311, 115-41		11

66	Asymmetric Brønsted Acid-catalyzed Intramolecular aza-Michael Reaction (Enantioselective Synthesis of Dihydroquinolinones. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2012</b> , 67, 1021-1029	1	11
65	Photoacoustic Imaging Probes Based on Tetrapyrroles and Related Compounds. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	10
64	Tuning Optical Properties of BODIPY Dyes by Pyrrole Conjugation for Photoacoustic Imaging. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902115	8.1	10
63	Nickel-Catalyzed Synthesis of Silanes from Silyl Ketones. <i>Organic Letters</i> , <b>2019</b> , 21, 9330-9333	6.2	10
62	Aldol reactions within the RNA world. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 1838-40	16.4	10
61	Chemoselective Hydrogenation of Nitroarenes Using an Air-Stable Base-Metal Catalyst. <i>Organic Letters</i> , <b>2021</b> , 23, 2742-2747	6.2	10
60	Engineering a Polyspecific Pyrrolysyl-tRNA Synthetase by a High Throughput FACS Screen. <i>Scientific Reports</i> , <b>2019</b> , 9, 11971	4.9	9
59	Manganese-Catalyzed Regioselective Dehydrogenative C- versus N-Alkylation Enabled by a Solvent Switch: Experiment and Computation. <i>Organic Letters</i> , <b>2020</b> , 22, 4222-4227	6.2	9
58	Catalytic Asymmetric Synthesis of Chromene Derivatives by Iminium Ion Catalysis. <i>ChemCatChem</i> , <b>2012</b> , 4, 987-992	5.2	9
57	Catalytic Wacker-type Oxidations Using Visible Light Photoredox Catalysis. <i>ChemCatChem</i> , <b>2019</b> , 11, 1889-1892	5.2	9
56	A polyextremophilic alcohol dehydrogenase from the Atlantis II Deep Red Sea brine pool. <i>FEBS Open Bio</i> , <b>2019</b> , 9, 194-205	2.7	9
55	Experimental and Computational Study of an Unexpected Iron-Catalyzed Carboetherification by Cooperative Metal and Ligand Substrate Interaction and Proton Shuttling. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15059-15063	3.6	8
54	Semiconductors as heterogeneous visible light photoredox catalysts in combined dual metal catalyzed C-H functionalizations. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 2635-2639	5.2	8
53	Photoacoustic Detection of Superoxide Using Oxoporphyrinogen and Porphyrin. <i>ACS Sensors</i> , <b>2019</b> , 4, 2001-2008	9.2	8
52	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5787-5795	3.6	8
51	Robust and Versatile Host Protein for the Design and Evaluation of Artificial Metal Centers. <i>ACS Catalysis</i> , <b>2019</b> , 9, 11371-11380	13.1	7
50	One Amine-3 Tasks: Reductive Coupling of Imines with Olefins in Batch and Flow. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 1363-1367	4.8	7
49	Nickel-Catalyzed C-Heteroatom Cross-Coupling Reactions under Mild Conditions via Facilitated Reductive Elimination. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17954-17975	3.6	7

48	Chiral induction from solvents <i>Tetrahedron</i> , <b>2006</b> , 62, 12420-12423	2.4	6
47	Hydride Transfer Enables the Nickel-Catalyzed ipso-Borylation and Silylation of Aldehydes. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 423-427	4.8	6
46	Redox-Neutral Cross-Coupling Amination with Weak Nucleophiles: Arylation of Anilines, Sulfonamides, Sulfoximines, Carbamates, and Imines via Nickel electrocatalysis. <i>Jacs Au</i> , <b>2021</b> , 1, 1057-1065		6
45	Nickel-catalyzed exo-selective hydroacylation/Suzuki cross-coupling reaction. <i>Chemical Communications</i> , <b>2019</b> , 55, 14984-14987	5.8	6
44	Unactivated Alkyl Chloride Reactivity in Excited-State Palladium Catalysis. <i>Organic Letters</i> , <b>2021</b> , 23, 6905-69106	5.6	6
43	Asymmetric Hydrogenation of Cyclic Imines and Enamines: Access to 1,5-Benzodiazepine Pharmacophores. <i>Synthesis</i> , <b>2016</b> , 49, 310-318	2.9	5
42	Asymmetric Magnesium-Catalyzed Hydroboration by Metal-Ligand Cooperative Catalysis. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17731-17735	3.6	5
41	Bioinspired desaturation of alcohols enabled by photoredox proton-coupled electron transfer and cobalt dual catalysis.. <i>Nature Communications</i> , <b>2022</b> , 13, 809	17.4	5
40	Dehydrogenative Aromatization and Sulfonylation of Pyrrolidines: Orthogonal Reactivity in Photoredox Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15003-15007	3.6	5
39	On the Structure of PHB (=Poly[(R)-3-hydroxybutanoic Acid]) in Phospholipid Bilayers: Preparation of Trifluoromethyl-Labeled Oligo[(R)-3-hydroxybutanoic Acid] Derivatives. <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 2473-2486	2	4
38	Exploring the Structure and Performance of Cd <sup>II</sup> Chalcogenide Photocatalysts in Selective Trifluoromethylation. <i>ACS Catalysis</i> , 14772-14780	13.1	4
37	Anchorene is an endogenous diapocarotenoid required for anchor root formation in Arabidopsis		4
36	Intramolecular Electrochemical Oxybromination of Olefins for the Synthesis of Isoxazolines in Batch and Continuous Flow. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 3496-3500	3.2	4
35	Chemo- and enantioselective hetero-coupling of hydroxycarbazoles catalyzed by a chiral vanadium(V) complex. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 4878-4885	5.2	4
34	Mechanistic insights into photochemical nickel-catalyzed cross-couplings enabled by energy transfer.. <i>Nature Communications</i> , <b>2022</b> , 13, 2737	17.4	4
33	Mo <sup>3+</sup> hydride as the common origin of H <sub>2</sub> evolution and selective NADH regeneration in molybdenum sulfide electrocatalysts. <i>Nature Catalysis</i> , <b>2022</b> , 5, 397-404	36.5	4
32	Photoacoustic Imaging: Tuning Optical Properties of BODIPY Dyes by Pyrrole Conjugation for Photoacoustic Imaging (Advanced Optical Materials 11/2020). <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2070046	8.1	3
31	Conversion of racemic alcohols to optically pure amine precursors enabled by catalyst dynamic kinetic resolution: experiment and computation. <i>Chemical Communications</i> , <b>2020</b> , 56, 9094-9097	5.8	3

30	Mechanistic Understanding of Arylation vs Alkylation of Aliphatic Csp <sup>3</sup> Bonds by Decarboxylative Nickel Catalysis. <i>ACS Catalysis</i> , 13973-13982	13.1	3
29	Air Stable Iridium Catalysts for Direct Reductive Amination of Ketones. <i>Chemistry - A European Journal</i> , 2021, 27, 5919-5922	4.8	3
28	Atropisomers of meso Tetra(N-Mesyl Pyrrol-2-yl) Porphyrins: Synthesis, Isolation and Characterization of All-Pyrrolic Porphyrins. <i>Chemistry - A European Journal</i> , 2020, 26, 4232-4235	4.8	2
27	Asymmetric Brønsted Acid Catalysis 2013, 49-53		2
26	Advances in allylic and benzylic C-H bond functionalization enabled by metallaphotoredox catalysis. <i>Chemical Communications</i> , 2021,	5.8	2
25	Cascade Cross-Coupling of Dienes: Photoredox and Nickel Dual Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 465-472	3.6	2
24	Genetically Encoded Biotin Analogues: Incorporation and Application in Bacterial and Mammalian Cells. <i>ChemBioChem</i> , 2019, 20, 1795-1798	3.8	1
23	Metathesis of Functionalized Alkane: Understanding the Unsolved Story. <i>Catalysts</i> , 2019, 9, 238	4	1
22	Organocatalytic Asymmetric Transfer Hydrogenation of (Hetero)Arenes 2016, 33-68		1
21	Frontispiece: Transition-Metal-Catalyzed Decarbonylative Coupling Reactions: Concepts, Classifications, and Applications. <i>Chemistry - A European Journal</i> , 2018, 24,	4.8	1
20	Electrophilic N-trifluoromethylthiophthalimide as a fluorinated reagent in the synthesis of acyl fluorides. <i>Organic Chemistry Frontiers</i> , 2022, 9, 342-346	5.2	1
19	Reactions of Imines 2015, 5-86		0
18	Bio-Inspired Transfer Hydrogenations 2011, 787-822		0
17	Novel Enzymes From the Red Sea Brine Pools: Current State and Potential. <i>Frontiers in Microbiology</i> , 2021, 12, 732856	5.7	0
16	Magnesium complexes in hydroelementation and reduction catalysis: Opportunities and challenges. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 32, 100526	7.9	0
15	Titelbild: Oxidative Addition to Palladium(0) Made Easy through Photoexcited-State Metal Catalysis: Experiment and Computation (Angew. Chem. 11/2019). <i>Angewandte Chemie</i> , 2019, 131, 3263-3263	3.6	0
14	Reactions of Generated Imine Intermediates 2015, 87-116		
13	Reactions of Carbonyls 2015, 117-144		

12 Reactions of Generated Carbonyl Intermediates **2015**, 145-160

11 Reactions of Alkenes **2015**, 161-182

10 Reactions of Other Substrates **2015**, 183-214

9 Appendix B: Overview of Phosphoric Acids (PA) **2015**, 217-220

8 Appendix C: Overview of N-Phosphoramidate Acids (NPA) **2015**, 221-222

7 Appendix D: Overview of SPINOL Phosphoric Acids (SPA) **2015**, 223-224

6 Appendix A: Catalyst Frequency **2015**, 215-216

5 Appendix E: Overview of All Other Brønsted Acids (BA) **2015**, 225-228

4 Selective and Scalable Synthesis of Trifluoromethanesulfenamides and Fluorinated Unsymmetrical Disulfides using a Shelf-Stable Electrophilic SCF Reagent. *Chemistry - A European Journal*, **2014**, 21, 3505<sup>4.8</sup>

3 Highlights from the 44th EUCHEM Conference on Stereochemistry, Bñgenstock, Switzerland, May 2009. *Chemical Communications*, **2009**, 6125-8 5.8

2 Imine Reduction and Reductive Amination **2007**, 161-181

1 Low-Temperature Direct Electrochemical Methanol Reforming Enabled by CO-Immune Mo-Based Hydrogen Evolution Catalysts. *Chemistry - A European Journal*, **2021**, 27, 8960-8965 4.8