

Magnus Rueping

List of Publications by Year in Descending Order

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

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	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
388	Bioinspired desaturation of alcohols enabled by photoredox proton-coupled electron transfer and cobalt dual catalysis.. <i>Nature Communications</i> , 2022 , 13, 809	17.4	5
387	Mechanistic insights into photochemical nickel-catalyzed cross-couplings enabled by energy transfer.. <i>Nature Communications</i> , 2022 , 13, 2737	17.4	4
386	Mo3+ hydride as the common origin of H2 evolution and selective NADH regeneration in molybdenum sulfide electrocatalysts. <i>Nature Catalysis</i> , 2022 , 5, 397-404	36.5	4
385	Advances in allylic and benzylic C-H bond functionalization enabled by metallaphotoredox catalysis. <i>Chemical Communications</i> , 2021 ,	5.8	2
384	Novel Enzymes From the Red Sea Brine Pools: Current State and Potential. <i>Frontiers in Microbiology</i> , 2021 , 12, 732856	5.7	0
383	Chemoselective Hydrogenation of Nitroarenes Using an Air-Stable Base-Metal Catalyst. <i>Organic Letters</i> , 2021 , 23, 2742-2747	6.2	10
382	Low-Temperature Direct Electrochemical Methanol Reforming Enabled by CO-Immune Mo-Based Hydrogen Evolution Catalysts. <i>Chemistry - A European Journal</i> , 2021 , 27, 8960-8965	4.8	
381	Redox-Neutral Cross-Coupling Amination with Weak Nucleophiles: Arylation of Anilines, Sulfonamides, Sulfoximines, Carbamates, and Imines via Nickelaelectrocatalysis. <i>Jacs Au</i> , 2021 , 1, 1057-1065		6
380	Intramolecular Electrochemical Oxybromination of Olefins for the Synthesis of Isoxazolines in Batch and Continuous Flow. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 3496-3500	3.2	4
379	The Deuterated "Magic Methyl" Group: A Guide to Site-Selective Trideuteromethyl Incorporation and Labeling by Using CD Reagents. <i>Chemistry - A European Journal</i> , 2021 , 27, 11751-11772	4.8	13
378	Nickel-Catalyzed C-Heteroatom Cross-Coupling Reactions under Mild Conditions via Facilitated Reductive Elimination. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17810-17831	16.4	39
377	Nickel-Catalyzed C-Heteroatom Cross-Coupling Reactions under Mild Conditions via Facilitated Reductive Elimination. <i>Angewandte Chemie</i> , 2021 , 133, 17954-17975	3.6	7
376	Chemo- and enantioselective hetero-coupling of hydroxycarbazoles catalyzed by a chiral vanadium(V) complex. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 4878-4885	5.2	4
375	Bioprospecting of Novel Extremozymes From Prokaryotes-The Advent of Culture-Independent Methods. <i>Frontiers in Microbiology</i> , 2021 , 12, 630013	5.7	16
374	Air Stable Iridium Catalysts for Direct Reductive Amination of Ketones. <i>Chemistry - A European Journal</i> , 2021 , 27, 5919-5922	4.8	3
373	Unactivated Alkyl Chloride Reactivity in Excited-State Palladium Catalysis. <i>Organic Letters</i> , 2021 , 23, 6905-69106		

372	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
371	Hydrogenation or Dehydrogenation of N-Containing Heterocycles Catalyzed by a Single Manganese Complex. <i>Organic Letters</i> , 2020 , 22, 3974-3978	6.2	23
370	Manganese-Catalyzed Regioselective Dehydrogenative C- versus N-Alkylation Enabled by a Solvent Switch: Experiment and Computation. <i>Organic Letters</i> , 2020 , 22, 4222-4227	6.2	9
369	Crystal Structure and Active Site Engineering of a Halophilic α -Carbonic Anhydrase. <i>Frontiers in Microbiology</i> , 2020 , 11, 742	5.7	12
368	Photoacoustic Imaging: Tuning Optical Properties of BODIPY Dyes by Pyrrole Conjugation for Photoacoustic Imaging (Advanced Optical Materials 11/2020). <i>Advanced Optical Materials</i> , 2020 , 8, 2070046	8.1	3
367	Remote Trifluoromethylthiolation Enabled by Organophotocatalytic C-C Bond Cleavage. <i>Organic Letters</i> , 2020 , 22, 2579-2583	6.2	19
366	α -Methylation and Trideuteromethylation of Amines via Magnesium-Catalyzed Reduction of Cyclic and Linear Carbamates. <i>Organic Letters</i> , 2020 , 22, 3209-3214	6.2	13
365	Recent advances in photoredox and nickel dual-catalyzed cascade reactions: pushing the boundaries of complexity. <i>Chemical Science</i> , 2020 , 11, 4051-4064	9.4	110
364	Chemoselective Hydroboration of Propargylic Alcohols and Amines Using a Manganese(II) Catalyst. <i>Organic Letters</i> , 2020 , 22, 3765-3769	6.2	15
363	Conversion of racemic alcohols to optically pure amine precursors enabled by catalyst dynamic kinetic resolution: experiment and computation. <i>Chemical Communications</i> , 2020 , 56, 9094-9097	5.8	3
362	Chemoselective Hydrogenation of Alkynes to α -Alkenes Using an Air-Stable Base Metal Catalyst. <i>Organic Letters</i> , 2020 , 22, 5423-5428	6.2	16
361	Nickel-Catalyzed Chain-Walking Cross-Electrophile Coupling of Alkyl and Aryl Halides and Olefin Hydroarylation Enabled by Electrochemical Reduction. <i>Angewandte Chemie</i> , 2020 , 132, 6575-6581	3.6	12
360	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
359	Reductive coupling of imines with redox-active esters by visible light photoredox organocatalysis. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 602-608	5.2	17
358	Photoredox/Nickel Dual-Catalyzed Reductive Cross Coupling of Aryl Halides Using an Organic Reducing Agent. <i>Organic Letters</i> , 2020 , 22, 1611-1617	6.2	20
357	Allylic C(sp) ³ -H alkylation synergistic organo- and photoredox catalyzed radical addition to imines. <i>Chemical Science</i> , 2020 , 11, 4954-4959	9.4	16
356	Photoacoustic Imaging Probes Based on Tetrapyrroles and Related Compounds. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
355	Tuning Optical Properties of BODIPY Dyes by Pyrrole Conjugation for Photoacoustic Imaging. <i>Advanced Optical Materials</i> , 2020 , 8, 1902115	8.1	10

354	Merging Electrolysis and Nickel Catalysis in Redox Neutral Cross-Coupling Reactions: Experiment and Computation for Electrochemically Induced C β and C δ Bonds Formation. <i>CCS Chemistry</i> , 2020 , 2, 179-190	7.2	29
353	Magnesium-Catalyzed Stereoselective Hydrostannylation of Internal and Terminal Alkynes. <i>Organic Letters</i> , 2020 , 22, 1594-1598	6.2	14
352	Remote Nickel-Catalyzed Cross-Coupling Arylation via Proton-Coupled Electron Transfer-Enabled C-C Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3532-3539	16.4	73
351	Hydride Transfer Enables the Nickel-Catalyzed ipso-Borylation and Silylation of Aldehydes. <i>Chemistry - A European Journal</i> , 2020 , 26, 423-427	4.8	6
350	Cascade Cross-Coupling of Dienes: Photoredox and Nickel Dual Catalysis. <i>Angewandte Chemie</i> , 2020 , 132, 465-472	3.6	2
349	Cascade Cross-Coupling of Dienes: Photoredox and Nickel Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 457-464	16.4	29
348	One Amine-3 Tasks: Reductive Coupling of Imines with Olefins in Batch and Flow. <i>Chemistry - A European Journal</i> , 2020 , 26, 1363-1367	4.8	7
347	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie</i> , 2020 , 132, 5787-5795	3.6	8
346	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5738-5746	16.4	44
345	Regiodivergent Hydroborative Ring Opening of Epoxides via Selective C-O Bond Activation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14286-14294	16.4	19
344	Solution processable metal-organic frameworks for mixed matrix membranes using porous liquids. <i>Nature Materials</i> , 2020 , 19, 1346-1353	27	78
343	Methanol as the Hydrogen Source in the Selective Transfer Hydrogenation of Alkynes Enabled by a Manganese Pincer Complex. <i>Organic Letters</i> , 2020 , 22, 6067-6071	6.2	25
342	Understanding High-Salt and Cold Adaptation of a Polyextremophilic Enzyme. <i>Microorganisms</i> , 2020 , 8,	4.9	15
341	Mechanistic Insight into the Photoredox-Nickel-HAT Triple Catalyzed Arylation and Alkylation of β -Amino C-H Bonds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16942-16952	16.4	27
340	Enhanced catalyst performance through compartmentalization exemplified by colloidal l-proline modified microgel catalysts. <i>Journal of Colloid and Interface Science</i> , 2020 , 559, 76-87	9.3	15
339	Iridium-Catalyzed Enantioselective Hydroarylation of Alkenes through C-H bond Activation: Experiment and Computation. <i>Chemistry - A European Journal</i> , 2020 , 26, 8308-8313	4.8	17
338	Synthesis of unsymmetrical ketones by applying visible-light benzophenone/nickel dual catalysis for direct benzylic acylation. <i>Chemical Communications</i> , 2020 , 56, 6082-6085	5.8	14
337	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> , 2020 , 59, 6513-6519	16.4	67

336	C-H and N-H bond annulation of aryl amides with unactivated olefins by merging cobalt(iii) and photoredox catalysis. <i>Chemical Communications</i> , 2019 , 55, 11626-11629	5.8	33
335	Engineering a Polyspecific Pyrrolysyl-tRNA Synthetase by a High Throughput FACS Screen. <i>Scientific Reports</i> , 2019 , 9, 11971	4.9	9
334	Chemoselective Luche-Type Reduction of β -Unsaturated Ketones by Magnesium Catalysis. <i>Organic Letters</i> , 2019 , 21, 8349-8352	6.2	17
333	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	36
332	Sustainable Alkylation of Nitriles with Alcohols by Manganese Catalysis. <i>Journal of Organic Chemistry</i> , 2019 , 84, 7927-7935	4.2	46
331	Semiconductors as heterogeneous visible light photoredox catalysts in combined dual metal catalyzed C-H functionalizations. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 2635-2639	5.2	8
330	Visible Light-Induced Excited-State Transition-Metal Catalysis. <i>Trends in Chemistry</i> , 2019 , 1, 510-523	14.8	74
329	Nickel-catalyzed Suzuki-Miyaura cross-couplings of aldehydes. <i>Nature Communications</i> , 2019 , 10, 1957	17.4	38
328	Genetically Encoded Biotin Analogues: Incorporation and Application in Bacterial and Mammalian Cells. <i>ChemBioChem</i> , 2019 , 20, 1795-1798	3.8	1
327	Nickel-catalyzed C-N bond activation: activated primary amines as alkylating reagents in reductive cross-coupling. <i>Chemical Science</i> , 2019 , 10, 4430-4435	9.4	81
326	Photoredox/rhodium catalysis in C-H activation for the synthesis of nitrogen containing heterocycles. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 2319-2323	5.2	13
325	Metathesis of Functionalized Alkane: Understanding the Unsolved Story. <i>Catalysts</i> , 2019 , 9, 238	4	1
324	Electrochemical and Scalable Dehydrogenative C(sp ³)-H Amination via Remote Hydrogen Atom Transfer in Batch and Continuous Flow. <i>Chemistry - A European Journal</i> , 2019 , 25, 7177-7184	4.8	29
323	Magnesium-Catalyzed Hydroboration of Terminal and Internal Alkynes. <i>Angewandte Chemie</i> , 2019 , 131, 7099-7103	3.6	12
322	Magnesium-Catalyzed Hydroboration of Terminal and Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7025-7029	16.4	56
321	Visible Light-Promoted Formation of C-H and C-C Bonds under Metal- and Photocatalyst-Free Conditions. <i>Synthesis</i> , 2019 , 51, 1243-1252	2.9	26
320	The Dual Role of Benzophenone in Visible-Light/Nickel Photoredox-Catalyzed C-H Arylations: Hydrogen-Atom Transfer and Energy Transfer. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3566-3570	16.4	81
319	Adaptive and automated system-optimization for heterogeneous flow-hydrogenation reactions. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 1486-1491	4.9	11

3 ¹⁸	A multicomponent synthesis of stereodefined olefins via nickel catalysis and single electron/triplet energy transfer. <i>Nature Catalysis</i> , 2019 , 2, 678-687	36.5	65
3 ¹⁷	Photoacoustic Detection of Superoxide Using Oxoporphyrinogen and Porphyrin. <i>ACS Sensors</i> , 2019 , 4, 2001-2008	9.2	8
3 ¹⁶	Asymmetric Magnesium-Catalyzed Hydroboration by Metal-Ligand Cooperative Catalysis. <i>Angewandte Chemie</i> , 2019 , 131, 17731-17735	3.6	5
3 ¹⁵	Asymmetric Hydroboration of Heteroaryl Ketones by Aluminum Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19415-19423	16.4	22
3 ¹⁴	Chemo- and Regioselective Magnesium-Catalyzed α -Alkenylation of Anilines. <i>Organic Letters</i> , 2019 , 21, 9153-9157	6.2	18
3 ¹³	Robust and Versatile Host Protein for the Design and Evaluation of Artificial Metal Centers. <i>ACS Catalysis</i> , 2019 , 9, 11371-11380	13.1	7
3 ¹²	Nickel-Catalyzed Synthesis of Silanes from Silyl Ketones. <i>Organic Letters</i> , 2019 , 21, 9330-9333	6.2	10
3 ¹¹	Asymmetric Magnesium-Catalyzed Hydroboration by Metal-Ligand Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17567-17571	16.4	27
3 ¹⁰	The Dual Role of Benzophenone in Visible-Light/Nickel Photoredox-Catalyzed C-H Arylations: Hydrogen-Atom Transfer and Energy Transfer. <i>Angewandte Chemie</i> , 2019 , 131, 3604-3608	3.6	14
3 ⁰⁹	Catalytic Wacker-type Oxidations Using Visible Light Photoredox Catalysis. <i>ChemCatChem</i> , 2019 , 11, 1889-1892	5.2	9
3 ⁰⁸	Reduction of Cyclic and Linear Organic Carbonates Using a Readily Available Magnesium Catalyst. <i>ACS Catalysis</i> , 2019 , 9, 11634-11639	13.1	21
3 ⁰⁷	A review of asymmetric synthetic organic electrochemistry and electrocatalysis: concepts, applications, recent developments and future directions. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 2710-2746	2.5	81
3 ⁰⁶	Anchorene is a carotenoid-derived regulatory metabolite required for anchor root formation in. <i>Science Advances</i> , 2019 , 5, eaaw6787	14.3	33
3 ⁰⁵	Nickel-catalyzed α -selective hydroacylation/Suzuki cross-coupling reaction. <i>Chemical Communications</i> , 2019 , 55, 14984-14987	5.8	6
3 ⁰⁴	Sustainable Manganese-Catalyzed Solvent-Free Synthesis of Pyrroles from 1,4-Diols and Primary Amines. <i>Organic Letters</i> , 2019 , 21, 70-74	6.2	45
3 ⁰³	Manganese-Catalyzed Multicomponent Synthesis of Pyrroles through Acceptorless Dehydrogenation Hydrogen Autotransfer Catalysis: Experiment and Computation. <i>ChemSusChem</i> , 2019 , 12, 3083-3088	8.3	41
3 ⁰²	Catalytic C1 Alkylation with Methanol and Isotope-Labeled Methanol. <i>Angewandte Chemie</i> , 2019 , 131, 785-789	3.6	19
3 ⁰¹	Catalytic C Alkylation with Methanol and Isotope-Labeled Methanol. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 775-779	16.4	69

300	A polyextremophilic alcohol dehydrogenase from the Atlantis II Deep Red Sea brine pool. <i>FEBS Open Bio</i> , 2019 , 9, 194-205	2.7	9
299	Oxidative Addition to Palladium(0) Made Easy through Photoexcited-State Metal Catalysis: Experiment and Computation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3412-3416	16.4	60
298	Oxidative Addition to Palladium(0) Made Easy through Photoexcited-State Metal Catalysis: Experiment and Computation. <i>Angewandte Chemie</i> , 2019 , 131, 3450-3454	3.6	18
297	C-Alkylation of Secondary Alcohols by Primary Alcohols through Manganese-Catalyzed Double Hydrogen Autotransfer. <i>ChemSusChem</i> , 2019 , 12, 3099-3102	8.3	42
296	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> , 2018 , 140, 3724-3735	16.4	114
295	Rhenium- and Manganese-Catalyzed Selective Alkenylation of Indoles. <i>ChemCatChem</i> , 2018 , 10, 2681-2685	3.5	37
294	Machine assisted reaction optimization: A self-optimizing reactor system for continuous-flow photochemical reactions. <i>Tetrahedron</i> , 2018 , 74, 3171-3175	2.4	29
293	Decarbonylative Cross-Couplings: Nickel Catalyzed Functional Group Interconversion Strategies for the Construction of Complex Organic Molecules. <i>Accounts of Chemical Research</i> , 2018 , 51, 1185-1195	24.3	129
292	Cross-Coupling of Sodium Sulfinates with Aryl, Heteroaryl, and Vinyl Halides by Nickel/Photoredox Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1371-1375	16.4	112
291	Cooperative Metal-Ligand Catalyzed Intramolecular Hydroamination and Hydroalkoxylation of Allenes Using a Stable Iron Catalyst. <i>Organic Letters</i> , 2018 , 20, 696-699	6.2	34
290	Metal-Free Catalytic Asymmetric Fluorination of Keto Esters Using a Combination of Hydrogen Fluoride (HF) and Oxidant: Experiment and Computation. <i>ACS Catalysis</i> , 2018 , 8, 2582-2588	13.1	44
289	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> , 2018 , 24, 3608-3612	4.8	57
288	Catalytic Ester to Stannane Functional Group Interconversion via Decarbonylative Cross-Coupling of Methyl Esters. <i>Organic Letters</i> , 2018 , 20, 385-388	6.2	36
287	Highly Chemo- and Stereoselective Transfer Semihydrogenation of Alkynes Catalyzed by a Stable, Well-Defined Manganese(II) Complex. <i>ACS Catalysis</i> , 2018 , 8, 4103-4109	13.1	64
286	Asymmetric Organocatalysis and Photoredox Catalysis for the α -Functionalization of Tetrahydroisoquinolines. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1277-1280	3.2	21
285	Reversible Switching and Recycling of Adaptable Organic Microgel Catalysts (Microgelzymes) for Asymmetric Organocatalytic Desymmetrization. <i>ACS Catalysis</i> , 2018 , 8, 7991-7996	13.1	27
284	Direct Cross-Coupling of Allylic C(sp) ³ -H Bonds with Aryl- and Vinylbromides by Combined Nickel and Visible-Light Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10333-10337	16.4	83
283	Room-Temperature C-H Bond Functionalization by Merging Cobalt and Photoredox Catalysis. <i>ACS Catalysis</i> , 2018 , 8, 8115-8120	13.1	89

282	Direct Cross-Coupling of Allylic C(sp ³) π Bonds with Aryl- and Vinylbromides by Combined Nickel and Visible-Light Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 10490-10494	3.6	28
281	Multiple Hydrogen-Bond Activation in Asymmetric Brønsted Acid Catalysis. <i>Chemistry - A European Journal</i> , 2018 , 24, 7718-7723	4.8	18
280	Manganese Catalyzed Regioselective C-H Alkylation: Experiment and Computation. <i>Organic Letters</i> , 2018 , 20, 3105-3108	6.2	47
279	Transition-Metal-Catalyzed Decarbonylative Coupling Reactions: Concepts, Classifications, and Applications. <i>Chemistry - A European Journal</i> , 2018 , 24, 7794-7809	4.8	76
278	Cross-Coupling of Amides with Alkylboranes via Nickel-Catalyzed C-N Bond Cleavage. <i>Organic Letters</i> , 2018 , 20, 2976-2979	6.2	42
277	Hydrogenation of CO ₂ -Derived Carbonates and Polycarbonates to Methanol and Diols by Metal-Ligand Cooperative Manganese Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 13627-13631	3.6	22
276	Hydrogenation of CO -Derived Carbonates and Polycarbonates to Methanol and Diols by Metal-Ligand Cooperative Manganese Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13439-13443	16.4	92
275	Frontispiece: Transition-Metal-Catalyzed Decarbonylative Coupling Reactions: Concepts, Classifications, and Applications. <i>Chemistry - A European Journal</i> , 2018 , 24,	4.8	1
274	Identification and Experimental Characterization of an Extremophilic Brine Pool Alcohol Dehydrogenase from Single Amplified Genomes. <i>ACS Chemical Biology</i> , 2018 , 13, 161-170	4.9	13
273	Cross-Coupling of Sodium Sulfinates with Aryl, Heteroaryl, and Vinyl Halides by Nickel/Photoredox Dual Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 1385-1389	3.6	38
272	Sustainable Alkylation of Unactivated Esters and Amides with Alcohols Enabled by Manganese Catalysis. <i>Organic Letters</i> , 2018 , 20, 7779-7783	6.2	48
271	Dehydrogenative Aromatization and Sulfonylation of Pyrrolidines: Orthogonal Reactivity in Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14787-14791	16.4	42
270	Dehydrogenative Aromatization and Sulfonylation of Pyrrolidines: Orthogonal Reactivity in Photoredox Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 15003-15007	3.6	5
269	Heterogeneous Visible-Light Photoredox Catalysis with Graphitic Carbon Nitride for α -Aminoalkyl Radical Additions, Allylations, and Heteroarylations. <i>ACS Catalysis</i> , 2018 , 8, 9471-9476	13.1	67
268	Nickel-Catalyzed Csp-Csp Bond Formation via C-F Bond Activation. <i>Organic Letters</i> , 2018 , 20, 5644-5647	6.2	17
267	Brønsted Base Assisted Photoredox Catalysis: Proton Coupled Electron Transfer for Remote C-C Bond Formation via Amidyl Radicals. <i>Chemistry - A European Journal</i> , 2018 , 24, 14054-14058	4.8	27
266	Asymmetric Chemoenzymatic Reductive Acylation of Ketones by a Combined Iron-Catalyzed Hydrogenation-Racemization and Enzymatic Resolution Cascade. <i>ChemSusChem</i> , 2017 , 10, 1664-1668	8.3	25
265	Metal-free reduction of the greenhouse gas sulfur hexafluoride, formation of SF ₅ containing ion pairs and the application in fluorinations. <i>Green Chemistry</i> , 2017 , 19, 2571-2575	10	46

264	Asymmetric Synthesis of Optically Active Spirocyclic Indoline Scaffolds through an Enantioselective Reduction of Indoles. <i>Chemistry - A European Journal</i> , 2017 , 23, 798-801	4.8	14
263	Amide to Alkyne Interconversion via a Nickel/Copper-Catalyzed Deamidative Cross-Coupling of Aryl and Alkenyl Amides. <i>Organic Letters</i> , 2017 , 19, 3091-3094	6.2	61
262	Manganese-Catalyzed C-H Functionalizations: Hydroarylations and Alkenylations Involving an Unexpected Heteroaryl Shift. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9935-9938	16.4	113
261	Nickel-Catalyzed C-D Bond-Cleaving Alkylation of Esters: Direct Replacement of the Ester Moiety by Functionalized Alkyl Chains. <i>ACS Catalysis</i> , 2017 , 7, 4491-4496	13.1	75
260	Blue light mediated C-H arylation of heteroarenes using TiO ₂ as an immobilized photocatalyst in a continuous-flow microreactor. <i>Green Chemistry</i> , 2017 , 19, 1911-1918	10	49
259	Nickel-Catalyzed Synthesis of Primary Aryl and Heteroaryl Amines via C-O Bond Cleavage. <i>Organic Letters</i> , 2017 , 19, 1788-1791	6.2	33
258	Catalytic Ester and Amide to Amine Interconversion: Nickel-Catalyzed Decarbonylative Amination of Esters and Amides by C-D and C-N Bond Activation. <i>Angewandte Chemie</i> , 2017 , 129, 4346-4349	3.6	33
257	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> , 2017 , 56, 4282-4285	16.4	126
256	Selective Reductive Removal of Ester and Amide Groups from Arenes and Heteroarenes through Nickel-Catalyzed C-D and C-N Bond Activation. <i>Angewandte Chemie</i> , 2017 , 129, 4030-4034	3.6	26
255	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> , 2017 , 56, 3972-3976	16.4	123
254	Experimental and Computational Study of an Unexpected Iron-Catalyzed Carboetherification by Cooperative Metal and Ligand Substrate Interaction and Proton Shuttling. <i>Angewandte Chemie</i> , 2017 , 129, 15059-15063	3.6	8
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211	Reactions of Generated Imine Intermediates 2015 , 87-116		

210 Reactions of Carbonyls **2015**, 117-144

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

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

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

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

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

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

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

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

193 **2015**, 11

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