

Matthias Beller

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.

647
papers

57,662
citations

124
h-index

213
g-index

707
ext. papers

64,538
ext. citations

10
avg, IF

8.28
L-index

#	Paper	IF	Citations
647	Scalable and selective deuteration of (hetero)arenes.. <i>Nature Chemistry</i> , 2022 ,	17.6	5
646	A Convenient and Stable Heterogeneous Nickel Catalyst for Hydrodehalogenation of Aryl Halides Using Molecular Hydrogen.. <i>ChemSusChem</i> , 2022 ,	8.3	1
645	A Convenient and Stable Heterogeneous Nickel Catalyst for Hydrodehalogenation of Aryl Halides Using Molecular Hydrogen.. <i>ChemSusChem</i> , 2022 , e202200248	8.3	0
644	A Universal Catalyst for aerobic oxidations to synthesize (hetero)aromatic aldehydes, ketones, esters, acids, nitriles, and amides. <i>Chem</i> , 2022 , 8, 508-531	16.2	4
643	Cobalt single-atom catalysts for domino reductive amination and amidation of levulinic acid and related molecules to N-heterocycles. <i>Chem Catalysis</i> , 2022 , 2, 178-178		3
642	Recent Developments for the Deuterium and Tritium Labeling of Organic Molecules.. <i>Chemical Reviews</i> , 2022 ,	68.1	20
641	Revisiting Reduction of CO to Oxalate with First-Row Transition Metals: Irreproducibility, Ambiguous Analysis, and Conflicting Reactivity.. <i>Jacs Au</i> , 2022 , 2, 731-744		1
640	Efficient iron single-atom catalysts for selective ammoxidation of alcohols to nitriles.. <i>Nature Communications</i> , 2022 , 13, 1848	17.4	11
639	Silica-supported Fe/FeO nanoparticles for the catalytic hydrogenation of nitriles to amines in the presence of aluminium additives. <i>Nature Catalysis</i> , 2022 , 5, 20-29	36.5	11
638	Reversible hydrogenation of carbon dioxide to formic acid using a Mn-pincer complex in the presence of lysine. <i>Nature Energy</i> , 2022 , 7, 438-447	62.3	9
637	Iridium-catalyzed Domino Hydroformylation/Hydrogenation of Olefins to Alcohols: Synergy of Two Ligands. <i>Chemistry - A European Journal</i> , 2021 ,	4.8	1
636	Reusable Co-nanoparticles for general and selective α -alkylation of amines and ammonia with alcohols.. <i>Chemical Science</i> , 2021 , 13, 111-117	9.4	5
635	A Selective and General Cobalt-Catalyzed Hydroaminomethylation of Olefins to Amines. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202112597	16.4	2
634	Single-Atom (Iron-Based) Catalysts: Synthesis and Applications. <i>Chemical Reviews</i> , 2021 , 121, 13620-13697	68.1	23
633	Novel chemotherapeutic agent FX-9 activates NF- κ B signaling and induces G1 phase arrest by activating CDKN1A in a human prostate cancer cell line. <i>BMC Cancer</i> , 2021 , 21, 1088	4.8	
632	A Unified Research Data Infrastructure for Catalysis Research [Challenges and Concepts. <i>ChemCatChem</i> , 2021 , 13, 3223-3236	5.2	9
631	Catalytic Formal Hydroamination of Allylic Alcohols Using Manganese PNP-Pincer Complexes. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 4177-4181	5.6	7

630	Efficient Palladium-Catalyzed Carbonylation of 1,3-Dienes: Selective Synthesis of Adipates and Other Aliphatic Diesters. <i>Angewandte Chemie</i> , 2021 , 133, 9613-9619	3.6	2
629	Site-Selective Real-Time Observation of Bimolecular Electron Transfer in a Photocatalytic System Using L-Edge X-Ray Absorption Spectroscopy*. <i>ChemPhysChem</i> , 2021 , 22, 693-700	3.2	3
628	Oxalate production via oxidation of ascorbate rather than reduction of carbon dioxide. <i>Nature Communications</i> , 2021 , 12, 1997	17.4	2
627	Cobalt-Catalyzed Hydroformylation under Mild Conditions in the Presence of Phosphine Oxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 5148-5154	8.3	8
626	3,3-Difluoroallyl ammonium salts: highly versatile, stable and selective gem-difluoroallylation reagents. <i>Nature Communications</i> , 2021 , 12, 3257	17.4	8
625	Highly Scalable Conversion of Blood Protoporphyrin to Efficient Electrocatalyst for CO ₂ -to-CO Conversion. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100067	4.6	2
624	Mechanisms of Coll and Acid Jointly Catalyzed Domino Conversion of CO ₂ , H ₂ , and CH ₃ OH to Dialkoxymethane: A DFT Study. <i>ACS Catalysis</i> , 2021 , 11, 6908-6919	13.1	2
623	Ambient Hydrogenation and Deuteration of Alkenes Using a Nanostructured Ni-Core-Shell Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18591-18598	16.4	8
622	Ambient Hydrogenation and Deuteration of Alkenes Using a Nanostructured Ni-CoreShell Catalyst. <i>Angewandte Chemie</i> , 2021 , 133, 18739-18746	3.6	3
621	Ruthenium-Catalyzed Deuteration of Aromatic Carbonyl Compounds with a Catalytic Transient Directing Group. <i>Chemistry - A European Journal</i> , 2021 , 27, 9720	4.8	
620	Ruthenium-Catalyzed Deuteration of Aromatic Carbonyl Compounds with a Catalytic Transient Directing Group. <i>Chemistry - A European Journal</i> , 2021 , 27, 9768-9773	4.8	7
619	Palladium-Catalyzed Domino Aminocarbonylation of Alkynols: Direct and Selective Synthesis of Itaconimides. <i>Jacs Au</i> , 2021 , 1, 1257-1265		3
618	Heteroleptic copper complexes with nitrogen and phosphorus ligands in photocatalysis: Overview and perspectives. <i>Chem Catalysis</i> , 2021 , 1, 298-338		4
617	Recent Advances in Catalytic Hydrosilylations: Developments beyond Traditional Platinum Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 550-565	16.4	50
616	Recent Advances in Catalytic Hydrosilylations: Developments beyond Traditional Platinum Catalysts. <i>Angewandte Chemie</i> , 2021 , 133, 558-573	3.6	9
615	A General and Highly Selective Palladium-Catalyzed Hydroamidation of 1,3-Diynes. <i>Angewandte Chemie</i> , 2021 , 133, 375-383	3.6	3
614	State-of-the-art palladium-catalyzed alkoxycarbonylations. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 799-811	5.2	11
613	A General and Highly Selective Palladium-Catalyzed Hydroamidation of 1,3-Diynes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 371-379	16.4	13

612	Ruthenium-catalysed hydroxycarbonylation of olefins. <i>Catalysis Science and Technology</i> , 2021 , 11, 2026-2030	3.9	2
611	Homogeneous and heterogeneous catalysts for hydrogenation of CO to methanol under mild conditions. <i>Chemical Society Reviews</i> , 2021 , 50, 4259-4298	58.5	46
610	Manganese-catalyzed selective C-H activation and deuteration by means of a catalytic transient directing group strategy. <i>Chemical Communications</i> , 2021 , 57, 1137-1140	5.8	10
609	Efficient methylation of anilines with methanol catalysed by cyclometalated ruthenium complexes. <i>Catalysis Science and Technology</i> , 2021 , 11, 2512-2517	5.5	9
608	A general strategy for the synthesis of α -trifluoromethyl- and α -perfluoroalkyl-lactams palladium-catalyzed carbonylation. <i>Chemical Science</i> , 2021 , 12, 10467-10473	9.4	7
607	An amino acid based system for CO capture and catalytic utilization to produce formates. <i>Chemical Science</i> , 2021 , 12, 6020-6024	9.4	14
606	Copper-catalysed low-temperature water-gas shift reaction for selective deuteration of aryl halides. <i>Chemical Science</i> , 2021 , 12, 14033-14038	9.4	3
605	A direct synthesis of carboxylic acids via platinum-catalysed hydroxycarbonylation of olefins. <i>Catalysis Science and Technology</i> , 2021 , 11, 2703-2707	5.5	1
604	Efficient Palladium-Catalyzed Carbonylation of 1,3-Dienes: Selective Synthesis of Adipates and Other Aliphatic Diesters. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9527-9533	16.4	11
603	From Mobile Phones to Catalysts: E-Waste-Derived Heterogeneous Copper Catalysts for Hydrogenation Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 10062-10072	8.3	3
602	Evaluation of combination protocols of the chemotherapeutic agent FX-9 with azacitidine, dichloroacetic acid, doxorubicin or carboplatin on prostate carcinoma cell lines. <i>PLoS ONE</i> , 2021 , 16, e0256468	3.7	1
601	Frontispiece: Ambient Hydrogenation and Deuteration of Alkenes Using a Nanostructured Ni-CoreShell Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021 , 60,	16.4	1
600	Synthesis of N-Heterocycles via Oxidant-Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25188-25202	16.4	20
599	Synthesis of N-Heterocycles via Oxidant-Free Dehydrocyclization of Alcohols Using Heterogeneous Catalysts. <i>Angewandte Chemie</i> , 2021 , 133, 25392	3.6	1
598	Aerobic iron-catalyzed site-selective C(sp ³)–C(sp ³) bond cleavage in N-heterocycles. <i>Catalysis Communications</i> , 2021 , 157, 106333	3.2	0
597	Palladium-Catalyzed Cascade Carbonylation to α -Unsaturated Piperidones via Selective Cleavage of Carbon-Carbon Triple Bonds. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22393-22400	16.4	5
596	Palladium-Catalyzed Cascade Carbonylation to α -Unsaturated Piperidones via Selective Cleavage of Carbon-Carbon Triple Bonds. <i>Angewandte Chemie</i> , 2021 , 133, 22567-22574	3.6	2
595	Ruthenium-catalysed domino hydroformylation–hydrogenation–esterification of olefins. <i>Catalysis Science and Technology</i> , 2021 , 11, 5777-5780	5.5	0

594	HCOOH disproportionation to MeOH promoted by molybdenum PNP complexes. <i>Chemical Science</i> , 2021 , 12, 13101-13119	9.4	3
593	Manganese(I) π -NN complex-catalyzed formic acid dehydrogenation. <i>Catalysis Science and Technology</i> , 2020 , 10, 3931-3937	5.5	8
592	Catalytic oxidations by dehydrogenation of alkanes, alcohols and amines with defined (non)-noble metal pincer complexes. <i>Catalysis Science and Technology</i> , 2020 , 10, 3825-3842	5.5	20
591	Cobalt Single-Atom Catalysts with High Stability for Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15849-15854	16.4	65
590	Cobalt Single-Atom Catalysts with High Stability for Selective Dehydrogenation of Formic Acid. <i>Angewandte Chemie</i> , 2020 , 132, 15983-15988	3.6	6
589	A General Catalyst Based on Cobalt Core-Shell Nanoparticles for the Hydrogenation of N-Heteroarenes Including Pyridines. <i>Angewandte Chemie</i> , 2020 , 132, 17561-17565	3.6	2
588	A General Catalyst Based on Cobalt Core-Shell Nanoparticles for the Hydrogenation of N-Heteroarenes Including Pyridines. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17408-17412	16.4	22
587	Ligand-Controlled Palladium-Catalyzed Carbonylation of Alkynols: Highly Selective Synthesis of β -Methylene- γ -Lactones. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21585-21590	16.4	9
586	Ligand-Controlled Palladium-Catalyzed Carbonylation of Alkynols: Highly Selective Synthesis of β -Methylene- γ -Lactones. <i>Angewandte Chemie</i> , 2020 , 132, 21769-21774	3.6	4
585	Synthesis of Molybdenum Pincer Complexes and Their Application in the Catalytic Hydrogenation of Nitriles. <i>ChemCatChem</i> , 2020 , 12, 4543-4549	5.2	10
584	Transferring photocatalytic CO ₂ reduction mediated by Cu(N [^] N)(P [^] P) ⁺ complexes from organic solvents into ionic liquid media. <i>Green Chemistry</i> , 2020 , 22, 4541-4549	10	6
583	Iron/N-doped graphene nano-structured catalysts for general cyclopropanation of olefins. <i>Chemical Science</i> , 2020 , 11, 6217-6221	9.4	6
582	Reductive amination using cobalt-based nanoparticles for synthesis of amines. <i>Nature Protocols</i> , 2020 , 15, 1313-1337	18.8	24
581	A General Regioselective Synthesis of Alcohols by Cobalt-Catalyzed Hydrogenation of Epoxides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11321-11324	16.4	12
580	Ruthenium-Catalyzed Site-Selective Trifluoromethylations and (Per)Fluoroalkylations of Anilines and Indoles. <i>Chemistry - A European Journal</i> , 2020 , 26, 6784-6788	4.8	8
579	A general platinum-catalyzed alkoxycarbonylation of olefins. <i>Chemical Communications</i> , 2020 , 56, 5235-5238	5.5	12
578	Synthesis of β -unsaturated carbonyl compounds by carbonylation reactions. <i>Chemical Society Reviews</i> , 2020 , 49, 3187-3210	58.5	59
577	Convenient synthesis of cobalt nanoparticles for the hydrogenation of quinolines in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 4820-4826	5.5	8

576	Homogeneous cobalt-catalyzed deoxygenative hydrogenation of amides to amines. <i>Catalysis Science and Technology</i> , 2020 , 10, 6116-6128	5.5	8
575	Formic Acid Dehydrogenation by a Cyclometalated β -CNN Ruthenium Complex. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1293-1299	2.3	4
574	Ultra-small cobalt nanoparticles from molecularly-defined Co-salen complexes for catalytic synthesis of amines. <i>Chemical Science</i> , 2020 , 11, 2973-2981	9.4	21
573	Application of Crabtree/Pfaltz-Type Iridium Complexes for the Catalyzed Asymmetric Hydrogenation of an Agrochemical Building Block. <i>Organic Process Research and Development</i> , 2020 , 24, 443-447	3.9	7
572	Tailored Palladium Catalysts for Selective Synthesis of Conjugated Enynes by Monocarbonylation of 1,3-Diynes. <i>Angewandte Chemie</i> , 2020 , 132, 9117-9125	3.6	10
571	Selective Acceptorless Dehydrogenation of Primary Amines to Imines by Core-Shell Cobalt Nanoparticles. <i>Angewandte Chemie</i> , 2020 , 132, 7571-7577	3.6	5
570	Selective Acceptorless Dehydrogenation of Primary Amines to Imines by Core-Shell Cobalt Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7501-7507	16.4	19
569	Cyclometalated Ruthenium Pincer Complexes as Catalysts for the α -Alkylation of Ketones with Alcohols. <i>Chemistry - A European Journal</i> , 2020 , 26, 6050-6055	4.8	13
568	Palladium-Catalyzed Alkoxy carbonylation of sec-Benzylic Ethers. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 932-936	3.2	3
567	Towards a practical perfluoroalkylation of (hetero)arenes with perfluoroalkyl bromides using cobalt nanocatalysts. <i>Catalysis Science and Technology</i> , 2020 , 10, 1731-1738	5.5	5
566	Hydrogen production from formic acid catalyzed by a phosphine free manganese complex: investigation and mechanistic insights. <i>Green Chemistry</i> , 2020 , 22, 913-920	10	31
565	A General Regioselective Synthesis of Alcohols by Cobalt-Catalyzed Hydrogenation of Epoxides. <i>Angewandte Chemie</i> , 2020 , 132, 11417-11420	3.6	5
564	A State-of-the-Art Heterogeneous Catalyst for Efficient and General Nitrile Hydrogenation. <i>Chemistry - A European Journal</i> , 2020 , 26, 15589-15595	4.8	9
563	Addressing the Reproducibility of Photocatalytic Carbon Dioxide Reduction. <i>ChemCatChem</i> , 2020 , 12, 1528-1528	5.2	
562	Chemoselective semihydrogenation of alkynes catalyzed by manganese(I)-PNP pincer complexes. <i>Catalysis Science and Technology</i> , 2020 , 10, 3994-4001	5.5	21
561	General and selective synthesis of primary amines using Ni-based homogeneous catalysts. <i>Chemical Science</i> , 2020 , 11, 4332-4339	9.4	10
560	Addressing the Reproducibility of Photocatalytic Carbon Dioxide Reduction. <i>ChemCatChem</i> , 2020 , 12, 1603-1608	5.2	6
559	Homogeneous Cobalt-Catalysed Hydrogenation Reactions 2020 , 25-66		2

558	Development of a practical non-noble metal catalyst for hydrogenation of N-heteroarenes. <i>Nature Catalysis</i> , 2020 , 3, 135-142	36.5	55
557	Versatile Fluorinated Building Blocks by Stereoselective (Per)fluoroalkenylation of Ketones. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 70-81	3.2	5
556	Palladium-catalyzed carbonylations of highly substituted olefins using CO-surrogates. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 3681-3685	5.2	3
555	Selective nickel-catalyzed fluoroalkylations of olefins. <i>Chemical Communications</i> , 2020 , 56, 15157-15160	5.8	6
554	Direct and Selective Synthesis of Adipic and Other Dicarboxylic Acids by Palladium-Catalyzed Carbonylation of Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20394-20398	16.4	13
553	Cascade Synthesis of Pyrroles from Nitroarenes with Benign Reductants Using a Heterogeneous Cobalt Catalyst. <i>Angewandte Chemie</i> , 2020 , 132, 18838-18844	3.6	3
552	Direct and Selective Synthesis of Adipic and Other Dicarboxylic Acids by Palladium-Catalyzed Carbonylation of Allylic Alcohols. <i>Angewandte Chemie</i> , 2020 , 132, 20574-20578	3.6	6
551	Cascade Synthesis of Pyrroles from Nitroarenes with Benign Reductants Using a Heterogeneous Cobalt Catalyst. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18679-18685	16.4	10
550	Catalytic reductive aminations using molecular hydrogen for synthesis of different kinds of amines. <i>Chemical Society Reviews</i> , 2020 , 49, 6273-6328	58.5	84
549	Homogeneous and heterogeneous catalytic reduction of amides and related compounds using molecular hydrogen. <i>Nature Communications</i> , 2020 , 11, 3893	17.4	54
548	Efficient Palladium-Catalyzed Synthesis of 2-Aryl Propionic Acids. <i>Molecules</i> , 2020 , 25,	4.8	1
547	Facile Synthesis of Iron-Titanate Nanocomposite as a Sustainable Material for Selective Amination of Substituted Nitro-Arenes. <i>Catalysts</i> , 2020 , 10, 871	4	0
546	The role of allyl ammonium salts in palladium-catalyzed cascade reactions towards the synthesis of spiro-fused heterocycles. <i>Nature Communications</i> , 2020 , 11, 5383	17.4	6
545	Tuning the Selectivity of Palladium Catalysts for Hydroformylation and Semihydrogenation of Alkynes: Experimental and Mechanistic Studies. <i>ACS Catalysis</i> , 2020 , 10, 12167-12181	13.1	17
544	Tailored Palladium Catalysts for Selective Synthesis of Conjugated Enynes by Monocarbonylation of 1,3-Diynes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9032-9040	16.4	24
543	Biomolecule-derived supported cobalt nanoparticles for hydrogenation of industrial olefins, natural oils and more in water. <i>Green Chemistry</i> , 2019 , 21, 5104-5112	10	6
542	Additive-Free Nickel-Catalyzed Debenzylation Reactions via Hydrogenative C ₁ D and C ₁ N Bond Cleavage. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17107-17113	8.3	6
541	Molecularly Defined Manganese Catalyst for Low-Temperature Hydrogenation of Carbon Monoxide to Methanol. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16923-16929	16.4	36

540	Monodisperse nickel-nanoparticles for stereo- and chemoselective hydrogenation of alkynes to alkenes. <i>Journal of Catalysis</i> , 2019 , 370, 372-377	7.3	17
539	Manganese Catalyzed Asymmetric Transfer Hydrogenation of Ketones Using Chiral Oxamide Ligands. <i>Synlett</i> , 2019 , 30, 503-507	2.2	26
538	Superior activity and selectivity of heterogenized cobalt catalysts for hydrogenation of nitroarenes. <i>Catalysis Science and Technology</i> , 2019 , 9, 157-162	5.5	22
537	Practical Catalytic Cleavage of C(sp ³)-C(sp ²) Bonds in Amines. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10693-10697	16.4	18
536	Stereoselective Synthesis of Highly Substituted Conjugated Dienes via Pd-Catalyzed Carbonylation of 1,3-Diynes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10683-10687	16.4	30
535	Biological approaches to artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019 , 215, 66-83	3.6	
534	Demonstrator devices for artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019 , 215, 345-363	3.6	1
533	Synthetic approaches to artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019 , 215, 242-281	3.6	4
532	Iron-catalysed regioselective hydrogenation of terminal epoxides to alcohols under mild conditions. <i>Nature Catalysis</i> , 2019 , 2, 523-528	36.5	23
531	Additive-free cobalt-catalysed hydrogenation of carbonates to methanol and alcohols. <i>Catalysis Science and Technology</i> , 2019 , 9, 3548-3553	5.5	11
530	Dye activation of heterogeneous Copper(II)-Species for visible light driven hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 28409-28420	6.7	2
529	A general and practical Ni-catalyzed C-H perfluoroalkylation of (hetero)arenes. <i>Chemical Communications</i> , 2019 , 55, 6723-6726	5.8	13
528	Pd-catalyzed synthesis of α -unsaturated ketones by carbonylation of vinyl triflates and nonaflates. <i>Chemical Communications</i> , 2019 , 55, 5938-5941	5.8	5
527	Pd-Catalyzed Carbonylation of Vinyl Triflates To Afford α -Unsaturated Aldehydes, Esters, and Amides under Mild Conditions. <i>Organic Letters</i> , 2019 , 21, 3528-3532	6.2	9
526	Iron-PNP-Pincer-Catalyzed Transfer Dehydrogenation of Secondary Alcohols. <i>ChemSusChem</i> , 2019 , 12, 2988-2993	8.3	8
525	Nickel-Catalyzed Stereodivergent Synthesis of E- and Z-Alkenes by Hydrogenation of Alkynes. <i>ChemSusChem</i> , 2019 , 12, 3363-3369	8.3	38
524	Role of endoplasmic reticulum stress and protein misfolding in disorders of the liver and pancreas. <i>Advances in Medical Sciences</i> , 2019 , 64, 315-323	2.8	25
523	General and Chemoselective Copper Oxide Catalysts for Hydrogenation Reactions. <i>ACS Catalysis</i> , 2019 , 9, 4302-4307	13.1	32

522	Developing Bicatlytic Cascade Reactions: Ruthenium-catalyzed Hydrogen Generation From Methanol. <i>Chemistry - A European Journal</i> , 2019 , 25, 9345-9349	4.8	9
521	Cobalt pincer complexes for catalytic reduction of nitriles to primary amines. <i>Catalysis Science and Technology</i> , 2019 , 9, 1779-1783	5.5	26
520	Cobalt-Catalyzed Aqueous Dehydrogenation of Formic Acid. <i>Chemistry - A European Journal</i> , 2019 , 25, 8459-8464	4.8	29
519	Heterogeneous nickel-catalysed reversible, acceptorless dehydrogenation of N-heterocycles for hydrogen storage. <i>Chemical Communications</i> , 2019 , 55, 4969-4972	5.8	30
518	Palladium-Catalyzed Methylation of Nitroarenes with Methanol. <i>Angewandte Chemie</i> , 2019 , 131, 5471-5475	3.75	9
517	Palladium-Catalyzed Methylation of Nitroarenes with Methanol. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5417-5421	16.4	39
516	Pd-Catalyzed Selective Carbonylation of gem-Difluoroalkenes: A Practical Synthesis of Difluoromethylated Esters. <i>Angewandte Chemie</i> , 2019 , 131, 4738-4742	3.6	11
515	Enantioselective Hydrogenation of Ketones using Different Metal Complexes with a Chiral PNP Pincer Ligand. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 1913-1920	5.6	28
514	Synthesis of Carboxylic Acids by Palladium-Catalyzed Hydroxycarbonylation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14365-14373	16.4	38
513	Synthesis of Carboxylic Acids by Palladium-Catalyzed Hydroxycarbonylation. <i>Angewandte Chemie</i> , 2019 , 131, 14503-14511	3.6	13
512	Cobalt-Nanoparticles Catalyzed Efficient and Selective Hydrogenation of Aromatic Hydrocarbons. <i>ACS Catalysis</i> , 2019 , 9, 8581-8591	13.1	21
511	Stereoselective Synthesis of Highly Substituted Conjugated Dienes via Pd-Catalyzed Carbonylation of 1,3-Diynes. <i>Angewandte Chemie</i> , 2019 , 131, 10793-10797	3.6	12
510	Spiers Memorial Lecture. Artificial photosynthesis: An introduction. <i>Faraday Discussions</i> , 2019 , 215, 9-14	3.6	2
509	IronPNP-Pincer-Catalyzed Transfer Dehydrogenation of Secondary Alcohols. <i>ChemSusChem</i> , 2019 , 12, 2833-2833	8.3	
508	Practical Catalytic Cleavage of C(sp ³)C(sp ³) Bonds in Amines. <i>Angewandte Chemie</i> , 2019 , 131, 10803-10807	3.07	5
507	Isoquinolinamine FX-9 Exhibits Anti-Mitotic Activity in Human and Canine Prostate Carcinoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3
506	Improved Bimetallic CobaltManganese Catalysts for Selective Oxidative Cleavage of Morpholine Derivatives. <i>ACS Catalysis</i> , 2019 , 9, 11125-11129	13.1	7
505	Novel Isoquinolinamine and Isoindoloquinazolinone Compounds Exhibit Antiproliferative Activity in Acute Lymphoblastic Leukemia Cells. <i>Biomolecules and Therapeutics</i> , 2019 , 27, 492-501	4.2	6

504	Introduction: First Row Metals and Catalysis. <i>Chemical Reviews</i> , 2019 , 119, 2089	68.1	31
503	Pd-Catalyzed Selective Carbonylation of gem-Difluoroalkenes: A Practical Synthesis of Difluoromethylated Esters. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4690-4694	16.4	33
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