Walter Leitner

List of Publications by Year
in descending order

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Version: 2024-02-01

436 papers	27,940 citations	6254 80 h-index	8396 147 g-index
563 all docs	563 docs citations	563 times ranked	17755 citing authors

#	ARTICLE	IF	CITATIONS
1	Auto-tandem catalytic reductive hydroformylation with continuous multiphase catalyst recycling. Catalysis Science and Technology, 2022, 12, 728-736.	4.1	8
2	Turning CO/CO₂-containing industrial process gas into valuable building blocks for the polyurethane industry. Reaction Chemistry and Engineering, 2022, 7, 580-589.	3.7	7
3	Bimetallic MxRu100â^'x nanoparticles (MÂ=ÂFe, Co) on supported ionic liquid phases (MxRu100â^'x@SILP) as hydrogenation catalysts: Influence of M and M:Ru ratio on activity and selectivity. Journal of Catalysis, 2022, 407, 141-148.	6.2	5
4	Measuring Droplet Sizes Generated by 3D-Printed Stirrers in a Lean Gasâ€"Liquidâ€"Liquid System Using Borescopy. Industrial & Engineering Chemistry Research, 2022, 61, 2701-2713.	3.7	3
5	<i>Operando</i>monitoring of mechanisms and deactivation of molecular catalysts. Green Chemistry, 2022, 24, 1951-1972.	9.0	13
6	Selective hydrodeoxygenation of acetophenone derivatives using a Fe₂₅Ru₇₅@SILP catalyst: a practical approach to the synthesis of alkyl phenols and anilines. Green Chemistry, 2022, 24, 2937-2945.	9.0	11
7	Electrocatalytic Semihydrogenation of Alkynes with [Ni(bpy)₃]²⁺. Jacs Au, 2022, 2, 573-578.	7.9	18
8	Semi-Crystalline Polyoxymethylene-co-Polyoxyalkylene Multi-Block Telechels as Building Blocks for Polyurethane Applications. Polymers, 2022, 14, 882.	4.5	3
9	Factors Governing the Catalytic Insertion of CO₂ into Arenes â€" A DFT Case Study for Pd and Pt Phosphane Sulfonamido Complexes. Chemistry - A European Journal, 2022, 28, .	3.3	4
10	Auto-Tandem Catalytic Reductive Hydroformylation in a CO₂-Switchable Solvent System. ACS Sustainable Chemistry and Engineering, 2022, 10, 3749-3756.	6.7	8
11	<i>If sustainability is the goal, green chemistry will show the way!</i> â€" happy birthday to Paul Anastas. Green Chemistry, 2022, 24, 3374-3375.	9.0	0
12	Catalyst Recycling in the Reactive Distillation of Primary Alcohols to Olefins Using a Phosphoric Acid Catalyst. ACS Sustainable Chemistry and Engineering, 2022, 10, 5922-5931.	6.7	1
13	Direct Conversion of Syngas to Higher Alcohols via Tandem Integration of Fischerâ€"Tropsch Synthesis and Reductive Hydroformylation. Angewandte Chemie, 2022, 134, .	2.0	5
14	Direct Conversion of Syngas to Higher Alcohols via Tandem Integration of Fischerâ€"Tropsch Synthesis and Reductive Hydroformylation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
15	Electrocatalysis with Molecular Transition-Metal Complexes for Reductive Organic Synthesis. Jacs Au, 2022, 2, 1266-1289.	7.9	24
16	Effect of Liquidâ€"Liquid Interfacial Area on Biphasic Catalysis Exemplified by Hydroformylation. ACS Catalysis, 2022, 12, 7850-7861.	11.2	9
17	Lignocellulose Fractionation Using Recyclable Phosphoric Acid: Lignin, Cellulose, and Furfural Production. ChemSusChem, 2021, 14, 909-916.	6.8	20
18	Carbon monoxide and hydrogen (syngas) as a C1-building block for selective catalytic methylation. Chemical Science, 2021, 12, 976-982.	7.4	23

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19	Synthetic ferripyrophyllite: preparation, characterization and catalytic application. Dalton Transactions, 2021, 50, 850-857.	3.3	3
20	Concluding remarks: Carbon dioxide utilization: where are we now?â€¦ and where are we going?. Faraday Discussions, 2021, 230, 413-426.	3.2	6
21	Selective lignin fractionation using CO₂-expanded 2-methyltetrahydrofuran (2-MTHF). Green Chemistry, 2021, 23, 6330-6336.	9.0	6
22	Alcohol-Assisted Hydrogenation of Carbon Monoxide to Methanol Using Molecular Manganese Catalysts. Jacs Au, 2021, 1, 130-136.	7.9	30
23	Metal Nanoparticles Immobilized on Molecularly Modified Surfaces: Versatile Catalytic Systems for Controlled Hydrogenation and Hydrogenolysis. Accounts of Chemical Research, 2021, 54, 2144-2157.	15.6	45
24	Hydrogenation of CO₂ to Methanol with Mnâ€‘PNPâ€‘Pincer Complexes in the Presence of Lewis Acids: the Formate Resting State Unleashed. ChemCatChem, 2021, 13, 3319-3323.	3.7	23
25	Reduction of Carboxylic Acids to Alcohols via Manganese(I) Catalyzed Hydrosilylation. Jacs Au, 2021, 1, 742-749.	7.9	28
26	Selectivity control in hydrogenation through adaptive catalysis using ruthenium nanoparticles on a CO2-responsive support. Nature Chemistry, 2021, 13, 916-922.	13.6	33
27	Green Process Design for Reductive Hydroformylation of Renewable Olefin Cuts for Dropâ€in Diesel Fuels. ChemSusChem, 2021, 14, 5226-5234.	6.8	13
28	Reductive hydroformylation with a selective and highly active rhodium amine system. Journal of Catalysis, 2021, 400, 234-243.	6.2	22
29	Rh NPs Immobilized on Phosphonium-based Supported Ionic Liquid Phases (Rh@SILPs) as Hydrogenation Catalysts. Chimia, 2021, 75, 724.	0.6	2
30	Acceptorless Dehydrogenation of Methanol to Carbon Monoxide and Hydrogen using Molecular Catalysts. Angewandte Chemie - International Edition, 2021, 60, 26500-26505.	13.8	13
31	Transition Metal Complexes as Catalysts for the Electroconversion of CO₂: An Organometallic Perspective. Angewandte Chemie - International Edition, 2021, 60, 11628-11686.	13.8	154
32	Ãœbergangsmetallkomplexe als Katalysatoren fÃ¼r die elektrische Umwandlung von CO₂ â€“ eine metallorganische Perspektive. Angewandte Chemie, 2021, 133, 11732-11792.	2.0	24
33	Organometallic Synthesis of Bimetallic Cobaltâ€Rhodium Nanoparticles in Supported Ionic Liquid Phases (Co<i>_x</i>Rh_{100âˆ’}<i>_x</i>@SILP) as Catalysts for the Selective Hydrogenation of Multifunctional Aromatic Substrates. Small, 2021, 17, e2006683.	10.0	19
34	Commercial Cu2Cr2O5 Decorated with Iron Carbide Nanoparticles as Multifunctional Catalyst for Magnetically Induced Continuous Flow Hydrogenation of Aromatic Ketones. Angewandte Chemie, 2021, 133, 26843.	2.0	2
35	Commercial Cu₂Cr₂O₅Decorated with Iron Carbide Nanoparticles as a Multifunctional Catalyst for Magnetically Induced Continuousâ€Flow Hydrogenation of Aromatic Ketones. Angewandte Chemie - International Edition, 2021, 60, 26639-26646.	13.8	19
36	Cobalt-Catalyzed Hydrosilylation of Carbon Dioxide to the Formic Acid, Formaldehyde, and Methanol Levelâ€”How to Control the Catalytic Network?. Jacs Au, 2021, 1, 2058-2069.	7.9	29

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37	Systematic Variation of 3d Metal Centers in a Redox-Innocent Ligand Environment: Structures, Electrochemical Properties, and Carbon Dioxide Activation. Inorganic Chemistry, 2021, , .	4.0	5
38	Bio-energy conversion with carbon capture and utilization (BECCU): integrated biomass fermentation and chemo-catalytic CO2 hydrogenation for bioethanol and formic acid co-production. Green Chemistry, 2021, 23, 9860-9864.	9.0	7
39	Manganese(I)â€Catalyzed Î²â€Methylation of Alcohols Using Methanol as C 1 Source. Angewandte Chemie, 2020, 132, 221-226.	2.0	15
40	Manganese(I)â€Catalyzed Î²â€Methylation of Alcohols Using Methanol as C₁ Source. Angewandte Chemie - International Edition, 2020, 59, 215-220.	13.8	95
41	On the Mechanism of the Rutheniumâ€catalyzed <i>Î²</i>â€methylation of Alcohols with Methanol. ChemCatChem, 2020, 12, 781-787.	3.7	31
42	Process development for separation of lignin from OrganoCat lignocellulose fractionation using antisolvent precipitation. Separation and Purification Technology, 2020, 236, 116295.	7.9	17
43	A Proton-Responsive Annulated Mesoionic Carbene (MIC) Scaffold on Ir Complex for Proton/Hydride Shuttle: An Experimental and Computational Investigation on Reductive Amination of Aldehyde. Organometallics, 2020, 39, 3849-3863.	2.3	14
44	Selective hydrodeoxygenation of hydroxyacetophenones to ethyl-substituted phenol derivatives using a FeRu@SILP catalyst. Chemical Communications, 2020, 56, 9509-9512.	4.1	16
45	Selective hydrogenation of fluorinated arenes using rhodium nanoparticles on molecularly modified silica. Catalysis Science and Technology, 2020, 10, 8120-8126.	4.1	8
46	Reversible Insertion of Carbon Dioxide at Phosphine Sulfonamido Pd^{II}â€"Aryl Complexes. Organometallics, 2020, 39, 4465-4473.	2.3	5
47	Molecular Control of the Catalytic Properties of Rhodium Nanoparticles in Supported Ionic Liquid Phase (SILP) Systems. ACS Catalysis, 2020, 10, 13904-13912.	11.2	22
48	Ruthenium-Catalyzed Selective Hydro<i>boronolysis</i> of Ethers. ACS Catalysis, 2020, 10, 14390-14397.	11.2	16
49	Lignin Precipitation and Fractionation from OrganoCat Pulping to Obtain Lignin with Different Sizes and Chemical Composition. Molecules, 2020, 25, 3330.	3.8	5
50	A green route to polyurethanes: oxidative carbonylation of industrially relevant aromatic diamines by CO2-based methyl formate. Green Chemistry, 2020, 22, 8260-8270.	9.0	7
51	In situ CO 2 valorization: Chemocatalysis meets biocatalysis. Chemie-Ingenieur-Technik, 2020, 92, 1272-1272.	0.8	0
52	Innentitelbild: Controlling the Product Platform of Carbon Dioxide Reduction: Adaptive Catalytic Hydrosilylation of CO₂ Using a Molecular Cobalt(II) Triazine Complex (Angew. Chem.) Tj ETQq0 0 0 rg BT /Overlock 10 Tf 50	2.0	0
53	Carbon2Polymer: A CO 2 â€based Route to Polyurethanes via Oxidative Carbonylation of TDA with Methyl Formate. Chemie-Ingenieur-Technik, 2020, 92, 1482-1488.	0.8	3
54	Inâ€situ measurement of interfacial areas in the biphasic hydroformylation of longâ€chain olefins. Chemie-Ingenieur-Technik, 2020, 92, 1367-1368.	0.8	0

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55	Multiscale analysis of lignocellulose recalcitrance towards OrganoCat pretreatment and fractionation. Biotechnology for Biofuels, 2020, 13, 155.	6.2	17
56	Recycling of two molecular catalysts in the hydroformylation/aldol condensation tandem reaction using one multiphase system. Green Chemistry, 2020, 22, 8444-8451.	9.0	8
57	Selective Hydrogenation and Hydrodeoxygenation of Aromatic Ketones to Cyclohexane Derivatives Using a Rh@SILP Catalyst. Angewandte Chemie - International Edition, 2020, 59, 11977-11983.	13.8	48
58	Selective Hydrogenation and Hydrodeoxygenation of Aromatic Ketones to Cyclohexane Derivatives Using a Rh@SILP Catalyst. Angewandte Chemie, 2020, 132, 12075-12081.	2.0	5
59	One-pot dual catalysis for the hydrogenation of heteroarenes and arenes. Catalysis Science and Technology, 2020, 10, 5163-5170.	4.1	24
60	From Scientists to Scientistsâ€"Moving <i>Angewandte</i> into the Future. Angewandte Chemie - International Edition, 2020, 59, 12548-12549.	13.8	15
61	Warum wir uns mit Powerâ€toâ€X beschÃftigen. Chemie-Ingenieur-Technik, 2020, 92, 3-3.	0.8	3
62	An overview of the biphasic dehydration of sugars to 5-hydroxymethylfurfural and furfural: a rational selection of solvents using COSMO-RS and selection guides. Green Chemistry, 2020, 22, 2097-2128.	9.0	140
63	Designing for a green chemistry future. Science, 2020, 367, 397-400.	12.6	645
64	Selective Hydrogenation of Benzofurans Using Ruthenium Nanoparticles in Lewis Acid-Modified Ruthenium-Supported Ionic Liquid Phases. ACS Catalysis, 2020, 10, 2124-2130.	11.2	44
65	Effect of Ligand Electronics on the Reversible Catalytic Hydrogenation of CO₂ to Formic Acid Using Ruthenium Polyhydride Complexes: A Thermodynamic and Kinetic Study. ACS Catalysis, 2020, 10, 2990-2998.	11.2	21
66	Hydroamination of Aromatic Alkynes to Imines Catalyzed by Pd(II)â€"Anthraphos Complexes. ACS Omega, 2020, 5, 8912-8918.	3.5	6
67	Controlling the Product Platform of Carbon Dioxide Reduction: Adaptive Catalytic Hydrosilylation of CO 2 Using a Molecular Cobalt(II) Triazine Complex. Angewandte Chemie, 2020, 132, 15804-15811.	2.0	10
68	Controlling the Product Platform of Carbon Dioxide Reduction: Adaptive Catalytic Hydrosilylation of CO₂ Using a Molecular Cobalt(II) Triazine Complex. Angewandte Chemie - International Edition, 2020, 59, 15674-15681.	13.8	47
69	Systematic ligand variation to modulate the electrochemical properties of iron and manganese complexes. Dalton Transactions, 2019, 48, 13205-13211.	3.3	8
70	Direct Synthesis of Cycloalkanes from Diols and Secondary Alcohols or Ketones Using a Homogeneous Manganese Catalyst. Journal of the American Chemical Society, 2019, 141, 17487-17492.	13.7	75
71	OrganoCat Fractionation of Empty Fruit Bunches from Palm Trees into Lignin, Sugars, and Cellulose-Enriched Pulp. ACS Omega, 2019, 4, 14451-14457.	3.5	12
72	Depolymerization of Laccase-Oxidized Lignin in Aqueous Alkaline Solution at 37 Â°C. ACS Sustainable Chemistry and Engineering, 2019, 7, 11150-11156.	6.7	25

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73	Ruthenium(II)â€Catalyzed <i>Î²</i>â€Methylation of Alcohols using Methanol as C₁ Source. ChemCatChem, 2019, 11, 5287-5291.	3.7	48
74	Intensified reactors for gas-liquid-liquid multiphase catalysis: From chemistry to engineering. Chemical Engineering Journal, 2019, 372, 917-939.	12.7	50
75	Catalytic Hydrogenolysis of Substituted Diaryl Ethers by Using Ruthenium Nanoparticles on an Acidic Supported Ionic Liquid Phase (Ru@SILP-SO3H). Synlett, 2019, 30, 405-412.	1.8	16
76	CO2 as a Building Block for the Catalytic Synthesis of Carboxylic Acids. Studies in Surface Science and Catalysis, 2019, 178, 105-124.	1.5	14
77	Hydrosilylation of carbonyl and carboxyl groups catalysed by Mn(<scp>i</scp>) complexes bearing triazole ligands. Catalysis Science and Technology, 2019, 9, 6370-6378.	4.1	33
78	Tailor-made biofuel 2-butyltetrahydrofuran from the continuous flow hydrogenation and deoxygenation of furfuralacetone. Green Chemistry, 2019, 21, 6299-6306.	9.0	15
79	Methylformate from CO2: an integrated process combining catalytic hydrogenation and reactive distillation. Green Chemistry, 2019, 21, 6307-6317.	9.0	20
80	The Telomerization of 1,3â€Dienes â€" A Reaction Grows Up. ChemCatChem, 2019, 11, 1153-1166.	3.7	36
81	Toward Water-Based Recycling Techniques: Methodologies for Homogeneous Catalyst Recycling in Liquid/Liquid Multiphase Media and Their Implementation in Continuous Processes. Industrial & Engineering Chemistry Research, 2019, 58, 2421-2436.	3.7	24
82	Rhâ€Catalyzed Hydrogenation of CO₂ to Formic Acid in DMSOâ€based Reaction Media: Solved and Unsolved Challenges for Process Development. Advanced Synthesis and Catalysis, 2019, 361, 307-316.	4.3	28
83	Cleaner production of cleaner fuels: wind-to-wheel â€" environmental assessment of CO₂-based oxymethylene ether as a drop-in fuel. Energy and Environmental Science, 2018, 11, 331-343.	30.8	195
84	Continuous Flow Asymmetric Hydrogenation with Supported Ionic Liquid Phase Catalysts Using Modified CO₂ as the Mobile Phase: from Model Substrate to an Active Pharmaceutical Ingredient. ACS Catalysis, 2018, 8, 3297-3303.	11.2	35
85	Experimental and Theoretical Mechanistic Investigation on the Catalytic CO₂ Hydrogenation to Formate by a Carboxylate-Functionalized Bis(<i>N</i>-heterocyclic carbene) Zwitterionic Iridium(I) Compound. Organometallics, 2018, 37, 684-696.	2.3	25
86	Sustainable Conversion of Carbon Dioxide: An Integrated Review of Catalysis and Life Cycle Assessment. Chemical Reviews, 2018, 118, 434-504.	47.7	1,571
87	Rhâ€Catalyzed Hydrogenation of CO 2 to Formic Acid in DMSOâ€Based Reaction Media. Advanced Synthesis and Catalysis, 2018, 361, 219.	4.3	1
88	Catalytic Processes Combining CO2 and Alkenes into Value-Added Chemicals. Topics in Organometallic Chemistry, 2018, , 17-38.	0.7	3
89	Reaction pathways at the initial steps of trioxane polymerisation. Catalysis Science and Technology, 2018, 8, 5594-5603.	4.1	9
90	From beech wood to itaconic acid: case study on biorefinery process integration. Biotechnology for Biofuels, 2018, 11, 279.	6.2	52

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91	Manganese-catalyzed hydroboration of carbon dioxide and other challenging carbonyl groups. Nature Communications, 2018, 9, 4521.	12.8	104
92	Aminotriazole Mn(I) Complexes as Effective Catalysts for Transfer Hydrogenation of Ketones. ChemCatChem, 2018, 10, 4514-4518.	3.7	50
93	Homogeneously Catalyzed Synthesis of (Higher) Alcohols (C1â€“C4) from the Combination ofÂCO₂/CO/H₂. Chemie-Ingenieur-Technik, 2018, 90, 1476-1488.	0.8	10
94	Isocyanurate formation during rigid polyurethane foam assembly: a mechanistic study based on <i>in situ</i> IR and NMR spectroscopy. Polymer Chemistry, 2018, 9, 4891-4899.	3.9	23
95	Catalytic Hydrogenation of Cyclic Carbonates using Manganese Complexes. Angewandte Chemie, 2018, 130, 13637-13641.	2.0	40
96	Bimetallic Nanoparticles in Supported Ionic Liquid Phases as Multifunctional Catalysts for the Selective Hydrodeoxygenation of Aromatic Substrates. Angewandte Chemie, 2018, 130, 12903-12908.	2.0	13
97	Bimetallic Nanoparticles in Supported Ionic Liquid Phases as Multifunctional Catalysts for the Selective Hydrodeoxygenation of Aromatic Substrates. Angewandte Chemie - International Edition, 2018, 57, 12721-12726.	13.8	61
98	Oneâ€Step Lignocellulose Fractionation by using 2,5â€Furandicarboxylic Acid as a Biogenic and Recyclable Catalyst. ChemSusChem, 2018, 11, 2051-2056.	6.8	32
99	Kaolin: A Natural Low-Cost Material as Catalyst for Isomerization of Glucose to Fructose. ACS Sustainable Chemistry and Engineering, 2018, 6, 8782-8789.	6.7	22
100	Double Dehydrogenation of Primary Amines to Nitriles by a Ruthenium Complex Featuring Pyrazole Functionality. Journal of the American Chemical Society, 2018, 140, 8662-8666.	13.7	80
101	Carbon2Polymer â€“ Chemical Utilization of CO₂ in the Production of Isocyanates. Chemie-Ingenieur-Technik, 2018, 90, 1504-1512.	0.8	20
102	Catalytic Hydrogenation of Cyclic Carbonates using Manganese Complexes. Angewandte Chemie - International Edition, 2018, 57, 13449-13453.	13.8	105
103	GÃ¼nther Wilke (1925â€“2016). Angewandte Chemie - International Edition, 2017, 56, 2837-2838.	13.8	0
104	Aqueous Biphasic Systems for the Synthesis of Formates by Catalytic CO₂ Hydrogenation: Integrated Reaction and Catalyst Separation for CO₂â€Scrubbing Solutions. ChemSusChem, 2017, 10, 1085-1093.	6.8	63
105	Catalytic NH₃ Synthesis using N₂/H₂ at Molecular Transition Metal Complexes: Concepts for Lead Structure Determination using Computational Chemistry. Chemistry - A European Journal, 2017, 23, 11992-12003.	3.3	35
106	Concerning the Role of Supercritical Carbon Dioxide in S_N1 Reactions. Chemistry - A European Journal, 2017, 23, 3898-3902.	3.3	5
107	Advanced Biofuels and Beyond: Chemistry Solutions for Propulsion and Production. Angewandte Chemie - International Edition, 2017, 56, 5412-5452.	13.8	224
108	Interaction of formaldehyde with a water-tolerant frustrated Lewis pair. Chemical Communications, 2017, 53, 3205-3208.	4.1	16

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109	Synthese, motorische Verbrennung, Emissionen: Chemische Aspekte des Kraftstoffdesigns. Angewandte Chemie, 2017, 129, 5500-5544.	2.0	43
110	Harvesting renewable energy with chemistry. Green Chemistry, 2017, 19, 2307-2308.	9.0	26
111	Titelbild: Synthese, motorische Verbrennung, Emissionen: Chemische Aspekte des Kraftstoffdesigns (Angew. Chem. 20/2017). Angewandte Chemie, 2017, 129, 5457-5457.	2.0	0
112	Multi-step biocatalytic depolymerization of lignin. Applied Microbiology and Biotechnology, 2017, 101, 6277-6287.	3.6	51
113	On the applicability of density functional theory to manganeseâ€based complexes with catalytic activity toward water oxidation. Journal of Computational Chemistry, 2017, 38, 1747-1751.	3.3	3
114	Insights into cell wall structure of Sida hermaphrodita and its influence on recalcitrance. Carbohydrate Polymers, 2017, 168, 94-102.	10.2	21
115	Highly Selective Hydrogenation of R-(+)-Limonene to (+)-<i>p-</i>1-Menthene in Batch and Continuous Flow Reactors. ACS Sustainable Chemistry and Engineering, 2017, 5, 3762-3767.	6.7	20
116	Preparation of SBA-15 supported Pt/Pd bimetallic catalysts using supercritical fluid reactive deposition: how do solvent effects during material synthesis affect catalytic properties?. Green Chemistry, 2017, 19, 977-986.	9.0	39
117	Green Chemistry in 2017. Green Chemistry, 2017, 19, 15-17.	9.0	8
118	Continuous-flow hydrogenation of 4-phenylpyridine to 4-phenylpiperidine with integrated product isolation using a CO₂ switchable system. Journal of Flow Chemistry, 2017, 7, 41-45.	1.9	8
119	Frontispiece: Catalytic NH₃ Synthesis using N₂/H₂ at Molecular Transition Metal Complexes: Concepts for Lead Structure Determination using Computational Chemistry. Chemistry - A European Journal, 2017, 23, .	3.3	1
120	Bidentate Phosphineâ€"Phosphoramidite Ligands of the BettiPhos Family for Rhâ€Catalyzed Asymmetric Hydrogenation. European Journal of Organic Chemistry, 2017, 2017, 4111-4116.	2.4	7
121	OrganoCat pretreatment of perennial plants: Synergies between a biogenic fractionation and valuable feedstocks. Bioresource Technology, 2017, 244, 889-896.	9.6	28
122	Liquid/liquid extraction of biomass-derived lignin from lignocellulosic pretreatments. Green Chemistry, 2017, 19, 93-97.	9.0	29
123	A DFT Study on the Coâ€polymerization of CO₂ and Ethylene: Feasibility Analysis for the Direct Synthesis of Polyethylene Esters. ChemSusChem, 2016, 9, 1614-1622.	6.8	20
124	Titelbild: Selektive katalytische Synthesen mit Kohlendioxid und Wasserstoff: Katalyseâ€Schach an der Nahtstelle zwischen Energie und Chemie (Angew. Chem. 26/2016). Angewandte Chemie, 2016, 128, 7385-7385.	2.0	0
125	Selective Catalytic Synthesis Using the Combination of Carbon Dioxide and Hydrogen: Catalytic Chess at the Interface of Energy and Chemistry. Angewandte Chemie - International Edition, 2016, 55, 7296-7343.	13.8	686
126	Tailorâ€Made Rutheniumâ€Triphos Catalysts for the Selective Homogeneous Hydrogenation of Lactams. Angewandte Chemie - International Edition, 2016, 55, 1392-1395.	13.8	69

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127	Selektive katalytische Synthesen mit Kohlendioxid und Wasserstoff: Katalyseâ€Schach an der Nahtstelle zwischen Energie und Chemie. Angewandte Chemie, 2016, 128, 7416-7467.	2.0	160
128	Unprecedented Carbonato Intermediates in Cyclic Carbonate Synthesis Catalysed by Bimetallic Aluminium(Salen) Complexes. ChemSusChem, 2016, 9, 791-794.	6.8	74
129	Nanoparticulate TiO₂â€Supported Double Metal Cyanide Catalyst for the Copolymerization of CO₂ with Propylene Oxide. European Journal of Inorganic Chemistry, 2016, 2016, 1944-1949.	2.0	26
130	Transparente Filme aus CO 2 â€basierten polyungesÃttigten Polyethercarbonaten: eine neue Synthesestrategie und schnelle Vernetzung. Angewandte Chemie, 2016, 128, 5681-5686.	2.0	3
131	Tailorâ€Made Rutheniumâ€Triphos Catalysts for the Selective Homogeneous Hydrogenation of Lactams. Angewandte Chemie, 2016, 128, 1414-1417.	2.0	25
132	Diastereoselective Synthesis of an Industrially Relevant 4-Aminopentanoic Acid by Asymmetric Catalytic Hydrogenation in a BiphasicÂ-System Using Aqueous Sodium Hydroxide as Substrate Phase. Synthesis, 2016, 49, 353-357.	2.3	3
133	Selective Synthesis of Trimethylamine by Catalytic <i>N</i>â€Methylation of Ammonia and Ammonium Chloride by utilizing Carbon Dioxide and Molecular Hydrogen. ChemCatChem, 2016, 8, 135-138.	3.7	40
134	Light-mediated curing of CO₂-based unsaturated polyethercarbonates via thiolâ€“ene click chemistry. Polymer Chemistry, 2016, 7, 4121-4126.	3.9	14
135	Synthesis of Î±-Amidoketones from Vinyl Esters via a Catalytic/Thermal Cascade Reaction. Journal of Organic Chemistry, 2016, 81, 4823-4828.	3.2	6
136	Enhancing the Catalytic Properties of Ruthenium Nanoparticle-SILP Catalysts by Dilution with Iron. ACS Catalysis, 2016, 6, 3719-3726.	11.2	62
137	Rutheniumâ€Catalyzed Synthesis of Dialkoxymethane Ethers Utilizing Carbon Dioxide and Molecular Hydrogen. Angewandte Chemie, 2016, 128, 12454-12457.	2.0	36
138	Bifunctional Ruthenium Nanoparticle-SILP Catalysts (RuNPs@SILP) for the Hydrodeoxygenation of Eucalyptol under Batch and Continuous Flow Conditions. ACS Sustainable Chemistry and Engineering, 2016, 4, 6186-6192.	6.7	22
139	Hydrogenation of CO₂ to Formic Acid with a Highly Active Ruthenium Acriphos Complex in DMSO and DMSO/Water. Angewandte Chemie, 2016, 128, 9112-9115.	2.0	18
140	Rutheniumâ€Catalyzed Synthesis of Dialkoxymethane Ethers Utilizing Carbon Dioxide and Molecular Hydrogen. Angewandte Chemie - International Edition, 2016, 55, 12266-12269.	13.8	120
141	Dynamics of Polyether Polyols and Polyether Carbonate Polyols. Macromolecules, 2016, 49, 8995-9003.	4.8	34
142	Hydrogenation of CO₂ to Formic Acid with a Highly Active Ruthenium Acriphos Complex in DMSO and DMSO/Water. Angewandte Chemie - International Edition, 2016, 55, 8966-8969.	13.8	158
143	Genetic and biochemical insights into the itaconate pathway of Ustilago maydis enable enhanced production. Metabolic Engineering, 2016, 38, 427-435.	7.0	58
144	NH₃ Synthesis in the N₂/H₂ Reaction System using Cooperative Molecular Tungsten/Rhodium Catalysis in Ionic Hydrogenation: Aâ€…DFT Study. Chemistry - A European Journal, 2016, 22, 2624-2628.	3.3	8

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