Thomas Schaub

List of Publications by Year
in descending order

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42	1,843	304743 22	276875 41
papers	citations	h-index	g-index

43	43	43	2114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Process for the Synthesis of Formic Acid by CO₂ Hydrogenation: Thermodynamic Aspects and the Role of CO. Angewandte Chemie - International Edition, 2011, 50, 7278-7282.	13.8	270
2	The Use of Carbon Dioxide (CO₂) as a Building Block in Organic Synthesis from an Industrial Perspective. Advanced Synthesis and Catalysis, 2019, 361, 223-246.	4.3	254
3	Câ^'F Activation of Fluorinated Arenes using NHC-Stabilized Nickel(0) Complexes: Selectivity and Mechanistic Investigations. Journal of the American Chemical Society, 2008, 130, 9304-9317.	13.7	225
4	Direct Asymmetric Ruthenium-Catalyzed Reductive Amination of Alkylâ€"Aryl Ketones with Ammonia and Hydrogen. Journal of the American Chemical Society, 2018, 140, 355-361.	13.7	118
5	Alcohol Amination with Ammonia Catalyzed by an Acridine-Based Ruthenium Pincer Complex: A Mechanistic Study. Journal of the American Chemical Society, 2014, 136, 5923-5929.	13.7	111
6	Direct Synthesis of Primary Amines via Rutheniumâ€Catalysed Amination of Ketones with Ammonia and Hydrogen. Advanced Synthesis and Catalysis, 2016, 358, 358-363.	4.3	87
7	Silver-Catalyzed Carboxylative Cyclization of Primary Propargyl Alcohols with CO₂. Organic Letters, 2019, 21, 1422-1425.	4.6	67
8	Palladiumâ€•and Nickelâ€Catalyzed Synthesis of Sodium Acrylate from Ethylene, CO₂, and Phenolate Bases: Optimization of the Catalytic System for a Potential Process. European Journal of Organic Chemistry, 2015, 2015, 7122-7130.	2.4	45
9	Efficient Industrial Organic Synthesis and the Principles of Green Chemistry. Chemistry - A European Journal, 2021, 27, 1865-1869.	3.3	42
10	Enhanced Activity and Recyclability of Palladium Complexes in the Catalytic Synthesis of Sodium Acrylate from Carbon Dioxide and Ethylene. ChemCatChem, 2017, 9, 2269-2274.	3.7	40
11	Depolymerization of Technicalâ€Grade Polyamide 66 and Polyurethane Materials through Hydrogenation. ChemSusChem, 2021, 14, 4176-4180.	6.8	39
12	Ru(II)-Triphos Catalyzed Amination of Alcohols with Ammonia via Ionic Species. Organometallics, 2015, 34, 1872-1881.	2.3	36
13	Synthesis of acrylates from olefins and CO2 using sodium alkoxides as bases. Catalysis Today, 2017, 281, 379-386.	4.4	36
14	Synthesis and polymerisation of Î±-alkylidene cyclic carbonates from carbon dioxide, epoxides and the primary propargylic alcohol 1,4-butynediol. Green Chemistry, 2020, 22, 1553-1558.	9.0	32
15	Study of Precatalyst Degradation Leading to the Discovery of a New Ru⁰ Precatalyst for Hydrogenation and Dehydrogenation. Organometallics, 2018, 37, 2193-2201.	2.3	31
16	Copper-catalysed synthesis of Î±-alkylidene cyclic carbonates from propargylic alcohols and CO₂. Green Chemistry, 2021, 23, 889-897.	9.0	28
17	Synthesis of Industrially Relevant Carbamates towards Isocyanates using Carbon Dioxide and Organotin(IV) Alkoxides. ChemSusChem, 2016, 9, 1586-1590.	6.8	27
18	Homogeneous catalysed hydrogenation of HMF. Green Chemistry, 2018, 20, 3386-3393.	9.0	27

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19	Ruthenium Catalyzed Direct Asymmetric Reductive Amination of Simple Aliphatic Ketones Using Ammonium Iodide and Hydrogen. European Journal of Organic Chemistry, 2020, 2020, 4796-4800.	2.4	26
20	Synthesis of Mono- and Dinuclear Vanadium Complexes and Their Reactivity toward Dehydroperoxidation of Alkyl Hydroperoxides. Inorganic Chemistry, 2017, 56, 1319-1332.	4.0	25
21	Ru⁰ or Ru^{II}: A Study on Stabilizing the â€œActivatedâ€•Form of Ru-PNP Complexes with Additional Phosphine Ligands in Alcohol Dehydrogenation and Ester Hydrogenation. Inorganic Chemistry, 2020, 59, 5099-5115.	4.0	25
22	Hydrogenative Depolymerization of Polyurethanes Catalyzed by a Manganese Pincer Complex. ChemSusChem, 2022, 15, .	6.8	24
23	Pd-Catalysed Suzukiâ€“Miyaura cross-coupling of aryl chlorides at low catalyst loadings in water for the synthesis of industrially important fungicides. Green Chemistry, 2021, 23, 8169-8180.	9.0	18
24	Performance enhancing additives for reusable ruthenium-triphos catalysts in the reduction of CO₂to dimethoxymethane. Green Chemistry, 2020, 22, 6464-6470.	9.0	17
25	Ruthenium-catalyzed synthesis of vinylamides at low acetylene pressure. Chemical Communications, 2020, 56, 5977-5980.	4.1	16
26	Tackling Challenges in Industrially Relevant Homogeneous Catalysis: The Catalysis Research Laboratory (CaRLa), an Industrialâ€“Academic Partnership. Journal of Organic Chemistry, 2019, 84, 4604-4614.	3.2	13
27	Synthesis of carbamates from carbon dioxide promoted by organostannanes and alkoxysilanes. Applied Organometallic Chemistry, 2017, 31, e3733.	3.5	12
28	Mechanistic Investigation of the Nickel-Catalyzed Carbonylation of Alcohols. Organometallics, 2020, 39, 870-880.	2.3	12
29	Liquidâ€liquidâ€phase Synthesis of exoâ€Vinylene Carbonates from Primary Propargylic Alcohols: Catalyst Design and Recycling. ChemCatChem, 2021, 13, 353-361.	3.7	12
30	Manganeseâ€Catalyzed Hydrogenation of Sclareolide to Ambradiol. ChemCatChem, 2022, 14, .	3.7	11
31	Rutheniumâ€Catalyzed Deaminative Hydrogenation of Aliphatic and Aromatic Nitriles to Primary Alcohols. ChemCatChem, 2017, 9, 4175-4178.	3.7	10
32	Phosphine-Catalyzed Vinylation at Low Acetylene Pressure. Journal of Organic Chemistry, 2021, 86, 13041-13055.	3.2	10
33	Selective and Scalable Synthesis of Sugar Alcohols by Homogeneous Asymmetric Hydrogenation of Unprotected Ketoses. Angewandte Chemie - International Edition, 2021, 60, 721-725.	13.8	9
34	Selective Decomposition of Cyclohexyl Hydroperoxide using Homogeneous and Heterogeneous Cr^{VI} Catalysts: Optimizing the Reaction by Evaluating the Reaction Mechanism. ChemCatChem, 2018, 10, 2755-2767.	3.7	7
35	Photoinduced Direct Conversion of Cyclohexane into Cyclohexanone Oxime using LEDs. ChemPhotoChem, 2018, 2, 22-26.	3.0	7
36	Copperâ€Catalysed Synthesis of Propargyl Alcohol and Derivatives from Acetylene and other Terminal Alkynes. Advanced Synthesis and Catalysis, 2022, 364, 2227-2234.	4.3	5

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37	Rutheniumâ€Catalyzed Deaminative Hydrogenation of Amino Nitriles: Direct Access to 1,2â€Amino Alcohols. Chemistry - A European Journal, 2019, 25, 9498-9503.	3.3	4
38	Triflicâ€Acidâ€Catalyzed Friedelâ€Crafts Reaction for the Synthesis of Diaryl Sulfones. European Journal of Organic Chemistry, 2022, 2022, .	2.4	3
39	Revisiting Nickel-Catalyzed Carbonylations: (Unexpected) Observation of Substrate-Dependent Mechanistic Differences. Organometallics, 2022, 41, 1184-1196.	2.3	2
40	Sodium Acrylate from Ethylene and CO2: The Path from Basic Research to a System Appropriate for a Continuous Process. Topics in Organometallic Chemistry, 2018, , 253-270.	0.7	1
41	Selektive und skalierbare Synthese von Zuckeralkoholen durch homogene asymmetrische Hydrierung von ungeschÃ¼tzten Ketosen. Angewandte Chemie, 2021, 133, 732-736.	2.0	0
42	David Milstein: Shaping Organometallic Catalysis Over Five Decades. ChemistryViews, 0, , .	0.0	0