

# Thomas Schaub

## List of Publications by Year in descending order

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42  
papers

1,843  
citations

304743

22  
h-index

276875

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43  
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43  
docs citations

43  
times ranked

2114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenative Depolymerization of Polyurethanes Catalyzed by a Manganese Pincer Complex. <i>ChemSusChem</i> , 2022, 15, .	6.8	24
2	Manganese-catalyzed Hydrogenation of Sclareolide to Ambradiol. <i>ChemCatChem</i> , 2022, 14, .	3.7	11
3	Revisiting Nickel-Catalyzed Carbonylations: (Unexpected) Observation of Substrate-Dependent Mechanistic Differences. <i>Organometallics</i> , 2022, 41, 1184-1196.	2.3	2
4	Copper-catalysed Synthesis of Propargyl Alcohol and Derivatives from Acetylene and other Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2227-2234.	4.3	5
5	Triflic Acid-catalyzed Friedel-Crafts Reaction for the Synthesis of Diaryl Sulfones. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	3
6	Depolymerization of Technical-Grade Polyamide 66 and Polyurethane Materials through Hydrogenation. <i>ChemSusChem</i> , 2021, 14, 4176-4180.	6.8	39
7	Liquid-liquid phase Synthesis of <i>exo</i> -Vinylene Carbonates from Primary Propargylic Alcohols: Catalyst Design and Recycling. <i>ChemCatChem</i> , 2021, 13, 353-361.	3.7	12
8	Copper-catalysed synthesis of $\beta$ -alkylidene cyclic carbonates from propargylic alcohols and CO <sub>2</sub> . <i>Green Chemistry</i> , 2021, 23, 889-897.	9.0	28
9	Selective and Scalable Synthesis of Sugar Alcohols by Homogeneous Asymmetric Hydrogenation of Unprotected Ketoses. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 721-725.	13.8	9
10	Pd-Catalysed Suzuki-Miyaura cross-coupling of aryl chlorides at low catalyst loadings in water for the synthesis of industrially important fungicides. <i>Green Chemistry</i> , 2021, 23, 8169-8180.	9.0	18
11	Efficient Industrial Organic Synthesis and the Principles of Green Chemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 1865-1869.	3.3	42
12	Phosphine-Catalyzed Vinylation at Low Acetylene Pressure. <i>Journal of Organic Chemistry</i> , 2021, 86, 13041-13055.	3.2	10
13	Selektive und skalierbare Synthese von Zuckeralkoholen durch homogene asymmetrische Hydrierung von ungeschützten Ketosen. <i>Angewandte Chemie</i> , 2021, 133, 732-736.	2.0	0
14	Performance enhancing additives for reusable ruthenium-triphos catalysts in the reduction of CO <sub>2</sub> to dimethoxymethane. <i>Green Chemistry</i> , 2020, 22, 6464-6470.	9.0	17
15	Ruthenium Catalyzed Direct Asymmetric Reductive Amination of Simple Aliphatic Ketones Using Ammonium Iodide and Hydrogen. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4796-4800.	2.4	26
16	Mechanistic Investigation of the Nickel-Catalyzed Carbonylation of Alcohols. <i>Organometallics</i> , 2020, 39, 870-880.	2.3	12
17	Ru <sup>0</sup> or Ru <sup>II</sup> : A Study on Stabilizing the $\sigma$ -Activated Form of Ru-PNP Complexes with Additional Phosphine Ligands in Alcohol Dehydrogenation and Ester Hydrogenation. <i>Inorganic Chemistry</i> , 2020, 59, 5099-5115.	4.0	25
18	Synthesis and polymerisation of $\beta$ -alkylidene cyclic carbonates from carbon dioxide, epoxides and the primary propargylic alcohol 1,4-butyne diol. <i>Green Chemistry</i> , 2020, 22, 1553-1558.	9.0	32

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19	Ruthenium-catalyzed synthesis of vinylamides at low acetylene pressure. <i>Chemical Communications</i> , 2020, 56, 5977-5980.	4.1	16
20	Ruthenium-catalyzed Deaminative Hydrogenation of Amino Nitriles: Direct Access to 1,2-Amino Alcohols. <i>Chemistry - A European Journal</i> , 2019, 25, 9498-9503.	3.3	4
21	Silver-Catalyzed Carboxylative Cyclization of Primary Propargyl Alcohols with CO <sub>2</sub> . <i>Organic Letters</i> , 2019, 21, 1422-1425.	4.6	67
22	The Use of Carbon Dioxide (CO <sub>2</sub> ) as a Building Block in Organic Synthesis from an Industrial Perspective. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 223-246.	4.3	254
23	Tackling Challenges in Industrially Relevant Homogeneous Catalysis: The Catalysis Research Laboratory (CaRLa), an Industrial Academic Partnership. <i>Journal of Organic Chemistry</i> , 2019, 84, 4604-4614.	3.2	13
24	Selective Decomposition of Cyclohexyl Hydroperoxide using Homogeneous and Heterogeneous Cr <sup>VI</sup> Catalysts: Optimizing the Reaction by Evaluating the Reaction Mechanism. <i>ChemCatChem</i> , 2018, 10, 2755-2767.	3.7	7
25	Photoinduced Direct Conversion of Cyclohexane into Cyclohexanone Oxime using LEDs. <i>ChemPhotoChem</i> , 2018, 2, 22-26.	3.0	7
26	Direct Asymmetric Ruthenium-Catalyzed Reductive Amination of Alkyl Aryl Ketones with Ammonia and Hydrogen. <i>Journal of the American Chemical Society</i> , 2018, 140, 355-361.	13.7	118
27	Sodium Acrylate from Ethylene and CO <sub>2</sub> : The Path from Basic Research to a System Appropriate for a Continuous Process. <i>Topics in Organometallic Chemistry</i> , 2018, , 253-270.	0.7	1
28	Study of Precatalyst Degradation Leading to the Discovery of a New Ru <sup>0</sup> Precatalyst for Hydrogenation and Dehydrogenation. <i>Organometallics</i> , 2018, 37, 2193-2201.	2.3	31
29	Homogeneous catalysed hydrogenation of HMF. <i>Green Chemistry</i> , 2018, 20, 3386-3393.	9.0	27
30	Synthesis of acrylates from olefins and CO <sub>2</sub> using sodium alkoxides as bases. <i>Catalysis Today</i> , 2017, 281, 379-386.	4.4	36
31	Synthesis of Mono- and Dinuclear Vanadium Complexes and Their Reactivity toward Dehydroperoxidation of Alkyl Hydroperoxides. <i>Inorganic Chemistry</i> , 2017, 56, 1319-1332.	4.0	25
32	Synthesis of carbamates from carbon dioxide promoted by organostannanes and alkoxy silanes. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3733.	3.5	12
33	Ruthenium-catalyzed Deaminative Hydrogenation of Aliphatic and Aromatic Nitriles to Primary Alcohols. <i>ChemCatChem</i> , 2017, 9, 4175-4178.	3.7	10
34	Enhanced Activity and Recyclability of Palladium Complexes in the Catalytic Synthesis of Sodium Acrylate from Carbon Dioxide and Ethylene. <i>ChemCatChem</i> , 2017, 9, 2269-2274.	3.7	40
35	Synthesis of Industrially Relevant Carbamates towards Isocyanates using Carbon Dioxide and Organotin(IV) Alkoxides. <i>ChemSusChem</i> , 2016, 9, 1586-1590.	6.8	27
36	Direct Synthesis of Primary Amines <i>via</i> Ruthenium-catalysed Amination of Ketones with Ammonia and Hydrogen. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 358-363.	4.3	87

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37	Palladium- and Nickel-Catalyzed Synthesis of Sodium Acrylate from Ethylene, CO <sub>2</sub> , and Phenolate Bases: Optimization of the Catalytic System for a Potential Process. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7122-7130.	2.4	45
38	Ru(II)-Triphos Catalyzed Amination of Alcohols with Ammonia via Ionic Species. <i>Organometallics</i> , 2015, 34, 1872-1881.	2.3	36
39	Alcohol Amination with Ammonia Catalyzed by an Acridine-Based Ruthenium Pincer Complex: A Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2014, 136, 5923-5929.	13.7	111
40	A Process for the Synthesis of Formic Acid by CO <sub>2</sub> Hydrogenation: Thermodynamic Aspects and the Role of CO. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7278-7282.	13.8	270
41	C-F Activation of Fluorinated Arenes using NHC-Stabilized Nickel(0) Complexes: Selectivity and Mechanistic Investigations. <i>Journal of the American Chemical Society</i> , 2008, 130, 9304-9317.	13.7	225
42	David Milstein: Shaping Organometallic Catalysis Over Five Decades. <i>ChemistryViews</i> , 0, , .	0.0	0