Thomas Seidensticker

List of Publications by Citations

45 papers	631 citations	12 h-index	24 g-index
52 ext. papers	765 ext. citations	7 avg, IF	4.32 L-index

#	Paper	IF	Citations
45	Towards resource efficient chemistry: tandem reactions with renewables. *Green Chemistry*, **2014**, 16, 982-1006	10	162
44	Selective formation of linear ester amides from the aminocarbonylation of castor oil derived methyl 10-undecenoate and other unsaturated substrates. *Catalysis Science and Technology*, **2014**, 4, 2332-2339	5.5	44
43	Polymerisable di- and triesters from Tall Oil Fatty Acids and related compounds. *Green Chemistry*, **2013**, 15, 1218	10	42
42	Homogeneously Catalyzed 1,3-Diene Functionalization – A Success Story from Laboratory to Miniplant Scale. *ChemCatChem*, **2018**, 10, 5342-5365	5.2	38
41	Thermomorphic Multiphase Systems: Switchable Solvent Mixtures for the Recovery of Homogeneous Catalysts in Batch and Flow Processes. *Chemistry - A European Journal*, **2019**, 25, 11586-11608	4.8	34
40	Diester monomers from methyl oleate and proline via tandem hydroaminomethylation-esterification sequence with homogeneous catalyst recycling using TMS-technique. *European Journal of Lipid Science and Technology*, **2014**, 116, 477-485	3	31
39	The mission of addition and fission – catalytic functionalization of oleochemicals. *European Journal of Lipid Science and Technology*, **2016**, 118, 3-25	3	24
38	Tandem Reductive Hydroformylation of Castor Oil Derived Substrates and Catalyst Recycling by Selective Product Crystallization. *ChemCatChem*, **2017**, 9, 4319-4323	5.2	18
37	Ruthenium-catalyzed hydroformylation: from laboratory to continuous miniplant scale. *Catalysis Science and Technology*, **2016**, 6, 8072-8079	5.5	18
36	Palladium-Catalyzed Aminocarbonylation of Aliphatic Alkenes with N,N-Dimethylformamide as an In Situ Source of CO. *ChemCatChem*, **2015**, 7, 4085-4090	5.2	17
35	Process Development for the Rhodium-Catalyzed Reductive Amination in a Thermomorphic Multiphase System. *Organic Process Research and Development*, **2020**, 24, 41-49	3.9	16
34	Direct Synthesis of an Linear Diester from 2,7-Octadienol as Bulk Feedstock in Three Tandem Catalytic Steps. *Chemistry - A European Journal*, **2016**, 22, 1840-6	4.8	13
33	Highly selective dimerization and trimerization of isobutene to linearly linked products by using nickel catalysts. *Chemistry - an Asian Journal*, **2014**, 9, 596-601	4.5	12
32	Rhodium-Catalyzed Bis-Hydroaminomethylation of Linear Aliphatic Alkenes with Piperazine. *Advanced Synthesis and Catalysis*, **2016**, 358, 610-621	5.6	12
31	Continuous hydroformylation of 1-decene in an aqueous biphasic system enabled by methylated cyclodextrins. *Green Chemistry*, **2020**, 22, 3809-3819	10	12
30	Tandem Catalytic Amine Synthesis from Alkenes in Continuous Flow Enabled by Integrated Catalyst Recycling. *ACS Catalysis*, **2020**, 10, 6463-6472	13.1	10
29	Vom Laborkuriosum zum kontinuierlichen Prozess: Die Entwicklung thermomorpher Lösungsmittelsysteme. *Chemie-Ingenieur-Technik*, **2017**, 89, 252-262	0.8	10

28	An Old Friend in a New Guise: Recent Trends in Homogeneous Transition Metal Catalysis. *ChemBioEng Reviews*, **2015**, 2, 6-21	5.2	10
27	Rhodium-Catalysed Reductive Amination for the Synthesis of Tertiary Amines. *Advanced Synthesis and Catalysis*, **2020**, 362, 4415-4424	5.6	10
26	Aqueous biphasic hydroformylation of methyl oleate: a green solvent-only strategy for homogeneous catalyst recycling. *Green Chemistry*, **2019**, 21, 6738-6745	10	10
25	Improving Aqueous Biphasic Hydroformylation of Unsaturated Oleochemicals Using a Jet-Loop-Reactor. *European Journal of Lipid Science and Technology*, **2020**, 122, 1900166	3	9
24	From Oleo Chemicals to Polymer: Bis-hydroaminomethylation as a Tool for the Preparation of a Synthetic Polymer from Renewables. *ChemCatChem*, **2016**, 8, 2890-2893	5.2	8
23	Einführung in die Chemie nachwachsender Rohstoffe **2018**,		8
22	Magic of Alpha: The Chemistry of a Remarkable Bidentate Phosphine, 1,2-Bis(di-butylphosphinomethyl)benzene. *Chemical Reviews*, **2021**, 121, 6610-6653	68.1	8
21	Improvement of Productivity for Aqueous Biphasic Hydroformylation of Methyl 10-Undecenoate: A Detailed Phase Investigation. *European Journal of Lipid Science and Technology*, **2020**, 122, 1900317	3	8
20	Nickel catalyzed dimerization reactions of vinylidene compounds: Head-to-head couplings and catalyst stabilization. *Journal of Molecular Catalysis A*, **2014**, 395, 355-363		7
19	Neue Trends in der homogenen Übergangsmetallkatalyse. *Chemie-Ingenieur-Technik*, **2014**, 86, 2089-2104	0.8	6
18	Solvent Selection in Homogeneous Catalysis: Optimization of Kinetics and Reaction Performance. *ACS Catalysis*, **2021**, 11, 590-594	13.1	6
17	Productivity Leap in the Homogeneous Ruthenium-Catalyzed Alcohol Amination through Catalyst Recycling Avoiding Volatile Organic Solvents. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 9962-9967	8.3	4
16	Palladium-catalysed carboxytelomerisation of Myrcene to highly branched C21-esters. *Catalysis Science and Technology*, **2018**, 8, 4332-4337	5.5	4
15	Curse and Blessing: The Role of Water in the Homogeneously Ru-Catalyzed Epoxidation of Technical Grade Methyl Oleate. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 11469-11478	8.3	4
14	Facile catalyst recycling by thermomorphic behaviour avoiding organic solvents: a reactive ionic liquid in the homogeneous Pd-catalysed telomerisation of the renewable Myrcene. *Catalysis Science and Technology*, **2020**, 10, 1827-1834	5.5	3
13	One-pot synthesis of aldoximes from alkenes via Rh-catalysed hydroformylation in an aqueous solvent system. *Green Chemistry*, **2020**, 22, 7974-7982	10	3
12	Merger of Johnson–Claisen rearrangement and alkoxycarbonylation for atom efficient diester synthesis. *Tetrahedron Letters*, **2016**, 57, 371-374	2	2
11	Selective Product Crystallization for Concurrent Product Separation and Catalyst Recycling in the Isomerizing Methoxycarbonylation of Methyl Oleate. *ACS Sustainable Chemistry and Engineering*, **2020**,	8.3	2

10	Slug flow as tool for selectivity control in the homogeneously catalysed solvent-free epoxidation of methyl oleate. *Journal of Flow Chemistry*, **2021**, 11, 407	3.3	1
9	Palladium Catalysed Acid-Free Carboxytelomerisation of 1,3-Butadiene with Alcohols Accessing Pelargonic Acid Derivatives Including Triglycerides under Selectivity Control. *Advanced Synthesis and Catalysis*, **2020**, 362, 679-687	5.6	1
8	Weimar 2016: Catalysis Strikes Back. *ChemCatChem*, **2016**, 8, 1987-1989	5.2	1
7	Aqueous Biphasic Hydroaminomethylation Enabled by Methylated Cyclodextrins: Sensitivity Analysis for Transfer into a Continuous Process. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 273-283	8.2	1
6	Predicting Solvent Effects on Homogeneity and Kinetics of the Hydroaminomethylation: A Thermodynamic Approach Using PC-SAFT. *Industrial & Engineering Chemistry Research*, **2022**, 61, 2323-2332	3.9	0
5	There is More to Oleochemistry - Reactions at the Fatty Acid Alkyl Chain **2020**, 61-87		
4	Reaktionen an der Fettsäurekette **2018**, 57-83		
3	Tandem Reactions with Renewables. *Catalysis By Metal Complexes*, **2017**, 107-154		
2	Prozessintensivierung via organophiler Nanofiltration – Entwicklungen in der Rückgewinnung homogener Übergangsmetallkatalysatoren. *Chemie-Ingenieur-Technik*, **2018**, 90, 1177-1177	0.8	
1	Catalytic Synthesis of Methyl 9,10-dihydroxystearate from Technical Feedstocks in Continuous Flow via Epoxidation and Hydrolysis. *European Journal of Lipid Science and Technology*,2200041	3	