

Thomas Seidensticker

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.

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	Predicting Solvent Effects on Homogeneity and Kinetics of the Hydroaminomethylation: A Thermodynamic Approach Using PC-SAFT. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 2323-2332	3.9	0
44	Slug flow as tool for selectivity control in the homogeneously catalysed solvent-free epoxidation of methyl oleate. <i>Journal of Flow Chemistry</i> , 2021 , 11, 407	3.3	1
43	Solvent Selection in Homogeneous Catalysis Optimization of Kinetics and Reaction Performance. <i>ACS Catalysis</i> , 2021 , 11, 590-594	13.1	6
42	Magic of Alpha: The Chemistry of a Remarkable Bidentate Phosphine, 1,2-Bis(di-butylphosphinomethyl)benzene. <i>Chemical Reviews</i> , 2021 , 121, 6610-6653	68.1	8
41	Aqueous Biphasic Hydroaminomethylation Enabled by Methylated Cyclodextrins: Sensitivity Analysis for Transfer into a Continuous Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 273-283	8.3	1
40	Curse and Blessing The Role of Water in the Homogeneously Ru-Catalyzed Epoxidation of Technical Grade Methyl Oleate. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11469-11478	8.3	4
39	Tandem Catalytic Amine Synthesis from Alkenes in Continuous Flow Enabled by Integrated Catalyst Recycling. <i>ACS Catalysis</i> , 2020 , 10, 6463-6472	13.1	10
38	Productivity Leap in the Homogeneous Ruthenium-Catalyzed Alcohol Amination through Catalyst Recycling Avoiding Volatile Organic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9962-9967	8.3	4
37	Facile catalyst recycling by thermomorphic behaviour avoiding organic solvents: a reactive ionic liquid in the homogeneous Pd-catalysed telomerisation of the renewable Emrysene. <i>Catalysis Science and Technology</i> , 2020 , 10, 1827-1834	5.5	3
36	There is More to Oleochemistry - Reactions at the Fatty Acid Alkyl Chain 2020 , 61-87		
35	Process Development for the Rhodium-Catalyzed Reductive Amination in a Thermomorphic Multiphase System. <i>Organic Process Research and Development</i> , 2020 , 24, 41-49	3.9	16
34	Palladium Catalysed Acid-Free Carboxytelomerisation of 1,3-Butadiene with Alcohols Accessing Pelargonic Acid Derivatives Including Triglycerides under Selectivity Control. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 679-687	5.6	1
33	Selective Product Crystallization for Concurrent Product Separation and Catalyst Recycling in the Isomerizing Methoxycarbonylation of Methyl Oleate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 ,	8.3	2
32	Rhodium-Catalysed Reductive Amination for the Synthesis of Tertiary Amines. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 4415-4424	5.6	10
31	One-pot synthesis of aldoximes from alkenes via Rh-catalysed hydroformylation in an aqueous solvent system. <i>Green Chemistry</i> , 2020 , 22, 7974-7982	10	3
30	Improving Aqueous Biphasic Hydroformylation of Unsaturated Oleochemicals Using a Jet-Loop-Reactor. <i>European Journal of Lipid Science and Technology</i> , 2020 , 122, 1900166	3	9
29	Improvement of Productivity for Aqueous Biphasic Hydroformylation of Methyl 10-Undecenoate: A Detailed Phase Investigation. <i>European Journal of Lipid Science and Technology</i> , 2020 , 122, 1900317	3	8

28	Continuous hydroformylation of 1-decene in an aqueous biphasic system enabled by methylated cyclodextrins. <i>Green Chemistry</i> , 2020 , 22, 3809-3819	10	12
27	Thermomorphic Multiphase Systems: Switchable Solvent Mixtures for the Recovery of Homogeneous Catalysts in Batch and Flow Processes. <i>Chemistry - A European Journal</i> , 2019 , 25, 11586-11608	4.8	34
26	Aqueous biphasic hydroformylation of methyl oleate: a green solvent-only strategy for homogeneous catalyst recycling. <i>Green Chemistry</i> , 2019 , 21, 6738-6745	10	10
25	Reaktionen an der Fettsäurekette 2018 , 57-83		
24	Einführung in die Chemie nachwachsender Rohstoffe 2018 ,		8
23	Homogeneously Catalyzed 1,3-Diene Functionalization [A Success Story from Laboratory to Miniplant Scale. <i>ChemCatChem</i> , 2018 , 10, 5342-5365	5.2	38
22	Prozessintensivierung via organophiler Nanofiltration [Entwicklungen in der Rückgewinnung homogener Übergangsmetallkatalysatoren. <i>Chemie-Ingenieur-Technik</i> , 2018 , 90, 1177-1177	0.8	
21	Palladium-catalysed carboxytelomerisation of Emrycene to highly branched C21-esters. <i>Catalysis Science and Technology</i> , 2018 , 8, 4332-4337	5.5	4
20	Tandem Reductive Hydroformylation of Castor Oil Derived Substrates and Catalyst Recycling by Selective Product Crystallization. <i>ChemCatChem</i> , 2017 , 9, 4319-4323	5.2	18
19	Vom Laborkuriosum zum kontinuierlichen Prozess: Die Entwicklung thermomorpher Lösungsmittelsysteme. <i>Chemie-Ingenieur-Technik</i> , 2017 , 89, 252-262	0.8	10
18	Tandem Reactions with Renewables. <i>Catalysis By Metal Complexes</i> , 2017 , 107-154		
17	From Oleo Chemicals to Polymer: Bis-hydroaminomethylation as a Tool for the Preparation of a Synthetic Polymer from Renewables. <i>ChemCatChem</i> , 2016 , 8, 2890-2893	5.2	8
16	Merger of Johnson-Claissen rearrangement and alkoxycarbonylation for atom efficient diester synthesis. <i>Tetrahedron Letters</i> , 2016 , 57, 371-374	2	2
15	Rhodium-Catalyzed Bis-Hydroaminomethylation of Linear Aliphatic Alkenes with Piperazine. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 610-621	5.6	12
14	Weimar 2016: Catalysis Strikes Back. <i>ChemCatChem</i> , 2016 , 8, 1987-1989	5.2	1
13	Direct Synthesis of an Ester Diester from 2,7-Octadienol as Bulk Feedstock in Three Tandem Catalytic Steps. <i>Chemistry - A European Journal</i> , 2016 , 22, 1840-6	4.8	13
12	Ruthenium-catalyzed hydroformylation: from laboratory to continuous miniplant scale. <i>Catalysis Science and Technology</i> , 2016 , 6, 8072-8079	5.5	18
11	The mission of addition and fission [catalytic functionalization of oleochemicals. <i>European Journal of Lipid Science and Technology</i> , 2016 , 118, 3-25	3	24

10	Palladium-Catalyzed Aminocarbonylation of Aliphatic Alkenes with N,N-Dimethylformamide as an In Situ Source of CO. <i>ChemCatChem</i> , 2015 , 7, 4085-4090	5.2	17
9	An Old Friend in a New GuiseRecent Trends in Homogeneous Transition Metal Catalysis. <i>ChemBioEng Reviews</i> , 2015 , 2, 6-21	5.2	10
8	Towards resource efficient chemistry: tandem reactions with renewables. <i>Green Chemistry</i> , 2014 , 16, 982-1006	10	162
7	Neue Trends in der homogenen Bergangsmetallkatalyse. <i>Chemie-Ingenieur-Technik</i> , 2014 , 86, 2089-2104	0.8	6
6	Selective formation of diester amides from the aminocarbonylation of castor oil derived methyl 10-undecenoate and other unsaturated substrates. <i>Catalysis Science and Technology</i> , 2014 , 4, 2332-2339	5.5	44
5	Nickel catalyzed dimerization reactions of vinylidene compounds: Head-to-head couplings and catalyst stabilization. <i>Journal of Molecular Catalysis A</i> , 2014 , 395, 355-363		7
4	Diester monomers from methyl oleate and proline via tandem hydroaminomethylation-esterification sequence with homogeneous catalyst recycling using TMS-technique. <i>European Journal of Lipid Science and Technology</i> , 2014 , 116, 477-485	3	31
3	Highly selective dimerization and trimerization of isobutene to linearly linked products by using nickel catalysts. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 596-601	4.5	12
2	Polymerisable di- and triesters from Tall Oil Fatty Acids and related compounds. <i>Green Chemistry</i> , 2013 , 15, 1218	10	42
1	Catalytic Synthesis of Methyl 9,10-dihydroxystearate from Technical Feedstocks in Continuous Flow via Epoxidation and Hydrolysis. <i>European Journal of Lipid Science and Technology</i> , 2200041	3	