

Martin Nielsen

List of Publications by Citations

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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

3,772
citations

29
h-index

61
g-index

65
ext. papers

4,153
ext. citations

8.8
avg, IF

5.25
L-index

#	Paper	IF	Citations
45	Low-temperature aqueous-phase methanol dehydrogenation to hydrogen and carbon dioxide. <i>Nature</i> , 2013 , 495, 85-9	50.4	546
44	Heterogenized cobalt oxide catalysts for nitroarene reduction by pyrolysis of molecularly defined complexes. <i>Nature Chemistry</i> , 2013 , 5, 537-43	17.6	513
43	Selective hydrogen production from methanol with a defined iron pincer catalyst under mild conditions. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 14162-6	16.4	271
42	Mechanisms in aminocatalysis. <i>Chemical Communications</i> , 2011 , 47, 632-49	5.8	245
41	Towards a green process for bulk-scale synthesis of ethyl acetate: efficient acceptorless dehydrogenation of ethanol. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5711-3	16.4	219
40	Efficient hydrogen production from alcohols under mild reaction conditions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9593-7	16.4	214
39	Asymmetric organocatalysis with sulfones. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2668-79	16.4	199
38	Enantioselective organocatalytic conjugate addition of N heterocycles to alpha,beta-unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1983-7	16.4	167
37	Unravelling the Mechanism of Basic Aqueous Methanol Dehydrogenation Catalyzed by Ru-PNP Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14890-14904	16.4	115
36	Asymmetric organocatalytic formal alkynylation and alkenylation of alpha,beta-unsaturated aldehydes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10581-6	16.4	94
35	Ruthenium-catalyzed hydrogen generation from glycerol and selective synthesis of lactic acid. <i>Green Chemistry</i> , 2015 , 17, 193-198	10	89
34	Organocatalysed asymmetric beta-amination and multicomponent syn-selective diamination of alpha,beta-unsaturated aldehydes. <i>Chemistry - A European Journal</i> , 2007 , 13, 9068-75	4.8	74
33	Trends in organocatalytic conjugate addition to enones: an efficient approach to optically active alkynyl, alkenyl, and ketone products. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7338-42	16.4	72
32	Selective Hydrogen Production from Methanol with a Defined Iron Pincer Catalyst under Mild Conditions. <i>Angewandte Chemie</i> , 2013 , 125, 14412-14416	3.6	71
31	Enantioselective Organocatalytic Conjugate Addition of N Heterocycles to α,β -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2007 , 119, 2029-2033	3.6	65
30	Asymmetrische Organokatalyse mit Sulfonen. <i>Angewandte Chemie</i> , 2010 , 122, 2726-2738	3.6	62
29	Efficient Hydrogen Production from Alcohols under Mild Reaction Conditions. <i>Angewandte Chemie</i> , 2011 , 123, 9767-9771	3.6	61

28	Enantioselective hydroxylation of nitroalkenes: an organocatalytic approach. <i>Chemical Communications</i> , 2007 , 3646-8	5.8	58
27	Asymmetric organocatalytic formal aza-Michael addition of ammonia to nitroalkenes. <i>Chemistry - A European Journal</i> , 2010 , 16, 13330-4	4.8	56
26	Efficient and selective hydrogen generation from bioethanol using ruthenium pincer-type complexes. <i>ChemSusChem</i> , 2014 , 7, 2419-22	8.3	54
25	Towards a Green Process for Bulk-Scale Synthesis of Ethyl Acetate: Efficient Acceptorless Dehydrogenation of Ethanol. <i>Angewandte Chemie</i> , 2012 , 124, 5809-5811	3.6	53
24	Radicals in asymmetric organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7356-9	16.4	51
23	Asymmetric organocatalytic monofluorovinylation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7398-404	16.4	43
22	Organocatalytic asymmetric ring-opening of aziridines. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 3463-70	3.7	42
21	Transition-metal-free formal Sonogashira coupling and alpha-carbonyl arylation reactions. <i>Chemistry - A European Journal</i> , 2010 , 16, 3783-90	4.8	39
20	Recent Progress with Pincer Transition Metal Catalysts for Sustainability. <i>Catalysts</i> , 2020 , 10, 773	4	35
19	Combined organo- and gold-catalyzed enantioselective synthesis of bicyclic enones. <i>Tetrahedron: Asymmetry</i> , 2010 , 21, 1624-1629		32
18	Asymmetric conjugate addition of azide to α,β -unsaturated nitro compounds catalyzed by cinchona alkaloids. <i>Tetrahedron</i> , 2007 , 63, 5849-5854	2.4	31
17	Trends in Organocatalytic Conjugate Addition to Enones: An Efficient Approach to Optically Active Alkynyl, Alkenyl, and Ketone Products. <i>Angewandte Chemie</i> , 2009 , 121, 7474-7478	3.6	30
16	Practical Synthesis of α -Carbonyl Phenyltetrazolesulfones and Investigations of Their Reactivities in Organocatalysis. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 47-52	3.2	29
15	Asymmetric organocatalytic electrophilic phosphination. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3211-4	16.4	25
14	An asymmetric organocatalytic approach towards allylic amines and beta-keto amino compounds. <i>Chemical Communications</i> , 2009 , 6554-6	5.8	24
13	Radikale in der asymmetrischen Organokatalyse. <i>Angewandte Chemie</i> , 2007 , 119, 7500-7503	3.6	23
12	Iridium-catalyzed hydrogen production from monosaccharides, disaccharide, cellulose, and lignocellulose. <i>ChemSusChem</i> , 2015 , 8, 804-8	8.3	15
11	Homogeneous Catalysis by Organometallic Polynuclear Clusters. <i>Journal of Cluster Science</i> , 2020 , 31, 11-61	3	12

10	Efficient catalytic hydrogenation of alkyl levulinates to γ -valerolactone. <i>Green Chemistry</i> , 2019 , 21, 5195-5200	11
9	Efficient and selective catalytic hydrogenation of furanic aldehydes using well defined Ru and Ir pincer complexes. <i>Green Chemistry</i> , 2020 , 22, 6767-6772	10 6
8	Rhodium-Catalyzed Synthesis of β -Amido- and β -Carboxylic- β -Ketoesters. <i>Synthesis</i> , 2005 , 2005, 2234-2238	2.9 6
7	Asymmetric Organocatalytic Electrophilic Phosphination. <i>Angewandte Chemie</i> , 2011 , 123, 3269-3272	3.6 5
6	Catalytic Oxidation of Allylic Alcohols to Methyl Esters. <i>Topics in Catalysis</i> , 2017 , 60, 1380-1386	2.3 4
5	Base-Free Synthesis of Furfurylamines from Biomass Furans Using Ru Pincer Complexes. <i>Catalysts</i> , 2021 , 11, 558	4 4
4	Homogeneous Catalyzed Valorization of Furanics: A Sustainable Bridge to Fuels and Chemicals. <i>Catalysts</i> , 2021 , 11, 1371	4 3
3	Hydrogen Production by Homogeneous Catalysis: Alcohol Acceptorless Dehydrogenation. <i>Environmental Chemistry for A Sustainable World</i> , 2015 , 1-60	0.8 2
2	Efficient hydrogen peroxide decomposition to oxygen and water catalysed by a ruthenium pincer complex. <i>Environmental Chemistry Letters</i> , 2016 , 14, 359-365	13.3 1
1	Chemoselective Transfer Hydrogenation of Enamides Using Ru Pincer Complexes for the Synthesis of β -Amino Acids.. <i>Journal of Organic Chemistry</i> , 2022 ,	4.2 1