

Claas H HÃ¶velmann

List of Publications by Year in descending order

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19
papers

1,497
citations

567281

15
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium(II)-Catalyzed Intramolecular Diamination of Unfunctionalized Alkenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 14586-14587.	13.7	396
2	Oxidative Diamination of Alkenes with Ureas as Nitrogen Sources: Mechanistic Pathways in the Presence of a High Oxidation State Palladium Catalyst. <i>Journal of the American Chemical Society</i> , 2008, 130, 763-773.	13.7	290
3	Exploring the Nickel-Catalyzed Oxidation of Alkenes: A Diamination by Sulfamide Transfer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7125-7127.	13.8	133
4	Direct synthesis of bicyclic guanidines through unprecedented palladium(ii) catalysed diamination with copper chloride as oxidant. <i>Chemical Communications</i> , 2008, , 2334.	4.1	125
5	Intramolecular Diamination of Alkenes with Palladium(II)/Copper(II) Bromide and IPy_2BF_4 : The Role of Halogenated Intermediates. <i>Chemistry - an Asian Journal</i> , 2008, 3, 776-788.	3.3	101
6	Metal-free diamination of alkenes employing bromide catalysis. <i>Chemical Science</i> , 2012, 3, 2375.	7.4	83
7	Synthesis of Diamino Carboxylic Esters by Palladium-Catalyzed Oxidative Intramolecular Diamination of Acrylates. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1248-1255.	3.3	81
8	Sacrificial bonds enhance toughness of dual polybutadiene networks. <i>Polymer</i> , 2016, 87, 123-128.	3.8	63
9	First palladium- and nickel-catalyzed oxidative diamination of alkenes: Cyclic urea, sulfamide, and guanidine building blocks. <i>Pure and Applied Chemistry</i> , 2008, 80, 1089-1096.	1.9	59
10	Molecular Approach to Supramolecular Polymer Assembly by Small Angle Neutron Scattering. <i>Macromolecules</i> , 2013, 46, 9446-9454.	4.8	27
11	An Electrophilic Cleavage Procedure for the Asymmetric Dihydroxylation: Direct Enantioselective Synthesis of Cyclic Boronic Esters from Olefins. <i>Chemistry - A European Journal</i> , 2005, 11, 3951-3958.	3.3	25
12	Enantioselective Diamination of Alkenes by Use of a Bisimidoosmium Reagent with the Aid of Chiral Catalysts. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 704-712.	2.4	22
13	Hydrogen Bonding in a Reversible Comb Polymer Architecture: A Microscopic and Macroscopic Investigation. <i>Macromolecules</i> , 2016, 49, 5692-5703.	4.8	21
14	First osmium-catalysed ketamination of alkenes. <i>Chemical Communications</i> , 2005, , 3304.	4.1	19
15	Melt dynamics of supramolecular comb polymers: Viscoelastic and dielectric response. <i>Journal of Rheology</i> , 2017, 61, 1185-1196.	2.6	17
16	Synthesis and rheological behavior of poly(1,2-butylene oxide) based supramolecular architectures. <i>RSC Advances</i> , 2016, 6, 6093-6106.	3.6	15
17	2-Amino ketones from osmium-catalysed oxidations of alkenes. <i>Journal of Molecular Catalysis A</i> , 2006, 251, 277-285.	4.8	11
18	Making Water the Exciting Way: A Classroom Demonstration of Catalysis. <i>Journal of Chemical Education</i> , 2014, 91, 550-553.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Wissenschaftliche Arbeiten auf Englisch: Scientific English für Mediziner und Naturwissenschaftler. Von Christian Hrdina, Robert Hrdina. Langenscheid, München 2006. 152 Seiten, brosch. 24,90 Euro. ISBN 3-86117-257-7. Nachrichten Aus Der Chemie, 2006, 54, 1134-1134.	0.0	0