Stijn Van De Vyver

List of Publications by Year
in descending order

22 papers	2,982 citations	331670 21 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	2887 citing authors

#	Article	IF	Citations
1	Lewis acid catalysis on single site Sn centers incorporated into silica hosts. Coordination Chemistry Reviews, 2017, 343, 220-255.	18.8	87
2	Metalloenzymeâ€Like Zeolites as Lewis Acid Catalysts for Cï£¿C Bond Formation. Angewandte Chemie - International Edition, 2015, 54, 12554-12561.	13.8	75
3	Acidâ€“Base Pairs in Lewis Acidic Zeolites Promote Direct Aldol Reactions by Soft Enolization. Angewandte Chemie - International Edition, 2015, 54, 9835-9838.	13.8	148
4	Solid Lewis Acids Catalyze the Carbonâ€“Carbon Coupling between Carbohydrates and Formaldehyde. ACS Catalysis, 2015, 5, 972-977.	11.2	116
5	Insights into the stability of gold nanoparticles supported on metal oxides for the base-free oxidation of glucose to gluconic acid. Green Chemistry, 2014, 16, 719-726.	9.0	92
6	A Continuous Flow Strategy for the Coupled Transfer Hydrogenation and Etherification of 5â€(Hydroxymethyl)furfural using Lewis Acid Zeolites. ChemSusChem, 2014, 7, 2255-2265.	6.8	177
7	Regioselective synthesis of renewable bisphenols from 2,3-pentanedione and their application as plasticizers. Green Chemistry, 2014, 16, 1999-2007.	9.0	28
8	Conversion of (Ligno)Cellulose Feeds to Isosorbide with Heteropoly Acids and Ru on Carbon. ChemSusChem, 2013, 6, 199-208.	6.8	108
9	Emerging catalytic processes for the production of adipic acid. Catalysis Science and Technology, 2013, 3, 1465-1479.	4.1	266
10	Tailoring nanohybrids and nanocomposites for catalytic applications. Green Chemistry, 2013, 15, 1398.	9.0	82
11	Mechanistic Insights into the Kinetic and Regiochemical Control of the Thiol-Promoted Catalytic Synthesis of Diphenolic Acid. ACS Catalysis, 2012, 2, 2700-2704.	11.2	38
12	Thiol-promoted catalytic synthesis of diphenolic acid with sulfonated hyperbranched poly(arylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.1	64
13	Tuning the Acid/Metal Balance of Carbon Nanofiberâ€Supported Nickel Catalysts for Hydrolytic Hydrogenation of Cellulose. ChemSusChem, 2012, 5, 1549-1558.	6.8	131
14	Chemocatalytic conversion of cellulose: opportunities, advances and pitfalls. Catalysis Science and Technology, 2011, 1, 714.	4.1	220
15	Efficient hydrolytic hydrogenation of cellulose in the presence of Ru-loaded zeolites and trace amounts of mineral acid. Chemical Communications, 2011, 47, 5590-5592.	4.1	181
16	Catalytic production of levulinic acid from cellulose and other biomass-derived carbohydrates with sulfonated hyperbranched poly(arylene oxindole)s. Energy and Environmental Science, 2011, 4, 3601.	30.8	208
17	Hydrolytic hydrogenation of cellulose with hydrotreated caesium salts of heteropoly acids and Ru/C. Green Chemistry, 2011, 13, 2167.	9.0	125
18	Selective Bifunctional Catalytic Conversion of Cellulose over Reshaped Ni Particles at the Tip of Carbon Nanofibers. ChemSusChem, 2010, 3, 698-701.	6.8	171

#	Article	IF	Citations
19	Preparation of Pt on NaY zeolite catalysts for conversion of glycerol into 1,2-propanediol. Studies in Surface Science and Catalysis, 2010, 175, 771-774.	1.5	12
20	Efficient catalytic conversion of concentrated cellulose feeds to hexitols with heteropoly acids and Ru on carbon. Chemical Communications, 2010, 46, 3577.	4.1	236
21	Sulfonated silica/carbon nanocomposites as novel catalysts for hydrolysis of cellulose to glucose. Green Chemistry, 2010, 12, 1560.	9.0	286
22	Catalytic glycerol conversion into 1,2-propanediol in absence of added hydrogen. Chemical Communications, 2008, , 6011.	4.1	131