Antonella Angelini

List of Publications by Year
in descending order

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22	3,628	516215 16	676716 22
papers	citations	h-index	g-index

24	24	24	5191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalysis for the Valorization of Exhaust Carbon: from CO₂ to Chemicals, Materials, and Fuels. Technological Use of CO₂. Chemical Reviews, 2014, 114, 1709-1742.	23.0	2,428
2	The changing paradigm in CO2 utilization. Journal of CO2 Utilization, 2013, 3-4, 65-73.	3.3	366
3	Use of carbon dioxide as feedstock for chemicals and fuels: homogeneous and heterogeneous catalysis. Journal of Chemical Technology and Biotechnology, 2014, 89, 334-353.	1.6	181
4	Converting wastes into added value products: from glycerol to glycerol carbonate, glycidol and epichlorohydrin using environmentally friendly synthetic routes. Tetrahedron, 2011, 67, 1308-1313.	1.0	122
5	Influence of Al2O3 on the performance of CeO2 used as catalyst in the direct carboxylation of methanol to dimethylcarbonate and the elucidation of the reaction mechanism. Journal of Catalysis, 2010, 269, 44-52.	3.1	113
6	Synthesis, Characterization, and Use of Nb^V/Ce^{IV}â€Mixed Oxides in the Direct Carboxylation of Ethanol by using Pervaporation Membranes for Water Removal. Chemistry - A European Journal, 2012, 18, 10324-10334.	1.7	54
7	An integrated photocatalytic/enzymatic system for the reduction of CO₂ to methanol in bioglycerolâ€“water. Beilstein Journal of Organic Chemistry, 2014, 10, 2556-2565.	1.3	53
8	Conversion of fructose into 5-HMF: a study on the behaviour of heterogeneous cerium-based catalysts and their stability in aqueous media under mild conditions. RSC Advances, 2015, 5, 26941-26948.	1.7	42
9	The use of solar energy can enhance the conversion of carbon dioxide into energy-rich products: stepping towards artificial photosynthesis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120111.	1.6	41
10	Synthesis of Organic Carbonates. Advances in Inorganic Chemistry, 2014, 66, 25-81.	0.4	33
11	Catalytic Synthesis of Hydroxymethylâ€2â€oxazolidinones from Glycerol or Glycerol Carbonate and Urea. ChemSusChem, 2013, 6, 345-352.	3.6	25
12	Synthesis and characterization of a novel polystyrene-tethered niobium methoxo species. Its application in the CO2-based carboxylation of methanol to afford dimethyl carbonate. Applied Catalysis A: General, 2010, 387, 113-118.	2.2	22
13	Reaction Mechanisms in the Direct Carboxylation of Alcohols for the Synthesis of Acyclic Carbonates. Topics in Catalysis, 2015, 58, 2-14.	1.3	22
14	Carbonic Acid Diester Activation by Polymer-Bound DBU and Its Relevance to Catalytic N-Carbonylation of N-Heteroaromatics: Direct Evidence for an Elusive N-Carboxy-Substituted Amidinium Cation Intermediate. ACS Catalysis, 2014, 4, 195-202.	5.5	19
15	Converting â€œExhaustâ€•Carbon into â€œWorkingâ€•Carbon. Advances in Inorganic Chemistry, 2014, 66, 259-288.	0.4	18
16	The reaction mechanism in the ethanolysis of urea with transition metal-based catalysts: DFT calculations and experiments. Journal of CO2 Utilization, 2014, 8, 27-33.	3.3	18
17	Ceriumâ€Based Binary and Ternary Oxides in the Transesterification of Dimethylcarbonate with Phenol. ChemSusChem, 2014, 7, 1155-1161.	3.6	16
18	The Carbon Dioxide Molecule and the Effects of Its Interaction with Electrophiles and Nucleophiles. Topics in Organometallic Chemistry, 2015, , 1-38.	0.7	15

#	Article	IF	Citations
19	Synthesis of diethylcarbonate by ethanolysis of urea: A study on the recoverability and recyclability of new Zn-based heterogeneous catalysts. Applied Catalysis A: General, 2015, 493, 1-7.	2.2	14
20	Synthesis and X-ray characterization of [RhCl(C2H4)(PiPr3)]2. Multinuclear NMR and DFT investigation of its solid-state and solution reaction with dihydrogen. Ethene and propene hydrogenation by the solid Rh-hydrides. Dalton Transactions, 2009, , 7924.	1.6	9
21	Lipid extraction from sewage sludge using green biosolvent for sustainable biodiesel production. Journal of Cleaner Production, 2021, 329, 129643.	4.6	9
22	Synthesis of di-n-butyl carbonate from n-butanol: Comparison of the direct carboxylation with butanolysis of urea by using recyclable heterogeneous catalysts. Catalysis Today, 2017, 281, 371-378.	2.2	6