

# Antonella Angelini

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

3,628  
citations

516215

16  
h-index

676716

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

5191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid extraction from sewage sludge using green biosolvent for sustainable biodiesel production. <i>Journal of Cleaner Production</i> , 2021, 329, 129643.	4.6	9
2	Synthesis of di-n-butyl carbonate from n-butanol: Comparison of the direct carboxylation with butanolysis of urea by using recyclable heterogeneous catalysts. <i>Catalysis Today</i> , 2017, 281, 371-378.	2.2	6
3	Reaction Mechanisms in the Direct Carboxylation of Alcohols for the Synthesis of Acyclic Carbonates. <i>Topics in Catalysis</i> , 2015, 58, 2-14.	1.3	22
4	Synthesis of diethylcarbonate by ethanolysis of urea: A study on the recoverability and recyclability of new Zn-based heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2015, 493, 1-7.	2.2	14
5	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. <i>RSC Advances</i> , 2015, 5, 26941-26948.	1.7	42
6	The Carbon Dioxide Molecule and the Effects of Its Interaction with Electrophiles and Nucleophiles. <i>Topics in Organometallic Chemistry</i> , 2015, , 1-38.	0.7	15
7	Cerium-Based Binary and Ternary Oxides in the Transesterification of Dimethylcarbonate with Phenol. <i>ChemSusChem</i> , 2014, 7, 1155-1161.	3.6	16
8	An integrated photocatalytic/enzymatic system for the reduction of CO <sub>2</sub> to methanol in bioglycerol-water. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2556-2565.	1.3	53
9	Catalysis for the Valorization of Exhaust Carbon: from CO <sub>2</sub> to Chemicals, Materials, and Fuels. <i>Technological Use of CO<sub>2</sub></i> . <i>Chemical Reviews</i> , 2014, 114, 1709-1742.	23.0	2,428
10	Synthesis of Organic Carbonates. <i>Advances in Inorganic Chemistry</i> , 2014, 66, 25-81.	0.4	33
11	Converting "Exhaust" Carbon into "Working" Carbon. <i>Advances in Inorganic Chemistry</i> , 2014, 66, 259-288.	0.4	18
12	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. <i>ACS Catalysis</i> , 2014, 4, 195-202.	5.5	19
13	The reaction mechanism in the ethanolysis of urea with transition metal-based catalysts: DFT calculations and experiments. <i>Journal of CO<sub>2</sub> Utilization</i> , 2014, 8, 27-33.	3.3	18
14	Use of carbon dioxide as feedstock for chemicals and fuels: homogeneous and heterogeneous catalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 334-353.	1.6	181
15	The changing paradigm in CO <sub>2</sub> utilization. <i>Journal of CO<sub>2</sub> Utilization</i> , 2013, 3-4, 65-73.	3.3	366
16	Catalytic Synthesis of Hydroxymethyl-oxazolidinones from Glycerol or Glycerol Carbonate and Urea. <i>ChemSusChem</i> , 2013, 6, 345-352.	3.6	25
17	The use of solar energy can enhance the conversion of carbon dioxide into energy-rich products: stepping towards artificial photosynthesis. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120111.	1.6	41
18	Synthesis, Characterization, and Use of Nb <sup>V</sup> /Ce <sup>IV</sup> -Mixed Oxides in the Direct Carboxylation of Ethanol by using Pervaporation Membranes for Water Removal. <i>Chemistry - A European Journal</i> , 2012, 18, 10324-10334.	1.7	54

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19	Converting wastes into added value products: from glycerol to glycerol carbonate, glycidol and epichlorohydrin using environmentally friendly synthetic routes. <i>Tetrahedron</i> , 2011, 67, 1308-1313.	1.0	122
20	Influence of Al <sub>2</sub> O <sub>3</sub> on the performance of CeO <sub>2</sub> used as catalyst in the direct carboxylation of methanol to dimethylcarbonate and the elucidation of the reaction mechanism. <i>Journal of Catalysis</i> , 2010, 269, 44-52.	3.1	113
21	Synthesis and characterization of a novel polystyrene-tethered niobium methoxo species. Its application in the CO <sub>2</sub> -based carboxylation of methanol to afford dimethyl carbonate. <i>Applied Catalysis A: General</i> , 2010, 387, 113-118.	2.2	22
22	Synthesis and X-ray characterization of [RhCl(C <sub>2</sub> H <sub>4</sub> )(PiPr <sub>3</sub> ) <sub>2</sub> ]. Multinuclear NMR and DFT investigation of its solid-state and solution reaction with dihydrogen. Ethene and propene hydrogenation by the solid Rh-hydrides. <i>Dalton Transactions</i> , 2009, , 7924.	1.6	9