Fabio AricÃ²

List of Publications by Year
in descending order

74 papers	2,350 citations	236925 25 h-index	243625 44 g-index
85 all docs	85 docs citations	85 times ranked	2137 citing authors

#	Article	IF	Citations
1	The reactions of dimethyl carbonate and its derivatives. Green Chemistry, 2018, 20, 28-85.	9.0	184
2	Templated Synthesis of Interlocked Molecules. Topics in Current Chemistry, 0, , 203-259.	4.0	176
3	Dimethyl carbonate as a modern green reagent and solvent. Russian Chemical Reviews, 2010, 79, 479-489.	6.5	152
4	Template-Directed Dynamic Synthesis of Mechanically Interlocked Dendrimers. Journal of the American Chemical Society, 2005, 127, 5808-5810.	13.7	126
5	Template-Directed Synthesis of Multiply Mechanically Interlocked Molecules Under Thermodynamic Control. Chemistry - A European Journal, 2005, 11, 4655-4666.	3.3	118
6	Green Synthesis of Dimethyl Isosorbide. ChemSusChem, 2010, 3, 566-570.	6.8	104
7	Dimethyl Isosorbide As a Green Solvent for Sustainable Ultrafiltration and Microfiltration Membrane Preparation. ACS Sustainable Chemistry and Engineering, 2020, 8, 659-668.	6.7	90
8	Template-Directed Synthesis of Mechanically Interlocked Molecular Bundles Using Dynamic Covalent Chemistry. Organic Letters, 2006, 8, 3899-3902.	4.6	87
9	Multiphase oxidation of alcohols and sulfides with hydrogen peroxide catalyzed by heteropolyacids. Catalysis Communications, 2010, 11, 1181-1184.	3.3	70
10	Synthesis of a [2]Catenane around a Ru(diimine)32+Scaffold by Ring-Closing Metathesis of Olefins. Organic Letters, 2003, 5, 1887-1890.	4.6	65
11	Dynamic Mechanically Interlocked Dendrimers:Â Amplification in Dendritic Dynamic Combinatorial Libraries. Macromolecules, 2007, 40, 3951-3959.	4.8	57
12	Synthesis of Fiveâ€Membered Cyclic Ethers by Reaction of 1,4â€Diols with Dimethyl Carbonate. ChemSusChem, 2012, 5, 1578-1586.	6.8	57
13	Pseudorotaxanes and Rotaxanes Formed by Viologen Derivatives. European Journal of Organic Chemistry, 2006, 2006, 1857-1866.	2.4	52
14	Synthesis of dialkyl ethers by decarboxylation of dialkyl carbonates. Green Chemistry, 2008, 10, 1182.	9.0	50
15	Reaction of the Ambident Electrophile Dimethyl Carbonate with the Ambident Nucleophile Phenylhydrazine. Journal of Organic Chemistry, 2008, 73, 1559-1562.	3.2	44
16	Isosorbide and dimethyl carbonate: a green match. Beilstein Journal of Organic Chemistry, 2016, 12, 2256-2266.	2.2	42
17	Synthesis of five- and six-membered heterocycles by dimethyl carbonate with catalytic amounts of nitrogen bicyclic bases. Green Chemistry, 2015, 17, 1176-1185.	9.0	40
18	Highly Selective Phosgene-Free Carbamoylation of Aniline by Dimethyl Carbonate under Continuous-Flow Conditions. Organic Process Research and Development, 2013, 17, 679-683.	2.7	39

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19	One-pot oximationâ€“Beckmann rearrangement of ketones and aldehydes to amides of industrial interest: Acetanilide, caprolactam and acetaminophen. Catalysis Communications, 2014, 49, 47-51.	3.3	37
20	Insight into the Hardâˆ'Soft Acidâˆ'Base Properties of Differently Substituted Phenylhydrazines in Reactions with Dimethyl Carbonate. Journal of Physical Chemistry B, 2008, 112, 14525-14529.	2.6	34
21	5-Membered N-heterocyclic compounds by dimethyl carbonate chemistry. Green Chemistry, 2012, 14, 58-61.	9.0	33
22	Isosorbide as biobased platform chemical: Recent advances. Current Opinion in Green and Sustainable Chemistry, 2020, 21, 82-88.	5.9	33
23	Synthesis of Carbamates from Amines and Dialkyl Carbonates: Influence of Leaving and Entering Groups. Synlett, 2010, 2010, 1567-1571.	1.8	30
24	Phosgene-free carbamoylation of aniline via dimethyl carbonate. Pure and Applied Chemistry, 2011, 84, 695-705.	1.9	28
25	Oneâ€Pot Preparation of Dimethyl Isosorbide from <scp>d</scp>â€Sorbitol via Dimethyl Carbonate Chemistry. ChemSusChem, 2017, 10, 53-57.	6.8	28
26	Reaction of dialkyl carbonates with alcohols: Defining a scale of the best leaving and entering groups. Pure and Applied Chemistry, 2009, 81, 1971-1979.	1.9	27
27	Sulfur and Nitrogen Mustard Carbonate Analogues. European Journal of Organic Chemistry, 2012, 2012, 3223-3228.	2.4	27
28	Purolite-Catalyzed Etherification of 2,5-Bis(hydroxymethyl)furan: A Systematic Study. ACS Sustainable Chemistry and Engineering, 2019, 7, 10221-10226.	6.7	27
29	The stability of imine-containing dynamic [2]rotaxanes to hydrolysis. Organic and Biomolecular Chemistry, 2010, 8, 83-89.	2.8	26
30	Cyclization reaction of amines with dialkyl carbonates to yield 1,3-oxazinan-2-ones. Pure and Applied Chemistry, 2011, 84, 707-719.	1.9	26
31	A Comparative Environmental Assessment for the Synthesis of 1,3-Oxazin-2-one by Metrics: Greenness Evaluation and Blind Spots. ACS Sustainable Chemistry and Engineering, 2014, 2, 1056-1062.	6.7	25
32	An Easy Scalable Approach to HMF Employing DMC as Reaction Media: Reaction Optimization and Comparative Environmental Assessment. ChemistrySelect, 2018, 3, 2359-2365.	1.5	23
33	Methylation of 2-Naphthol Using Dimethyl Carbonate under Continuous-Flow Gas-Phase Conditions. Journal of Chemical Education, 2010, 87, 1233-1235.	2.3	21
34	Multiphase Oxidation of Aniline to Nitrosobenzene with Hydrogen Peroxide Catalyzed by Heteropolyacids. Synlett, 2008, 2008, 967-970.	1.8	20
35	Self-catalyzed direct amidation of ketones: A sustainable procedure for acetaminophen synthesis. Catalysis Communications, 2014, 54, 11-16.	3.3	20
36	Dimethyl Carbonate: Green Solvent and Ambident Reagent. , 2008, , 213-232.		19

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37	Chemical Behavior and Reaction Kinetics of Sulfur and Nitrogen Half-Mustard and Iprit Carbonate Analogues. ACS Sustainable Chemistry and Engineering, 2013, 1, 1319-1325.	6.7	19
38	Dialkyl Carbonates in the Green Synthesis of Heterocycles. Frontiers in Chemistry, 2019, 7, 300.	3.6	19
39	Synthesis of 2,5-furandicarboxylic acid dimethyl ester from galactaric acid <i>via</i> dimethyl carbonate chemistry. Green Chemistry, 2022, 24, 2766-2771.	9.0	18
40	Dimethyl isosorbide <i>via</i> organocatalyst <i>N</i>-methyl pyrrolidine: scaling up, purification and concurrent reaction pathways. Catalysis Science and Technology, 2021, 11, 3411-3421.	4.1	17
41	1,3-Oxazinan-2-ones from Amines and 1,3-Diols through Dialkyl Carbonate Chemistry. Synlett, 2012, 23, 1809-1815.	1.8	16
42	Dimethyl Carbonate as a Sacrificial Molecule for the Synthesis of 5â€Memebered <i>N</i>â€•and <i>O</i>â€Heterocycles. Journal of the Chinese Chemical Society, 2012, 59, 1375-1384.	1.4	16
43	One-step syntheses of very large cage-type molecules from aromatic sub-unitsElectronic supplementary data (ESI) available: analytical and spectroscopic data for compounds 3â€“5 and 8. See http://www.rsc.org/suppdata/cc/b1/b108124c/. Chemical Communications, 2001, , 2574-2575.	4.1	15
44	Intramolecular cyclisation of isosorbide by dimethylcarbonate chemistry. Comptes Rendus Chimie, 2011, 14, 652-655.	0.5	15
45	Microfabrication of high-performance aromatic polymers as nanotubes or fibrils by in situ ring-opening polymerisation of macrocyclic precursors. Journal of Materials Chemistry, 2003, 13, 1504-1506.	6.7	13
46	Azacrown Ethers from Mustard Carbonate Analogues. ChemPlusChem, 2015, 80, 471-474.	2.8	12
47	1,3-Oxazinan-2-ones via carbonate chemistry: a facile, high yielding synthetic approach. Pure and Applied Chemistry, 2016, 88, 227-237.	1.9	12
48	Alkyl carbonate derivatives of furanics: A family of bio-based stable compounds. Sustainable Chemistry and Pharmacy, 2021, 19, 100352.	3.3	12
49	Î²-Aminocarbonates in Regioselective and Ring Expansion Reactions. Journal of Organic Chemistry, 2018, 83, 236-243.	3.2	11
50	Fully renewable photocrosslinkable polycarbonates from cellulose-derived monomers. Green Chemistry, 2022, 24, 2871-2881.	9.0	11
51	Behaviour of iprit carbonate analogues in solventless reactions. RSC Advances, 2014, 4, 31071-31078.	3.6	9
52	Acid Catalyzed Direct-Amidationâ€“Dehydrocyclization of 2-Hydroxy-acetophenones to Benzoxazoles by a One-Pot Sustainable Synthesis. Catalysis Letters, 2015, 145, 939-946.	2.6	9
53	Mustard carbonate analogues. Pure and Applied Chemistry, 2016, 88, 3-16.	1.9	9
54	Synthetic approaches to 2,5-bis(hydroxymethyl)furan (BHMF): a stable bio-based diol. Pure and Applied Chemistry, 2021, 93, 551-560.	1.9	9

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55	Sustainable Hyperbranched Functional Materials via Green Polymerization of Readily Accessible Levoglucosenoneâ€Derived Monomers. Macromolecular Rapid Communications, 2021, 42, e2100284.	3.9	8
56	Straightforward, metal-free, and stereoselective synthesis of 9-oxo- and 10-hydroxy-2(E)-decenoic acids, important components of honeybee (Apis mellifera) secretions. RSC Advances, 2012, 2, 5229.	3.6	7
57	Mustard Carbonate Analogues: Influence of the Leaving Group on the Neighboring Effect. ACS Sustainable Chemistry and Engineering, 2016, 4, 2843-2851.	6.7	7
58	An innovative and sustainable approach to spray paint graffiti removal from Istrian stone through the silica sol-gel chemistry: A preliminary assessment. Journal of Cultural Heritage, 2019, 36, 268-274.	3.3	7
59	Non-covalent dimerisation of a bicyclic aromatic oligomer via loopâ€"loop interlocking in the solid state. New Journal of Chemistry, 2002, 26, 1703-1705.	2.8	6
60	Keggin heteropolyacid as catalyst for olefin epoxidation: A multiphase approach. Sustainable Chemistry and Pharmacy, 2020, 15, 100201.	3.3	5
61	Mustard Carbonate Analogues as Sustainable Reagents for the Aminoalkylation of Phenols. European Journal of Organic Chemistry, 2021, 2021, 3459-3464.	2.4	4
62	Alkyl Levulinates from Furfuryl Alcohol Using CT151 Purolite as Heterogenous Catalyst: Optimization, Purification, and Recycling. Sustainable Chemistry, 2021, 2, 493-505.	4.7	4
63	The neighbouring effect of isosorbide and its epimers in their reactions with dimethyl carbonate. ScienceOpen Research, 2014, .	0.6	4
64	Editorial: Green Synthesis of Heterocycles. Frontiers in Chemistry, 2020, 8, 74.	3.6	4
65	A scale-up procedure to dialkyl carbonates; evaluation of their properties, biodegradability, and toxicity. Sustainable Chemistry and Pharmacy, 2022, 26, 100639.	3.3	4
66	5-Membered cyclic ethers via phenonium ion mediated cyclization through carbonate chemistry. Pure and Applied Chemistry, 2018, 90, 93-107.	1.9	3
67	The neighbouring effect of isosorbide and its epimers in their reactions with dimethyl carbonate. ScienceOpen Research, 0, , .	0.6	2
68	Benzo-Fused 1,4-Heterocycles via Dialkyl Carbonate Chemistry. Synthesis, 2019, 51, 1770-1778.	2.3	1
69	Microwave-assisted aminoalkylation of phenols via mustard carbonate analogues. Synthesis, 0, , .	2.3	1
70	Linear and Cyclic Carbamates via Dialkyl Carbonate Chemistry. , 2016, , 509-529.		0
71	Catechol-based macrocyclic aromatic ether-sulfones: synthesis, characterization and ring-opening polymerization. Arkivoc, 2022, 2021, 13-25.	0.5	0
72	Replacement of Toxic Feedstocks in Chemical Synthesis. , 2019, , 257-283.		0

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73	Replacement of Toxic Feedstocks in Chemical Synthesis. , 2019, , 1-28.		0
74	Unravelling the crystal and molecular structure of a 1,3-linked aromatic poly(ether-ketone). Materials Today Chemistry, 2022, 24, 100853.	3.5	0