Domenico Licursi

List of Publications by Year
in descending order

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29 papers	1,105 citations	331670 21 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	1367 citing authors

#	Article	IF	Citations
1	New Frontiers in the Catalytic Synthesis of Levulinic Acid: From Sugars to Raw and Waste Biomass as Starting Feedstock. Catalysts, 2016, 6, 196.	3.5	180
2	Microwave-assisted dehydration of fructose and inulin to HMF catalyzed by niobium and zirconium phosphate catalysts. Applied Catalysis B: Environmental, 2017, 206, 364-377.	20.2	101
3	LEVULINIC ACID PRODUCTION FROM WASTE BIOMASS. BioResources, 2012, 7, .	1.0	63
4	Insight into the hydrogenation of pure and crude HMF to furan diols using Ru/C as catalyst. Applied Catalysis A: General, 2019, 578, 122-133.	4.3	61
5	Hydrothermal Conversion of Giant Reed to Furfural and Levulinic Acid: Optimization of the Process under Microwave Irradiation and Investigation of Distinctive Agronomic Parameters. Molecules, 2015, 20, 21232-21253.	3.8	51
6	In-depth characterization of valuable char obtained from hydrothermal conversion of hazelnut shells to levulinic acid. Bioresource Technology, 2017, 244, 880-888.	9.6	48
7	Cascade Strategy for the Tunable Catalytic Valorization of Levulinic Acid and Î³-Valerolactone to 2-Methyltetrahydrofuran and Alcohols. Catalysts, 2018, 8, 277.	3.5	48
8	Amberlyst A-70: A surprisingly active catalyst for the MW-assisted dehydration of fructose and inulin to HMF in water. Catalysis Communications, 2017, 97, 146-150.	3.3	46
9	Characterization of the Arundo Donax L. solid residue from hydrothermal conversion: Comparison with technical lignins and application perspectives. Industrial Crops and Products, 2015, 76, 1008-1024.	5.2	43
10	Tunable copper-hydrotalcite derived mixed oxides for sustainable ethanol condensation to n-butanol in liquid phase. Journal of Cleaner Production, 2019, 209, 1614-1623.	9.3	43
11	Midinfrared FT-IR as a Tool for Monitoring Herbaceous Biomass Composition and Its Conversion to Furfural. Journal of Spectroscopy, 2015, 2015, 1-12.	1.3	42
12	Heterogeneous catalysis for the ketalisation of ethyl levulinate with 1,2-dodecanediol: Opening the way to a new class of bio-degradable surfactants. Catalysis Communications, 2016, 73, 84-87.	3.3	36
13	Monitoring/characterization of stickies contaminants coming from a papermaking plant â€“ Toward an innovative exploitation of the screen rejects to levulinic acid. Waste Management, 2016, 49, 469-482.	7.4	34
14	One-Pot Alcoholysis of the Lignocellulosic Eucalyptus nitens Biomass to n-Butyl Levulinate, a Valuable Additive for Diesel Motor Fuel. Catalysts, 2020, 10, 509.	3.5	33
15	Multi-valorisation of giant reed (Arundo Donax L.) to give levulinic acid and valuable phenolic antioxidants. Industrial Crops and Products, 2018, 112, 6-17.	5.2	30
16	A Biorefinery Cascade Conversion of Hemicellulose-Free Eucalyptus Globulus Wood: Production of Concentrated Levulinic Acid Solutions for Î³-Valerolactone Sustainable Preparation. Catalysts, 2018, 8, 169.	3.5	29
17	Direct Alcoholysis of Carbohydrate Precursors and Real Cellulosic Biomasses to Alkyl Levulinates: A Critical Review. Catalysts, 2020, 10, 1221.	3.5	29
18	Exploitation of Arundo donax L. Hydrolysis Residue for the Green Synthesis of Flexible Polyurethane Foams. BioResources, 2017, 12, .	1.0	26

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19	Tunable HMF hydrogenation to furan diols in a flow reactor using Ru/C as catalyst. Journal of Industrial and Engineering Chemistry, 2021, 100, 390.e1-390.e9.	5.8	24
20	Multi-Step Exploitation of Raw Arundo donax L. for the Selective Synthesis of Second-Generation Sugars by Chemical and Biological Route. Catalysts, 2020, 10, 79.	3.5	23
21	Turning Point toward the Sustainable Production of 5-Hydroxymethyl-2-furaldehyde in Water: Metal Salts for Its Synthesis from Fructose and Inulin. ACS Sustainable Chemistry and Engineering, 2019, 7, 6830-6838.	6.7	22
22	A novel approach to biphasic strategy for intensification of the hydrothermal process to give levulinic acid: Use of an organic non-solvent. Bioresource Technology, 2018, 264, 180-189.	9.6	19
23	Py-GC/MS and HPLC-DAD characterization of hazelnut shell and cuticle: Insights into possible re-evaluation of waste biomass. Journal of Analytical and Applied Pyrolysis, 2017, 127, 321-328.	5.5	18
24	Application of microwave irradiation for the removal of polychlorinated biphenyls from siloxane transformer and hydrocarbon engine oils. Chemosphere, 2016, 159, 72-79.	8.2	17
25	New Intensification Strategies for the Direct Conversion of Real Biomass into Platform and Fine Chemicals: What Are the Main Improvable Key Aspects?. Catalysts, 2020, 10, 961.	3.5	16
26	Sustainable Exploitation of Residual Cynara cardunculus L. to Levulinic Acid and n-Butyl Levulinate. Catalysts, 2021, 11, 1082.	3.5	11
27	FT-IR Investigation of the Structural Changes of Sulcis and South Africa Coals under Progressive Heating in Vacuum: Correlation with Volatile Matter. Journal of Combustion, 2013, 2013, 1-14.	1.0	4
28	Production of Levulinic Acid and n-Butyl Levulinate from the Waste Biomasses Grape Pomace and Cynara Cardunculus L.. , 0, , .		1
29	Advances in the Catalytic Conversion of Biomass Components to Ester Derivatives: Challenges and Opportunities. Catalysts, 2022, 12, 455.	3.5	1