

# Francesca Liguori

## List of Publications by Year in descending order

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36  
papers

1,607  
citations

346980

22  
h-index

388640

36  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-phase synthesis of methyl isobutyl ketone over bifunctional heterogeneous catalysts comprising cross-linked perfluorinated sulfonic acid Aquivion polymers and supported Pd nanoparticles. <i>Applied Catalysis A: General</i> , 2021, 610, 117957.	2.2	5
2	Valorisation of plastic waste via metal-catalysed depolymerisation. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 589-621.	1.3	27
3	Physicochemical properties and sorption capacities of sawdust-based biochars and commercial activated carbons towards ethoxylated alkylphenols and their phenolic metabolites in effluent wastewater from a textile district. <i>Science of the Total Environment</i> , 2020, 708, 135217.	3.9	27
4	Biomass-derived chemical substitutes for bisphenol A: recent advancements in catalytic synthesis. <i>Chemical Society Reviews</i> , 2020, 49, 6329-6363.	18.7	87
5	Sustainable Catalytic Synthesis for a Bio-Based Alternative to the Reach-Restricted N-Methyl-2-Pyrrolidone. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900117.	2.7	10
6	Continuous-Flow Oxidation of HMF to FDCA by Resin-Supported Platinum Catalysts in Neat Water. <i>ChemSusChem</i> , 2019, 12, 2558-2563.	3.6	56
7	Sustainable processes for the catalytic synthesis of safer chemical substitutes of N-methyl-2-pyrrolidone. <i>Molecular Catalysis</i> , 2019, 466, 60-69.	1.0	27
8	Hydrodynamic cavitation as an energy efficient process to increase biochar surface area and porosity: A case study. <i>Journal of Cleaner Production</i> , 2019, 210, 159-169.	4.6	37
9	Robust Zirconium Phosphate-Phosphonate Nanosheets Containing Palladium Nanoparticles as Efficient Catalyst for Alkynes and Nitroarenes Hydrogenation Reactions. <i>ACS Applied Nano Materials</i> , 2018, 1, 1750-1757.	2.4	24
10	Continuous flow catalytic partial hydrogenation of hydrocarbons and alcohols over hybrid Pd/ZrO <sub>2</sub> /PVA wall reactors. <i>Applied Catalysis A: General</i> , 2018, 558, 34-43.	2.2	8
11	Unconventional Pd@Sulfonated Silica Monoliths Catalysts for Selective Partial Hydrogenation Reactions under Continuous Flow. <i>ChemCatChem</i> , 2017, 9, 3245-3258.	1.8	22
12	Selective, aerobic oxidation reaction of alcohols by hybrid Pd/ZrO <sub>2</sub> /PVA catalytic membranes. <i>Applied Catalysis A: General</i> , 2017, 530, 217-225.	2.2	10
13	Metal Nanoparticles Supported on Perfluorinated Superacid Polymers: A Family of Bifunctional Catalysts for the Selective, One-Pot Conversion of Vegetable Substrates in Water. <i>ChemCatChem</i> , 2017, 9, 4256-4267.	1.8	18
14	Continuous-flow processes for the catalytic partial hydrogenation reaction of alkynes. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 734-754.	1.3	49
15	Selective direct conversion of C <sub>5</sub> and C <sub>6</sub> sugars to high added-value chemicals by a bifunctional, single catalytic body. <i>Green Chemistry</i> , 2016, 18, 2935-2940.	4.6	44
16	Performance Assessment in Fingerprinting and Multi Component Quantitative NMR Analyses. <i>Analytical Chemistry</i> , 2015, 87, 6709-6717.	3.2	45
17	A mild route to solid-supported rhodium nanoparticle catalysts and their application to the selective hydrogenation reaction of substituted arenes. <i>Catalysis Science and Technology</i> , 2015, 5, 3762-3772.	2.1	17
18	Environmentally Friendly Synthesis of $\gamma$ -Valerolactone by Direct Catalytic Conversion of Renewable Sources. <i>ACS Catalysis</i> , 2015, 5, 1882-1894.	5.5	182

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19	Metal nanoparticles immobilized on ion-exchange resins: A versatile and effective catalyst platform for sustainable chemistry. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1157-1169.	6.9	38
20	Green semi-hydrogenation of alkynes by Pd@borate monolith catalysts under continuous flow. <i>Journal of Catalysis</i> , 2014, 311, 212-220.	3.1	53
21	Progress in Understanding of the Interactions between Functionalized Polyolefins and Organoâ€‹layered Double Hydroxides. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 122-133.	0.9	6
22	Continuous flow synthesis of Rh and Pd nanoparticles onto ion-exchange borate monoliths: application to selective catalytic hydrogenation of unsaturated carbonyl compounds under flow conditions. <i>Catalysis Science and Technology</i> , 2014, 4, 3835-3839.	2.1	13
23	Continuous flow hydrogenation reactions by Pd catalysts onto hybrid ZrO <sub>2</sub> /PVA materials. <i>Applied Catalysis A: General</i> , 2014, 488, 58-65.	2.2	11
24	Partial hydrogenation reactions over Pd-containing hybrid inorganic/polymeric catalytic membranes. <i>Applied Catalysis A: General</i> , 2013, 459, 81-88.	2.2	15
25	Strong Cation Exchange with Innocence: Synthesis and Characterization of Borate Containing Resins and Macroporous Monoliths. <i>Macromolecules</i> , 2013, 46, 5423-5433.	2.2	8
26	In situ generation of resin-supported Pd nanoparticles under mild catalytic conditions: a green route to highly efficient, reusable hydrogenation catalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 2279.	2.1	47
27	Facile heterogeneous catalytic hydrogenations of C=C and C=O bonds in neat water: anchoring of water-soluble metal complexes onto ion-exchange resins. <i>Green Chemistry</i> , 2012, 14, 3211.	4.6	49
28	Heterogeneous Bifunctional Metal/Acid Catalysts for Selective Chemical Processes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3807-3823.	1.0	65
29	Enantioselective hydrogenation of prochiral substrates in catalytic membrane reactors. <i>Catalysis Science and Technology</i> , 2011, 1, 226.	2.1	5
30	Design and Use of Nanostructured Single-Site Heterogeneous Catalysts for the Selective Transformation of Fine Chemicals. <i>Molecules</i> , 2010, 15, 3829-3856.	1.7	60
31	Emerging strategies in sustainable fine-chemical synthesis: asymmetric catalysis by metal nanoparticles. <i>Dalton Transactions</i> , 2010, 39, 8391.	1.6	42
32	Ion Exchange Resins: Catalyst Recovery and Recycle. <i>Chemical Reviews</i> , 2009, 109, 515-529.	23.0	292
33	Ethyleneâ€‹based copolymers with tunable content of polymerizable hindered phenols as nonreleasing macromolecular additives. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6393-6406.	2.5	34
34	A New Scaffold for the Stereoselective Synthesis of Î±-O-Linked Glycopeptide Mimetics. <i>Journal of Organic Chemistry</i> , 2004, 69, 6153-6155.	1.7	15
35	Total syntheses of hyacinthacine A <sub>2</sub> and 7-deoxycasuarine by cycloaddition to a carbohydrate derived nitrone. <i>Tetrahedron Letters</i> , 2003, 44, 2315-2318.	0.7	141
36	Totally Stereoselective Synthesis of 1,3-Disaccharides through Dielsâ€‹Alder Reactionsâ€‹. <i>Journal of Organic Chemistry</i> , 2003, 68, 8529-8533.	1.7	17