Maria Jos Climent

List of Publications by Year in Descending Order

77 papers	5,556 citations	34 h-index	74 g-index
92 ext. papers	6,035 ext. citations	8.1 avg, IF	5.97 L-index

#	Paper	IF	Citations
77	Biomass Processing via Base Catalysis **2021**, 57-80		
76	Bimetallic CuFe nanoparticles as active and stable catalysts for chemoselective hydrogenation of biomass-derived platform molecules. *Catalysis Science and Technology*, **2021**, 11, 3353-3363	5.5	2
75	Synthesis of a hybrid Pd0/Pd-carbide/carbon catalyst material with high selectivity for hydrogenation reactions. *Journal of Catalysis*, **2020**, 389, 706-713	7.3	7
74	Production of chiral alcohols from racemic mixtures by integrated heterogeneous chemoenzymatic catalysis in fixed bed continuous operation. *Green Chemistry*, **2020**, 22, 2767-2777	10	11
73	Chemoenzymatic Synthesis of 5-Hydroxymethylfurfural (HMF)-Derived Plasticizers by Coupling HMF Reduction with Enzymatic Esterification. *ChemSusChem*, **2020**, 13, 1864-1875	8.3	13
72	Covalent Immobilization of Naringinase over Two-Dimensional 2D Zeolites and its Applications in a Continuous Process to Produce Citrus Flavonoids and for Debittering of Juices. *ChemCatChem*, **2020**, 12, 4502-4511	5.2	7
71	Transforming Methyl Levulinate into Biosurfactants and Biolubricants by Chemoselective Reductive Etherification with Fatty Alcohols. *ChemSusChem*, **2020**, 13, 707-714	8.3	11
70	Chemicals from Biomass: Selective Synthesis of N-Substituted Furfuryl Amines by the One-Pot Direct Reductive Amination of Furanic Aldehydes. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6243-6250	8.3	34
69	Mutual Valorization of 5-Hydroxymethylfurfural and Glycerol into Valuable Diol Monomers with Solid Acid Catalysts. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4239-4245	8.3	27
68	One-Pot Synthesis of Biomass-Derived Surfactants by Reacting Hydroxymethylfurfural, Glycerol, and Fatty Alcohols on Solid Acid Catalysts. *ChemSusChem*, **2018**, 11, 2870-2880	8.3	15
67	Polymers from biomass: one pot two-step synthesis of furilydenepropanenitrile derivatives with MIL-100(Fe) catalyst. *Catalysis Science and Technology*, **2017**, 7, 3008-3016	5.5	25
66	One-Pot Selective Catalytic Synthesis of Pyrrolidone Derivatives from Ethyl Levulinate and Nitro Compounds. *ChemSusChem*, **2017**, 10, 119-128	8.3	41
65	Transformation of Cellulose into Nonionic Surfactants Using a One-Pot Catalytic Process. *ChemSusChem*, **2016**, 9, 3492-3502	8.3	17
64	Chemicals from Biomass: Synthesis of Biologically Active Furanochalcones by Claisen–Schmidt Condensation of Biomass-Derived 5-hydroxymethylfurfural (HMF) with Acetophenones. *Topics in Catalysis*, **2016**, 59, 1257-1265	2.3	14
63	Two-Dimensional ITQ-2 Zeolite for Biomass Transformation: Synthesis of Alkyl 5-Benzyl-2-furoates as Intermediates for Fine Chemicals. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6152-6159	8.3	19
62	Heteropolycompounds as catalysts for biomass product transformations. *Catalysis Reviews - Science and Engineering*, **2016**, 58, 497-586	12.6	40
61	Nanocrystalline CeO2 as a Highly Active and Selective Catalyst for the Dehydration of Aldoximes to Nitriles and One-Pot Synthesis of Amides and Esters. *ACS Catalysis*, **2016**, 6, 4564-4575	13.1	23

60	Use of Mesoporous Molecular Sieves in the Production of Fine Chemicals: Preparation of Dihydroquinolinones of Pharmaceutical Interest From 2?-Aminochalcones. *ChemCatChem*, **2016**, 8, 1335-1345	5.2	1
59	Chemicals from Biomass: Chemoselective Reductive Amination of Ethyl Levulinate with Amines. *ACS Catalysis*, **2015**, 5, 5812-5821	13.1	70
58	Process Intensification with Bifunctional Heterogeneous Catalysts: Selective One-Pot Synthesis of 2?-Aminochalcones. *ACS Catalysis*, **2015**, 5, 157-166	13.1	14
57	Synthesis of high quality alkyl naphthenic kerosene by reacting an oil refinery with a biomass refinery stream. *Energy and Environmental Science*, **2015**, 8, 317-331	35.4	64
56	Postsynthesis-Treated Iron-Based Metal-Organic Frameworks as Selective Catalysts for the Sustainable Synthesis of Nitriles. *ChemSusChem*, **2015**, 8, 3270-82	8.3	14
55	Solid catalysts for multistep reactions: one-pot synthesis of 2,3-dihydro-1,5-benzothiazepines with solid acid and base catalysts. *ChemSusChem*, **2014**, 7, 1177-85	8.3	12
54	Heterogeneous Catalysis for Tandem Reactions. *ACS Catalysis*, **2014**, 4, 870-891	13.1	250
53	Conversion of biomass platform molecules into fuel additives and liquid hydrocarbon fuels. *Green Chemistry*, **2014**, 16, 516	10	983
52	Biomass-derived chemicals: synthesis of biodegradable surfactant ether molecules from hydroxymethylfurfural. *ChemSusChem*, **2014**, 7, 210-20	8.3	46
51	Bifunctional acidBase ionic liquid for the one-pot synthesis of fine chemicals: Thioethers, 2H-chromenes and 2H-quinoline derivatives. *Applied Catalysis A: General*, **2014**, 481, 27-38	5.1	16
50	From biomass to chemicals: synthesis of precursors of biodegradable surfactants from 5-hydroxymethylfurfural. *ChemSusChem*, **2013**, 6, 123-31	8.3	49
49	Preparation of glycerol carbonate esters by using hybrid Nafion-silica catalyst. *ChemSusChem*, **2013**, 6, 1224-34	8.3	11
48	Gold Catalysis Opens Up a New Route for the Synthesis of Benzimidazoylquinoxaline Derivatives from Biomass-Derived Products (Glycerol). *ChemCatChem*, **2013**, 5, 3866-3874	5.2	20
47	Homogeneous and heterogeneous catalysts for multicomponent reactions. *RSC Advances*, **2012**, 2, 16-58	3.7	257
46	Biomass into chemicals: One-pot two- and three-step synthesis of quinoxalines from biomass-derived glycols and 1,2-dinitrobenzene derivatives using supported gold nanoparticles as catalysts. *Journal of Catalysis*, **2012**, 292, 118-129	7.3	56
45	A recyclable bifunctional acid-base organocatalyst with ionic liquid character. The role of site separation and spatial configuration on different condensation reactions. *Physical Chemistry Chemical Physics*, **2011**, 13, 17255-61	3.6	11
44	Converting carbohydrates to bulk chemicals and fine chemicals over heterogeneous catalysts. *Green Chemistry*, **2011**, 13, 520	10	484
43	Heterogeneous catalysts for the one-pot synthesis of chemicals and fine chemicals. *Chemical Reviews*, **2011**, 111, 1072-133	68.1	621

42	New one-pot multistep process with multifunctional catalysts: decreasing the E factor in the synthesis of fine chemicals. *Green Chemistry*, **2010**, 12, 99-107	10	48
41	Zeolites as Catalysts for the Synthesis of Fine Chemicals **2010**, 775-826		6
40	Chemicals from biomass: Synthesis of glycerol carbonate by transesterification and carbonylation with urea with hydrotalcite catalysts. The role of acid–base pairs. *Journal of Catalysis*, **2010**, 269, 140-149	7.3	286
39	Bifunctional acid-base ionic liquid organocatalysts with a controlled distance between acid and base sites. *Chemistry - A European Journal*, **2010**, 16, 1221-31	4.8	40
38	Hydride transfer reactions of benzylic alcohols catalyzed by acid faujasites. *Recueil Des Travaux Chimiques Des Pays-Bas*, **2010**, 110, 275-278		11
37	Multisite solid catalyst for cascade reactions: the direct synthesis of benzodiazepines from nitro compounds. *Chemistry - A European Journal*, **2009**, 15, 8834-41	4.8	45
36	Mono- and multisite solid catalysts in cascade reactions for chemical process intensification. *ChemSusChem*, **2009**, 2, 500-6	8.3	66
35	Photogeneration of 2-deoxyribonolactone in benzophenone-purine dyads. Formation of ketyl-C1' biradicals. *Organic Letters*, **2008**, 10, 4409-12	6.2	11
34	Model studies on a carprofen derivative as dual photosensitizer for thymine dimerization and (6-4) photoproduct repair. *ChemBioChem*, **2007**, 8, 402-7	3.8	16
33	Heterogeneous Palladium Catalysts for a New One-Pot Chemical Route in the Synthesis of Fragrances Based on the Heck Reaction. *Advanced Synthesis and Catalysis*, **2007**, 349, 1949-1954	5.6	52
32	Gem-diamines as highly active organocatalysts for carbon–carbon bond formation. *Journal of Catalysis*, **2007**, 246, 136-146	7.3	54
31	MgO nanoparticle-based multifunctional catalysts in the cascade reaction allows the green synthesis of anti-inflammatory agents. *Journal of Catalysis*, **2007**, 247, 223-230	7.3	87
30	The long-lived triplet excited state of an elongated ketoprofen derivative and its interactions with amino acids and nucleosides. *Journal of Physical Chemistry B*, **2007**, 111, 8277-82	3.4	20
29	Chemicals from biomass derived products: synthesis of polyoxyethyleneglycol esters from fatty acid methyl esters with solid basic catalysts. *Green Chemistry*, **2006**, 8, 524	10	25
28	Photochemistry of a naphthalene–thymine dyad in the presence of acetone. *Tetrahedron*, **2006**, 62, 1372-1377	2.4	2
27	Intramolecular interactions in the triplet excited states of benzophenone-thymine dyads. *Chemistry - A European Journal*, **2005**, 12, 553-61	4.8	29
26	Stereo-differentiation in the excited state behaviour of naphthalene-thymine dyads. *Chemical Communications*, **2005**, 2572-4	5.8	6
25	Synthesis of nonsteroidal drugs with anti-inflammatory and analgesic activities with zeolites and mesoporous molecular sieve catalysts. *Journal of Catalysis*, **2005**, 233, 308-316	7.3	30

24	Activated hydrotalcites as catalysts for the synthesis of chalcones of pharmaceutical interest. *Journal of Catalysis*, **2004**, 221, 474-482	7.3	194
23	Singlet excited-state interactions in naphthalene-thymine dyads. *ChemPhysChem*, **2004**, 5, 1704-9	3.2	6
22	Synthesis of hyacinth, vanilla, and blossom orange fragrances: the benefit of using zeolites and delaminated zeolites as catalysts. *Applied Catalysis A: General*, **2004**, 263, 155-161	5.1	116
21	Photosensitization of thymine nucleobase by benzophenone derivatives as models for photoinduced DNA damage: Paterno-Büchi vs energy and electron transfer processes. *Chemical Research in Toxicology*, **2004**, 17, 857-62	4	39
20	Synthesis of Pseudoionones by Acid and Base Solid Catalysts. *Catalysis Letters*, **2002**, 79, 157-163	2.8	55
19	Design of a solid catalyst for the synthesis of a molecule with blossom orange scent. *Green Chemistry*, **2002**, 4, 565-569	10	86
18	Synthesis of methylpseudoionones by activated hydrotalcites as solid base catalysts. *Green Chemistry*, **2002**, 4, 474-480	10	43
17	Acid–Base Bifunctional Catalysts for the Preparation of Fine Chemicals: Synthesis of Jasminaldehyde. *Journal of Catalysis*, **2001**, 197, 385-393	7.3	82
16	Aluminophosphates Oxynitrides as Base Catalysts for the Production of Dicyanomethylene Derivative Dyes. *Catalysis Letters*, **2001**, 74, 161-167	2.8	14
15	Use of delaminated zeolites (ITQ-2) and mesoporous molecular sieves in the production of fine chemicals: Preparation of dimethylacetals and tetrahydropyranylation of alcohols and phenols. *Journal of Catalysis*, **2000**, 192, 441-447	7.3	94
14	Zeolites for the Production of Fine Chemicals: Synthesis of the Fructone Fragrancy. *Journal of Catalysis*, **2000**, 196, 345-351	7.3	49
13	Erattum to "Gas chromatographic-mass spectrometric study of photodegradation of carbamate pesticides" [J. Chromatogr. A, 738 (1996) 225–231]. *Journal of Chromatography A*, **1997**, 761, 341	4.5	2
12	Gas chromatographic-mass spectrometric study of photodegradation of carbamate pesticides. *Journal of Chromatography A*, **1996**, 738, 225-31	4.5	29
11	Acid zeolites as catalysts in organic reactions: condensation of acetophenone with benzene derivatives. *Applied Catalysis A: General*, **1995**, 130, 5-12	5.1	16
10	Base Catalysis for Fine Chemicals Production: Claisen-Schmidt Condensation on Zeolites and Hydrotalcites for the Production of Chalcones and Flavanones of Pharmaceutical Interest. *Journal of Catalysis*, **1995**, 151, 60-66	7.3	295
9	MONO and Tridirectional 12-Membered Ring Zeolites as Acid Catalysts for Carbonyl Group Reactions. *Studies in Surface Science and Catalysis*, **1991**, 59, 557-564	1.8	3
8	Photolysis of 4-acetoxychromene adsorbed onto an Fe3+ - exchanged sepiolite. *Journal of Photochemistry and Photobiology A: Chemistry*, **1991**, 59, 379-383	4.7	2
7	Zeolites as catalysts in organic reactions: Condensation of aldehydes with benzene derivatives. *Journal of Catalysis*, **1991**, 130, 138-146	7.3	33

6	Zeolites as catalysts in organic reactions. Claisen-Schmidt condensation of acetophenone with benzaldehyde. *Catalysis Letters*, **1990**, 4, 85-91	2.8	34
5	Formation and hydrolysis of acetals catalysed by acid Faujasites. *Applied Catalysis*, **1990**, 59, 333-340		55
4	Zeolites in organic reactions: Condensation of formaldehyde with benzene in the presence of HY zeolites. *Applied Catalysis*, **1989**, 51, 113-125		38
3	Design of synthetic zeolites as catalysts in organic reactions. *Applied Catalysis*, **1989**, 49, 109-123		142
2	Novel photoreactions of chromene derivatives. The photolysis of 4-acetoxy-2-chromene.. *Tetrahedron*, **1987**, 43, 999-1002	2.4	6
1	A Career in Catalysis: Avelino Corma. *ACS Catalysis*,7054-7123	13.1	1