

# Alicia Carrero

## List of Publications by Year in descending order

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57  
papers

2,810  
citations

186265

28  
h-index

175258

52  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coke evolution in simulated bio-oil aqueous fraction steam reforming using Co/SBA-15. <i>Catalysis Today</i> , 2021, 367, 145-152.	4.4	25
2	Effect of the incorporation of reducibility promoters (Cu, Ce, Ag) in Co/ CaSBA-15 catalysts for acetic acid steam reforming. <i>International Journal of Energy Research</i> , 2021, 45, 1685-1702.	4.5	9
3	On the Support Effect and the Cr Promotion of Co Based Catalysts for the Acetic Acid Steam Reforming. <i>Catalysts</i> , 2021, 11, 133.	3.5	4
4	Methanol reforming by nanostructured Pd/Sm-doped ceria catalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119935.	20.2	13
5	Hydrogen Production Technologies: From Fossil Fuels toward Renewable Sources. A Mini Review. <i>Energy &amp; Fuels</i> , 2021, 35, 16403-16415.	5.1	286
6	Agglomerated Co-Cr/SBA-15 catalysts for hydrogen production through acetic acid steam reforming. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15941-15950.	7.1	11
7	Catalytic Behavior of Co-Based Catalysts in the Kinetic Study of Acetic Acid Steam Reforming. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 19531-19538.	3.7	11
8	Evaluation of Bimodal Polyethylene from Chromium Oxide/Metallocene Hybrid Catalysts for High Resistance Applications. <i>Macromolecular Reaction Engineering</i> , 2020, 14, 2000032.	1.5	1
9	Effective H <sub>2</sub> Separation through Electroless Pore-Plated Pd Membranes Containing Graphite Lead Barriers. <i>Membranes</i> , 2020, 10, 410.	3.0	4
10	Steam Reforming of Model Bio-Oil Aqueous Fraction Using Ni-(Cu, Co, Cr)/SBA-15 Catalysts. <i>International Journal of Molecular Sciences</i> , 2019, 20, 512.	4.1	42
11	Hydrogen Production from Steam Reforming of Acetic Acid as a Model Compound of the Aqueous Fraction of Microalgae HTL Using Co-M/SBA-15 (M: Cu, Ag, Ce, Cr) Catalysts. <i>Catalysts</i> , 2019, 9, 1013.	3.5	19
12	Production of bimodal polyethylene on chromium oxide/metallocene binary catalyst: Evaluation of comonomer effects. <i>Chemical Engineering Journal</i> , 2017, 315, 46-57.	12.7	12
13	Influence of stereospecificity and molecular weight on mechanical properties of iso-syndio-polypropylene obtained by combination of metallocene catalysts. <i>European Polymer Journal</i> , 2017, 90, 183-194.	5.4	8
14	Heterogeneous-catalysed direct transformation of microalga biomass into Biodiesel-Grade FAMES. <i>Fuel</i> , 2017, 200, 590-598.	6.4	24
15	Hydrogen production through glycerol steam reforming using Co catalysts supported on SBA-15 doped with Zr, Ce and La. <i>Journal of Energy Chemistry</i> , 2017, 26, 42-48.	12.9	56
16	Production of Renewable Hydrogen from Glycerol Steam Reforming over Bimetallic Ni-(Cu,Co,Cr) Catalysts Supported on SBA-15 Silica. <i>Catalysts</i> , 2017, 7, 55.	3.5	65
17	Bimodal polypropylene through binary metallocene catalytic systems: comparison between hybrid and mixed heterogeneous catalysts. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	8
18	Comparison of ethanol steam reforming using Co and Ni catalysts supported on SBA-15 modified by Ca and Mg. <i>Fuel Processing Technology</i> , 2016, 146, 99-109.	7.2	94

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19	Effect of Ce and Zr Addition to Ni/SiO <sub>2</sub> Catalysts for Hydrogen Production through Ethanol Steam Reforming. <i>Catalysts</i> , 2015, 5, 58-76.	3.5	32
20	Synthesis of fatty acids methyl esters (FAMES) from <i>Nannochloropsis gaditana</i> microalga using heterogeneous acid catalysts. <i>Biochemical Engineering Journal</i> , 2015, 97, 119-124.	3.6	34
21	Hydrogen production by glycerol steam reforming over SBA-15-supported nickel catalysts: Effect of alkaline earth promoters on activity and stability. <i>Catalysis Today</i> , 2014, 227, 198-206.	4.4	113
22	Liquid-Liquid Phase Equilibria for Soybean Oil Methanolysis: Experimental, Modeling, and Data Prediction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 3731-3736.	3.7	16
23	Chromium oxide/metalocene binary catalysts for bimodal polyethylene: Hydrogen effects. <i>Chemical Engineering Journal</i> , 2012, 213, 62-69.	12.7	22
24	Bimodal Poly(propylene) through Binary Metallocene Catalytic Systems as an Alternative to Melt Blending. <i>Macromolecular Symposia</i> , 2012, 321-322, 46-52.	0.7	9
25	Development of a new synthetic method based on <i>in situ</i> strategies for polyethylene/clay composites. <i>Journal of Applied Polymer Science</i> , 2012, 126, 987-997.	2.6	16
26	Hybrid zeolitic-mesostructured materials as supports of metallocene polymerization catalysts. <i>Catalysis Today</i> , 2012, 179, 115-122.	4.4	13
27	Hydrogen production by steam reforming of ethanol using Ni catalysts based on ternary mixed oxides prepared by coprecipitation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1985-1992.	7.1	83
28	Study of the PENT test conditions for reducing failure times in high-resistance polyethylene resins for pipe applications. <i>Mechanics of Time-Dependent Materials</i> , 2012, 16, 105-115.	4.4	10
29	Ethylene/1-Hexene Copolymers Produced with MAO/(nBuCp) <sub>2</sub> ZrCl <sub>2</sub> Supported on SBA-15 Materials with Different Pore Sizes. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1590-1599.	2.2	24
30	Ethylene polymerization with methylaluminoxane/(nBuCp) <sub>2</sub> ZrCl <sub>2</sub> catalyst supported on silica and silica-alumina at different Al/MAO/Zr molar ratios. <i>Journal of Applied Polymer Science</i> , 2011, 120, 599-606.	2.6	16
31	Effects of the structural components on slow crack growth process in polyethylene blends. Composition intervals prediction for pipe applications. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3269-3276.	2.6	29
32	Hierarchical zeolites as catalysts for biodiesel production from <i>Nannochloropsis</i> microalga oil. <i>Catalysis Today</i> , 2011, 167, 148-153.	4.4	128
33	Development of novel chromium oxide/metalocene hybrid catalysts for bimodal polyethylene. <i>Polymer</i> , 2011, 52, 1891-1899.	3.8	28
34	Ethylene Polymerization by Metallocene Catalysts Supported over Siliceous Materials with Bimodal Pore Size Distribution. <i>Macromolecular Symposia</i> , 2011, 302, 198-207.	0.7	12
35	Morphological modifications of Cr/SBA-15 and Cr/Al-SBA-15 ethylene polymerization catalysts: Influence on catalytic behaviour and polymer properties. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 294-302.	4.4	20
36	Ethanol steam reforming on Ni/Al-SBA-15 catalysts: Effect of the aluminium content. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 5895-5901.	7.1	94

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37	Effect of Mg and Ca addition on coke deposition over Cu-Ni/SiO <sub>2</sub> catalysts for ethanol steam reforming. <i>Chemical Engineering Journal</i> , 2010, 163, 395-402.	12.7	148
38	Ce and La modification of mesoporous Cu-Ni/SBA-15 catalysts for hydrogen production through ethanol steam reforming. <i>Microporous and Mesoporous Materials</i> , 2009, 119, 200-207.	4.4	76
39	Ethanol steam reforming on Mg- and Ca-modified Cu-Ni/SBA-15 catalysts. <i>Catalysis Today</i> , 2009, 146, 63-70.	4.4	97
40	One-step synthesis of chromium and aluminium containing SBA-15 materials New phillips catalysts for ethylene polymerization. <i>Chemical Engineering Journal</i> , 2008, 137, 443-452.	12.7	33
41	Ethylene polymerization over (n-BuCp) <sub>2</sub> ZrCl <sub>2</sub> /MAO catalytic system supported on aluminosilicate SBA-15 mesostructured materials. <i>Polymer Engineering and Science</i> , 2008, 48, 606-616.	3.1	21
42	Slow crack growth resistance in resin blends of chromium and metallocene catalyzed ethylene-hexene copolymers for pipe applications. <i>Polymer Engineering and Science</i> , 2008, 48, 925-933.	3.1	33
43	Ethanol steam reforming on Ni/Al <sub>2</sub> O <sub>3</sub> catalysts: Effect of Mg addition. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 3489-3492.	7.1	114
44	Control of SBA-15 materials morphology by modification of synthesis conditions. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 321-324.	1.5	5
45	Effect of Hexene Comonomer on Polyethylene Particle Growth and Kinetic Profiles. <i>Macromolecular Symposia</i> , 2007, 259, 243-252.	0.7	32
46	Characterization of Ethylene-Hexene Copolymers Made with Supported Metallocene Catalysts: Influence of Support Type. <i>Macromolecular Symposia</i> , 2007, 257, 103-111.	0.7	28
47	Preparation, characterization and testing of Cr/SBA-15 ethylene polymerization catalysts. <i>Applied Catalysis A: General</i> , 2007, 316, 22-31.	4.3	45
48	Hydrogen production by ethanol steam reforming over Cu-Ni/SBA-15 supported catalysts prepared by direct synthesis and impregnation. <i>Applied Catalysis A: General</i> , 2007, 327, 82-94.	4.3	133
49	Ethylene polymerization over supported MAO/(n-BuCp) <sub>2</sub> ZrCl <sub>2</sub> catalysts: Influence of support properties. <i>European Polymer Journal</i> , 2007, 43, 1267-1277.	5.4	35
50	Hydrogen production by ethanol steam reforming over Cu-Ni supported catalysts. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 1450-1461.	7.1	348
51	Ethylene polymerization over chromium supported onto SBA-15 mesoporous materials. <i>Studies in Surface Science and Catalysis</i> , 2005, , 1453-1460.	1.5	6
52	Chromium supported onto swelled Al-MCM-41 materials: a promising catalysts family for ethylene polymerization. <i>Catalysis Communications</i> , 2005, 6, 153-157.	3.3	23
53	Dealumination of ferrierite by ammonium hexafluorosilicate treatment: characterization and testing in the skeletal isomerization of n-butene. <i>Applied Catalysis A: General</i> , 2003, 248, 227-237.	4.3	33
54	Isomerization of n-butene over ferrierite zeolite modified by silicon tetrachloride treatment. <i>Applied Catalysis A: General</i> , 2000, 190, 93-105.	4.3	22

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Catalysis Letters, 2000, 64, 239-246.	2.6	13
56	Dealumination of HZSM-5 zeolites: Effect of steaming on acidity and aromatization activity. Applied Catalysis A: General, 1997, 154, 221-240.	4.3	102
57	Coke formation, location, nature and regeneration on dealuminated HZSM-5 type zeolites. Applied Catalysis A: General, 1997, 156, 299-317.	4.3	72