

Amaya Romero Izquierdo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1446986/amaya-romero-izquierdo-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

3,181
citations

34
h-index

51
g-index

107
ext. papers

3,550
ext. citations

6.2
avg, IF

5.23
L-index

#	Paper	IF	Citations
106	Carbon nanospheres: synthesis, physicochemical properties and applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1664-1672		215
105	Development of thermo-regulating textiles using paraffin wax microcapsules. <i>Thermochimica Acta</i> , 2010 , 498, 16-21	2.9	186
104	Microencapsulation of PCMs with a styrene-methyl methacrylate copolymer shell by suspension-like polymerisation. <i>Chemical Engineering Journal</i> , 2010 , 157, 216-222	14.7	153
103	CO2 capture in different carbon materials. <i>Environmental Science & Technology</i> , 2012 , 46, 7407-14	10.3	110
102	Influence of the ion exchanged metal (Cu, Co, Ni and Mn) on the selective catalytic reduction of NOX over mordenite and ZSM-5. <i>Journal of Molecular Catalysis A</i> , 2005 , 225, 47-58		77
101	Methanation of CO, CO2 and selective methanation of CO, in mixtures of CO and CO2, over ruthenium carbon nanofibers catalysts. <i>Applied Catalysis A: General</i> , 2010 , 390, 35-44	5.1	75
100	Cation exchanged and impregnated Ti-pillared clays for selective catalytic reduction of NOx by propylene. <i>Applied Catalysis B: Environmental</i> , 2003 , 43, 43-56	21.8	75
99	Influence of Different Improved Hummers Method Modifications on the Characteristics of Graphite Oxide in Order to Make a More Easily Scalable Method. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 12836-12847	3.9	75
98	Adsorption of phenol and nitrophenols by carbon nanospheres: Effect of pH and ionic strength. <i>Separation and Purification Technology</i> , 2011 , 80, 217-224	8.3	74
97	Gas phase hydrogenation of nitrobenzene over acid treated structured and amorphous carbon supported Ni catalysts. <i>Applied Catalysis A: General</i> , 2009 , 363, 188-198	5.1	70
96	Influence of the reduction strategy in the synthesis of reduced graphene oxide. <i>Advanced Powder Technology</i> , 2017 , 28, 3195-3203	4.6	64
95	Fischer-Tropsch diesel production over calcium-promoted Co/alumina catalyst: Effect of reaction conditions. <i>Fuel</i> , 2011 , 90, 1935-1945	7.1	63
94	Effect of the operation conditions on the selective oxidation of glycerol with catalysts based on Au supported on carbonaceous materials. <i>Chemical Engineering Journal</i> , 2011 , 178, 423-435	14.7	60
93	Comparative study of different scalable routes to synthesize graphene oxide and reduced graphene oxide. <i>Materials Chemistry and Physics</i> , 2018 , 203, 284-292	4.4	56
92	Impact of nitrogen doping of carbon nanospheres on the nickel-catalyzed hydrogenation of butyronitrile. <i>Journal of Catalysis</i> , 2010 , 269, 242-251	7.3	53
91	Synthesis and characterization of Au supported on carbonaceous material-based catalysts for the selective oxidation of glycerol. <i>Chemical Engineering Journal</i> , 2011 , 172, 418-429	14.7	52
90	Influence of the synthesis conditions on the preparation of titanium-pillared clays using hydrolyzed titanium ethoxide as the pillaring agent. <i>Microporous and Mesoporous Materials</i> , 2002 , 54, 155-165	5.3	51

89	Preparation and Characterization of CaO Nanoparticles/NaX Zeolite Catalysts for the Transesterification of Sunflower Oil. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 2665-2670	3.9	50
88	Influence of the catalytic support on the industrial Fischer-Tropsch synthetic diesel production. <i>Catalysis Today</i> , 2011 , 176, 298-302	5.3	46
87	Thermal and morphological stability of polystyrene microcapsules containing phase-change materials. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 291-297	2.9	45
86	Solvent-Based Exfoliation via Sonication of Graphitic Materials for Graphene Manufacture. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 845-855	3.9	43
85	Influence of alkali promoters on synthetic diesel production over Co catalyst. <i>Catalysis Today</i> , 2011 , 167, 96-106	5.3	42
84	Cobalt and iron supported on carbon nanofibers as catalysts for Fischer-Tropsch synthesis. <i>Fuel Processing Technology</i> , 2014 , 128, 417-424	7.2	41
83	Catalytic oxidation of crude glycerol using catalysts based on Au supported on carbonaceous materials. <i>Applied Catalysis A: General</i> , 2013 , 450, 189-203	5.1	41
82	Kinetic models discrimination for the high pressure WGS reaction over a commercial CoMo catalyst. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 9673-9684	6.7	41
81	Hydrogen storage in different carbon materials: Influence of the porosity development by chemical activation. <i>Applied Surface Science</i> , 2012 , 258, 2498-2509	6.7	39
80	Improving hydrogen storage in modified carbon materials. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4144-4160	6.7	39
79	Performance of a sulfur-resistant commercial WGS catalyst employing industrial coal-derived syngas feed. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 44-51	6.7	39
78	The influence of operating conditions on the growth of carbon nanofibers on carbon nanofiber-supported nickel catalysts. <i>Applied Catalysis A: General</i> , 2007 , 319, 246-258	5.1	39
77	Direct synthesis of carbon and nitrogen-carbon nanospheres from aromatic hydrocarbons. <i>Chemical Engineering Journal</i> , 2009 , 153, 211-216	14.7	37
76	Pilot Plant Scale Study of the Influence of the Operating Conditions in the Production of Carbon Nanofibers. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 8407-8417	3.9	37
75	Silicon carbide as a catalyst support in the Fischer-Tropsch synthesis: Influence of the modification of the support by a pore agent and acidic treatment. <i>Applied Catalysis A: General</i> , 2014 , 475, 82-89	5.1	36
74	Influence of the activating agent and the inert gas (type and flow) used in an activation process for the porosity development of carbon nanofibers. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 712-722	6.3	34
73	Growth of Carbon Nanofibers from Ni/Y Zeolite Based Catalysts: Effects of Ni Introduction Method, Reaction Temperature, and Reaction Gas Composition. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 8225-8236	3.9	34
72	Electrochemical promotion of the CO ₂ hydrogenation reaction on composite Ni or Ru impregnated carbon nanofiber catalyst-electrodes deposited on YSZ. <i>Applied Catalysis B: Environmental</i> , 2011 , 107, 210-220	21.8	32

71	Synthesis of carbon nanofibers supported cobalt catalysts for Fischer-Tropsch process. <i>Fuel</i> , 2013 , 111, 422-429	7.1	30
70	FTS fuels production over different Co/SiC catalysts. <i>Catalysis Today</i> , 2012 , 187, 173-182	5.3	30
69	Effects of freeze-drying conditions on aerogel properties. <i>Journal of Materials Science</i> , 2016 , 51, 8977-8985	4.5	29
68	Influence of CO ₂ co-feeding on Fischer-Tropsch fuels production over carbon nanofibers supported cobalt catalyst. <i>Catalysis Communications</i> , 2014 , 44, 57-61	3.2	29
67	Photocatalysis with Ti-pillared clays for the oxofunctionalization of alkylaromatics by O ₂ . <i>Applied Catalysis A: General</i> , 2009 , 352, 234-242	5.1	29
66	Hydrogen storage capacity on different carbon materials. <i>Chemical Physics Letters</i> , 2010 , 485, 152-155	2.5	29
65	Preparation and characterization of Fe-PILCs. Influence of the synthesis parameters. <i>Clays and Clay Minerals</i> , 2005 , 53, 613-621	2.1	29
64	Influence of the nature of the metal hydroxide in the porosity development of carbon nanofibers. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 226-34	9.3	28
63	Ti-pillared clays: Synthesis and general characterization. <i>Clays and Clay Minerals</i> , 2006 , 54, 737-747	2.1	28
62	Copper ion-exchanged and impregnated Fe-pillared clays Study of the influence of the synthesis conditions on the activity for the selective catalytic reduction of NO with C ₃ H ₆ . <i>Applied Catalysis A: General</i> , 2006 , 305, 189-196	5.1	28
61	Immobilized laccase on polyimide aerogels for removal of carbamazepine. <i>Journal of Hazardous Materials</i> , 2019 , 376, 83-90	12.8	27
60	Synthesis and structural characteristics of highly graphitized carbon nanofibers produced from the catalytic decomposition of ethylene: Influence of the active metal (Co, Ni, Fe) and the zeolite type support. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 318-329	5.3	24
59	Study by in situ FTIR of the SCR of NO by propene on Cu ²⁺ ion-exchanged Ti-PILC. <i>Journal of Molecular Catalysis A</i> , 2005 , 230, 23-28		24
58	Effect of the nature the carbon precursor on the physico-chemical characteristics of the resulting activated carbon materials. <i>Materials Chemistry and Physics</i> , 2010 , 124, 223-233	4.4	23
57	Preparation and characterization of Ti-pillared clays using Ti alkoxides. influence of the synthesis parameters. <i>Clays and Clay Minerals</i> , 2003 , 51, 41-51	2.1	22
56	Catalytic synthesis of carbon nanofibers with different graphene plane alignments using Ni deposited on iron pillared clays. <i>Applied Catalysis A: General</i> , 2006 , 301, 123-132	5.1	21
55	Influence of the activation conditions on the porosity development of herringbone carbon nanofibers. <i>Chemical Engineering Journal</i> , 2009 , 155, 931-940	14.7	20
54	Electrocatalytic conversion of CO ₂ to added-value chemicals in a high-temperature proton-exchange membrane reactor. <i>Electrochemistry Communications</i> , 2017 , 81, 128-131	5.1	19

53	Influence of the chemical activation of carbon nanofibers on their use as catalyst support. <i>Applied Catalysis A: General</i> , 2011 , 393, 78-87	5.1	19
52	CNF-reinforced polymer aerogels: Influence of the synthesis variables and economic evaluation. <i>Chemical Engineering Journal</i> , 2015 , 262, 691-701	14.7	17
51	SCR of NO by Propene on Monometallic (Co or Ni) and Bimetallic (Co/Ag or Ni/Ag) Mordenite-Based Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 8988-8996	3.9	17
50	Hydroxyethyl cellulose/alumina-based aerogels as lightweight insulating materials with high mechanical strength. <i>Journal of Materials Science</i> , 2018 , 53, 1556-1567	4.3	17
49	Smart microcapsules containing nonpolar chemical compounds and carbon nanofibers. <i>Chemical Engineering Journal</i> , 2012 , 181-182, 813-822	14.7	15
48	Nanoclay-Based PVA Aerogels: Synthesis and Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 6218-6225	3.9	14
47	Optimization of the synthesis procedure of microparticles containing gold for the selective oxidation of glycerol. <i>Applied Catalysis A: General</i> , 2014 , 472, 11-20	5.1	14
46	Synthesis and Characterization of Nitrogen-Doped Carbon Nanospheres Decorated with Au Nanoparticles for the Liquid-Phase Oxidation of Glycerol. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 16696-16706	3.9	14
45	Preparation of Cu-ion-exchanged Fe-PILCs for the SCR of NO by propene. <i>Applied Catalysis B: Environmental</i> , 2006 , 65, 175-184	21.8	14
44	Influence of the Operating Parameters on the Selective Catalytic Reduction of NO with Hydrocarbons Using Cu-Ion-Exchanged Titanium-Pillared Interlayer Clays (Ti-PILCs). <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 2955-2965	3.9	14
43	Role of inert gas in the Cvd-graphene synthesis over polycrystalline nickel foils. <i>Materials Chemistry and Physics</i> , 2019 , 222, 173-180	4.4	14
42	Carbon nanofibers and nanospheres-supported bimetallic (Co and Fe) catalysts for the Fischer-Tropsch synthesis. <i>Fuel Processing Technology</i> , 2015 , 138, 455-462	7.2	13
41	Thickness control of graphene deposited over polycrystalline nickel. <i>New Journal of Chemistry</i> , 2015 , 39, 4414-4423	3.6	13
40	High pressure Water Gas Shift performance over a commercial non-sulfide CoMo catalyst using industrial coal-derived syngas. <i>Fuel</i> , 2012 , 97, 428-434	7.1	13
39	Influence of Cobalt Precursor on Efficient Production of Commercial Fuels over FTS Co/SiC Catalyst. <i>Catalysts</i> , 2016 , 6, 98	4	13
38	Influence of a Zeolite-Based Cascade Layer on Fischer-Tropsch Fuels Production over Silicon Carbide Supported Cobalt Catalyst. <i>Topics in Catalysis</i> , 2017 , 60, 1082-1093	2.3	12
37	Linear and crosslinked polyimide aerogels: synthesis and characterization. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2638-2648	5.5	12
36	PVA/nanoclay/graphene oxide aerogels with enhanced sound absorption properties. <i>Applied Acoustics</i> , 2019 , 156, 40-45	3.1	12

35	Influence of the Addition of a Second Metal on the Catalytic Performance of Pt-Beta Agglomerated Catalyst in the Hydroisomerization of n-Octane. <i>Catalysis Letters</i> , 2008 , 125, 220-228	2.8	12
34	Growth of nitrogen-doped filamentous and spherical carbon over unsupported and Y zeolite supported nickel and cobalt catalysts. <i>Chemical Engineering Journal</i> , 2008 , 144, 518-530	14.7	12
33	Utilization and reusability of hydroxyethyl cellulose alumina based aerogels for the removal of spilled oil. <i>Chemosphere</i> , 2020 , 260, 127568	8.4	12
32	Hydrocarbon selective catalytic reduction of NO over Cu/Fe-pillared clays: Diffuse reflectance infrared spectroscopy studies. <i>Journal of Molecular Catalysis A</i> , 2010 , 332, 45-52		11
31	Characterization and Catalytic Properties of Titanium-Pillared Clays Prepared at Laboratory and Pilot Scales: A Comparative Study. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 2783-2790 ^{3.9}		11
30	Hydrogen production by ammonia decomposition over ruthenium supported on SiC catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 94, 326-335	6.3	11
29	Pyrolysis and combustion kinetics of microcapsules containing carbon nanofibers by thermal analysis mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 94, 246-252	6	10
28	Carbon nanospheres as novel support in the nickel catalyzed gas phase hydrogenation of butyronitrile. <i>Applied Catalysis A: General</i> , 2010 , 373, 192-200	5.1	10
27	Influence of palladium incorporation technique on n-butane hydroisomerization over HZSM-5/bentonite catalysts. <i>Applied Catalysis A: General</i> , 2004 , 274, 79-85	5.1	10
26	Different strategies to simultaneously N-doping and reduce graphene oxide for electrocatalytic applications. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 857, 113695	4.1	10
25	Improving the growth of monolayer CVD-graphene over polycrystalline iron sheets. <i>New Journal of Chemistry</i> , 2017 , 41, 5066-5074	3.6	9
24	Tailor-Made Aerogels Based on Carbon Nanofibers by Freeze-Drying. <i>Science of Advanced Materials</i> , 2014 , 6, 665-673	2.3	9
23	Synthesis and characterization of ruthenium supported on carbon nanofibers with different graphitic plane arrangements. <i>Chemical Engineering Journal</i> , 2011 , 168, 947-954	14.7	9
22	CVD-graphene growth on different polycrystalline transition metals. <i>AIMS Materials Science</i> , 2017 , 4, 194-208	1.9	8
21	The influence of graphite particle size on the synthesis of graphene-based materials and their adsorption capacity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 582, 123935 ^{5.1}		7
20	Optimization of the catalytic support and membrane for the electrochemical reforming of ethanol in alkaline media. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 3698-3705	3.5	7
19	Preparation of coated thermo-regulating textiles using Rubitherm-RT31 microcapsules. <i>Journal of Applied Polymer Science</i> , 2011 , 124, n/a-n/a	2.9	7
18	Materials for activated carbon fiber synthesis 2017 , 21-38		6

17	Nano-Scale Au Supported on Carbon Materials for the Low Temperature Water Gas Shift (WGS) Reaction. <i>Catalysts</i> , 2011 , 1, 155-174	4	6
16	Stabilizer effects on the synthesis of gold-containing microparticles. Application to the liquid phase oxidation of glycerol. <i>Journal of Colloid and Interface Science</i> , 2014 , 431, 105-11	9.3	5
15	Pilot Plant Scale Synthesis of CNS: Influence of the Operating Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6745-6752	3.9	5
14	Improvement of the mechanical and flame-retardant properties of polyetherimide membranes modified with Graphene oxide. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 1170-1177	1.5	5
13	Influence of the oxidizing agent in the synthesis of graphite oxide. <i>Journal of Materials Science</i> , 2020 , 55, 2333-2342	4.3	5
12	Ammonia as a carrier for hydrogen production by using lanthanum based perovskites. <i>Energy Conversion and Management</i> , 2021 , 246, 114681	10.6	5
11	Nickel supported carbon nanofibers as an active and selective catalyst for the gas-phase hydrogenation of 2-tert-butylphenol. <i>Journal of Colloid and Interface Science</i> , 2012 , 380, 173-81	9.3	4
10	Towards new routes to increase the electrocatalytic activity for oxygen reduction reaction of n-doped graphene nanofibers. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114631	4.1	4
9	Influence of the Total Gas Flow at Different Reaction Times for CVD-Graphene Synthesis on Polycrystalline Nickel. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-9	3.2	4
8	Biodiesel Production from Waste Cooking Oil Catalyzed by a Bifunctional Catalyst. <i>ACS Omega</i> , 2021 , 6, 24092-24105	3.9	4
7	Selective catalytic reduction of NO by propene in the presence of oxygen and water over catalysts prepared by the modified sol-gel method. <i>Catalysis Communications</i> , 2007 , 8, 736-740	3.2	3
6	CO _x -free hydrogen production from ammonia at low temperature using Co/SiC catalyst: Effect of promoter. <i>Catalysis Today</i> , 2021 ,	5.3	3
5	Influence of the synthesis method on electrical storage capacity of graphene-related materials. <i>Materials Science and Technology</i> , 2019 , 35, 361-367	1.5	2
4	Self-combustion Ni and Co-based perovskites as catalyst precursors for ammonia decomposition. Effect of Ce and Mg doping. <i>Fuel</i> , 2022 , 323, 124384	7.1	2
3	New catalysts based on reduced graphene oxide for hydrogen production from ammonia decomposition. <i>Sustainable Chemistry and Pharmacy</i> , 2022 , 25, 100615	3.9	1
2	Taylor-made aerogels through a freeze-drying process: economic assessment. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 89, 436-447	2.3	1
1	Comparison of nanoclay/polyvinyl alcohol aerogels scale production: Life Cycle Assessment. <i>Chemical Engineering Research and Design</i> , 2021 , 176, 243-253	5.5	