

# J Álvarez-Rodríguez

## List of Publications by Year in descending order

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27  
papers

672  
citations

471509

17  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1030  
citing authors

#	ARTICLE	IF	CITATIONS
1	First Phenol Carboxylation with CO <sub>2</sub> on Carbon Nanostructured C@Fe-Al <sub>2</sub> O <sub>3</sub> Hybrids in Aqueous Media under Mild Conditions. <i>Nanomaterials</i> , 2021, 11, 190.	4.1	7
2	Selection of iron precursor for preparation of 3D-solids of hydrophobic composites with $\gamma$ -alumina and carbon nanostructured materials. <i>Journal of Cleaner Production</i> , 2019, 214, 290-297.	9.3	4
3	Effect of the metal precursor on the catalytic performance of the Ru/KL system for the ethanol transformation reactions. <i>Applied Catalysis A: General</i> , 2017, 535, 61-68.	4.3	4
4	Application in powder metallurgy of CVD carbon nanofibres: microstructure and mechanical properties CNF reinforced Distaloy AQ. <i>Powder Metallurgy</i> , 2017, 60, 345-352.	1.7	1
5	3D solid supported inter-polyelectrolyte complexes obtained by the alternate deposition of poly(diallyldimethylammonium chloride) and poly(sodium 4-styrenesulfonate). <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 197-208.	2.8	19
6	Selective catalytic reduction of NO with NH <sub>3</sub> over Cr-ZSM-5 catalysts: General characterization and catalysts screening. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 367-380.	20.2	39
7	Cr-ZSM-5 catalysts for ethylene ammoxidation: Effects of precursor nature and Cr/Al molar ratio on the physicochemical and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2013, 171, 166-178.	4.4	15
8	Influence of the parent zeolite structure on chromium speciation and catalytic properties of Cr-zeolite catalysts in the ethylene ammoxidation. <i>Applied Catalysis A: General</i> , 2012, 439-440, 88-100.	4.3	20
9	Influence of the nature of support on Ru-supported catalysts for selective hydrogenation of citral. <i>Chemical Engineering Journal</i> , 2012, 204-206, 169-178.	12.7	32
10	Total oxidation of VOCs on Au nanoparticles anchored on Co doped mesoporous UVM-7 silica. <i>Chemical Engineering Journal</i> , 2012, 187, 391-400.	12.7	44
11	Ammoxidation of ethylene over low and over-exchanged Cr-ZSM-5 catalysts. <i>Applied Catalysis A: General</i> , 2012, 415-416, 132-140.	4.3	23
12	Selective hydrogenation of citral over Pt/KL type catalysts doped with Sr, La, Nd and Sm. <i>Applied Catalysis A: General</i> , 2011, 401, 56-64.	4.3	24
13	Carbon nanostructured materials as direct catalysts for phenol oxidation in aqueous phase. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 101-109.	20.2	40
14	Effect of the chromium precursor nature on the physicochemical and catalytic properties of Cr-ZSM-5 catalysts: Application to the ammoxidation of ethylene. <i>Journal of Molecular Catalysis A</i> , 2011, 339, 8-16.	4.8	34
15	Design of appropriate surface sites for ruthenium-ceria catalysts supported on graphite by controlled preparation method. <i>Studies in Surface Science and Catalysis</i> , 2010, , 751-754.	1.5	0
16	The use of carbon nanotubes with and without nitrogen doping as support for ruthenium catalysts in the ammonia decomposition reaction. <i>Carbon</i> , 2010, 48, 267-276.	10.3	144
17	Stable anchoring of dispersed gold nanoparticles on hierarchic porous silica-based materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 6780.	6.7	19
18	Thiophene as Internal Promoter of Selectivity for the Liquid Phase Hydrogenation of Citral Over Ru/KL Catalysts. <i>Catalysis Letters</i> , 2009, 129, 376-382.	2.6	8

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19	Surface changes in Ru/KL supported catalysts induced by the preparation method and their effect on the selective hydrogenation of citral. <i>Applied Catalysis A: General</i> , 2009, 366, 114-121.	4.3	21
20	Efficient catalytic wet oxidation of phenol using iron acetylacetonate complexes anchored on carbon nanofibres. <i>Carbon</i> , 2009, 47, 2095-2102.	10.3	23
21	Changes in the selective hydrogenation of citral induced by copper addition to Ru/KL catalysts. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 186-196.	4.4	16
22	Structural changes on RuCu/KL bimetallic catalysts as evidenced by n-hexane reforming. <i>Catalysis Today</i> , 2008, 133-135, 793-799.	4.4	4
23	Effect of nickel precursor and the copper addition on the surface properties of Ni/KL-supported catalysts for selective hydrogenation of citral. <i>Applied Catalysis A: General</i> , 2008, 348, 241-250.	4.3	26
24	Mesosynthesis of ZnO@SiO <sub>2</sub> porous nanocomposites with low-defect ZnO nanometric domains. <i>Nanotechnology</i> , 2008, 19, 225603.	2.6	25
25	Support effects on Ru@HPA bifunctional catalysts: Surface characterization and catalytic performance. <i>Applied Catalysis A: General</i> , 2007, 333, 281-289.	4.3	14
26	Surface and structural effects in the hydrogenation of citral over RuCu/KL catalysts. <i>Microporous and Mesoporous Materials</i> , 2006, 97, 122-131.	4.4	24
27	Modifications of the citral hydrogenation selectivities over Ru/KL-zeolite catalysts induced by the metal precursors. <i>Catalysis Today</i> , 2005, 107-108, 302-309.	4.4	42