

Juan JosÃ© Delgado JaÃ±n

List of Publications by Year in descending order

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132
papers

7,105
citations

57631

44
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66788

78
g-index

135
all docs

135
docs citations

135
times ranked

9630
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Diels-Alder adducts on multilayer graphene for the generation of edge-enriched single-atom FeN ₄ sites for ORR and OER electrocatalysis. Sustainable Energy and Fuels, 2022, 6, 1603-1615.	2.5	3
2	Spectroscopic Ellipsometry Study on Tuning the Electrical and Optical Properties of Zr-Doped ZnO Thin Films Grown by Atomic Layer Deposition. ACS Applied Electronic Materials, 2022, 4, 925-935.	2.0	9
3	CO ₂ hydrogenation to methanol on Ga ₂ O ₃ -Pd/SiO ₂ catalysts: Dual oxide-metal sites or (bi)metallic surface sites?. Catalysis Today, 2021, 381, 154-162.	2.2	32
4	Synthesis of palladium-rhodium bimetallic nanoparticles for formic acid dehydrogenation. Journal of Energy Chemistry, 2021, 52, 301-309.	7.1	31
5	Molybdenum Oxide Supported on Ti ₃ AlC ₂ is an Active Reverse Water-Gas Shift Catalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 4957-4966.	3.2	15
6	Sustainable photocatalytic synthesis of benzimidazoles. Inorganica Chimica Acta, 2021, 520, 120289.	1.2	10
7	Enhancing activity, selectivity and stability of palladium catalysts in formic acid decomposition: Effect of support functionalization. Catalysis Today, 2021, 382, 61-70.	2.2	16
8	Experimental and Process Modelling Investigation of the Hydrogen Generation from Formic Acid Decomposition Using a Pd/Zn Catalyst. Applied Sciences (Switzerland), 2021, 11, 8462.	1.3	7
9	Highly Active Ce- and Mg-Promoted Ni Catalysts Supported on Cellulose-Derived Carbon for Low-Temperature CO ₂ Methanation. Energy & Fuels, 2021, 35, 17212-17224.	2.5	17
10	Exceptional Low-Temperature CO Oxidation over Noble-Metal-Free Iron-Doped Hollandites: An In-Depth Analysis of the Influence of the Defect Structure on Catalytic Performance. ACS Catalysis, 2021, 11, 15026-15039.	5.5	5
11	Investigations of Carbon Nitride-Supported Mn ₃ O ₄ Oxide Nanoparticles for ORR. Catalysts, 2020, 10, 1289.	1.6	14
12	Butane Dry Reforming Catalyzed by Cobalt Oxide Supported on Ti ₂ AlC MAX Phase. ChemSusChem, 2020, 13, 6401-6408.	3.6	26
13	Biosynthesis of uniform ultra-small gold nanoparticles by aged Dracaena Draco L extracts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 581, 123744.	2.3	13
14	Photocatalytic Hydrogen Production by Boron Modified TiO ₂ /Carbon Nitride Heterojunctions. ChemCatChem, 2019, 11, 6408-6416.	1.8	35
15	Ex-Solution Synthesis of Sub-5-nm FeO _x Nanoparticles on Mesoporous Hollow N,O-Doped Carbon Nanoshells for Electrocatalytic Oxygen Reduction. ACS Applied Nano Materials, 2019, 2, 6092-6097.	2.4	30
16	A facile one-pot hydrothermal synthesis as an efficient method to modulate the potassium content of cryptomelane and its effects on the redox and catalytic properties. Chinese Journal of Catalysis, 2019, 40, 940-952.	6.9	9
17	Size, nanostructure, and composition dependence of bimetallic Au-Pd supported on ceria-zirconia mixed oxide catalysts for selective oxidation of benzyl alcohol. Journal of Catalysis, 2019, 375, 44-55.	3.1	43
18	Catalytic Performance of Ni/CeO ₂ /X-ZrO ₂ (X = Ca, Y) Catalysts in the Aqueous-Phase Reforming of Methanol. Nanomaterials, 2019, 9, 1582.	1.9	34

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19	Physicochemical properties of nanostructured Pd/lanthanide-doped ceria spheres with high catalytic activity for CH ₄ combustion. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7488-7499.	5.2	14
20	Analytical determination of the reducing and stabilization agents present in different <i>Zostera noltii</i> extracts used for the biosynthesis of gold nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 32-38.	1.7	17
21	Selective Oxidation of Veratryl Alcohol over Au-Pd/Ce _{0.62} Zr _{0.38} O ₂ Catalysts Synthesized by Sol-Immobilization: Effect of Au:Pd Molar Ratio. <i>Nanomaterials</i> , 2018, 8, 669.	1.9	17
22	TiO ₂ -SiO ₂ Coatings with a Low Content of AuNPs for Producing Self-Cleaning Building Materials. <i>Nanomaterials</i> , 2018, 8, 177.	1.9	35
23	Nanostructured Pd Pt nanoparticles: evidences of structure/performance relations in catalytic H ₂ production reactions. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 88-98.	10.8	45
24	Direct conversion of cellulose to sorbitol over ruthenium catalysts: Influence of the support. <i>Catalysis Today</i> , 2017, 279, 244-251.	2.2	41
25	Promoting role of potassium in the reverse water gas shift reaction on Pt/mullite catalyst. <i>Catalysis Today</i> , 2017, 281, 319-326.	2.2	98
26	Non-Thermal Plasma Activation of Gold-Based Catalysts for Low-Temperature Water-Gas Shift Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 5671-5675.	1.6	11
27	Non-Thermal Plasma Activation of Gold-Based Catalysts for Low-Temperature Water-Gas Shift Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5579-5583.	7.2	77
28	Stacked wire-mesh monoliths for VOCs combustion: Effect of the mesh-opening in the catalytic performance. <i>Catalysis Today</i> , 2017, 296, 76-83.	2.2	31
29	Hot Electron Collection on Brookite Nanorods Lateral Facets for Plasmon-Enhanced Water Oxidation. <i>ACS Catalysis</i> , 2017, 7, 1270-1278.	5.5	53
30	Critical Influence of Redox Pretreatments on the CO Oxidation Activity of BaFeO ₃ Perovskites: An in-Depth Atomic-Scale Analysis by Aberration-Corrected and in Situ Diffraction Techniques. <i>ACS Catalysis</i> , 2017, 7, 8653-8663.	5.5	13
31	Influence of the Surface Chemistry of Multiwalled Carbon Nanotubes on the Selective Conversion of Cellulose into Sorbitol. <i>ChemCatChem</i> , 2017, 9, 888-896.	1.8	19
32	Carbon supported Ru-Ni bimetallic catalysts for the enhanced one-pot conversion of cellulose to sorbitol. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 265-274.	10.8	82
33	How Is the Personality of Facebook Customers?. <i>Advances in Business Strategy and Competitive Advantage Book Series</i> , 2017, , 191-229.	0.2	0
34	Engineering titania nanostructure to tune and improve its photocatalytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3966-3971.	3.3	106
35	Synergistic effect of bimetallic Au-Pd supported on ceria-zirconia mixed oxide catalysts for selective oxidation of glycerol. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 222-235.	10.8	62
36	A one-pot method for the enhanced production of xylitol directly from hemicellulose (corn cob) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.7	27

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37	Pd, Pt, and Pt-Cu Catalysts Supported on Carbon Nanotube (CNT) for the Selective Oxidation of Glycerol in Alkaline and Base-Free Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8548-8556.	1.8	46
38	Influence of pretreatment atmospheres on the performance of bimetallic Au-Pd supported on ceria-zirconia mixed oxide catalysts for benzyl alcohol oxidation. <i>Applied Catalysis A: General</i> , 2016, 525, 145-157.	2.2	35
39	Synthesis and photocatalytic application of visible-light active $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 171-180.	10.8	194
40	CO Oxidation over Bimetallic Au-Pd Supported on Ceria-Zirconia Catalysts: Effects of Oxidation Temperature and Au:Pd Molar Ratio. <i>Catalysis Letters</i> , 2016, 146, 144-156.	1.4	29
41	Photocatalytic valorization of ethanol and glycerol over TiO_2 polymorphs for sustainable hydrogen production. <i>Applied Catalysis A: General</i> , 2016, 518, 167-175.	2.2	45
42	Studies on bifunctional Fe-triazole spin crossover nanoparticles: time-dependent luminescence, surface grafting and the effect of a silica shell and hydrostatic pressure on the magnetic properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7819-7829.	2.7	69
43	Photocatalytic H_2 production by ethanol photodehydrogenation: Effect of anatase/brookite nanocomposites composition. <i>Inorganica Chimica Acta</i> , 2015, 431, 197-205.	1.2	41
44	Modification of carbon nanotubes by ball-milling to be used as ozonation catalysts. <i>Catalysis Today</i> , 2015, 249, 199-203.	2.2	48
45	Metal organic framework-mediated synthesis of highly active and stable Fischer-Tropsch catalysts. <i>Nature Communications</i> , 2015, 6, 6451.	5.8	325
46	Effect of solvent on the hydrogenation of 4-phenyl-2-butanone over Pt based catalysts. <i>Journal of Catalysis</i> , 2015, 330, 344-353.	3.1	49
47	Water as solvent in the liquid-phase selective hydrogenation of crotonaldehyde to crotyl alcohol over Pt/ZnO: A factorial design approach. <i>Applied Catalysis B: Environmental</i> , 2014, 154-155, 369-378.	10.8	12
48	Sonosynthesis of gold nanoparticles from a geranium leaf extract. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1570-1577.	3.8	49
49	The role of rhodium in the mechanism of the water-gas shift over zirconia supported iron oxide. <i>Journal of Catalysis</i> , 2014, 313, 34-45.	3.1	30
50	Understanding the Role of Oxygen Vacancies in the Water Gas Shift Reaction on Ceria-Supported Platinum Catalysts. <i>ACS Catalysis</i> , 2014, 4, 2088-2096.	5.5	176
51	Critical role of water in the direct oxidation of CO and hydrocarbons in diesel exhaust after treatment catalysis. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 764-769.	10.8	42
52	Application of halohydrocarbons for the re-dispersion of gold particles. <i>Catalysis Science and Technology</i> , 2014, 4, 729.	2.1	26
53	Viability of $\text{Au/CeO}_2/\text{ZnO}/\text{Al}_2\text{O}_3$ Catalysts for Pure Hydrogen Production by the Water-Gas Shift Reaction. <i>ChemCatChem</i> , 2014, 6, 1401-1409.	1.8	21
54	Reversible deactivation of a $\text{Au/Ce}_0.62\text{Zr}_0.38\text{O}_2$ catalyst in CO oxidation: A systematic study of CO_2 -triggered carbonate inhibition. <i>Journal of Catalysis</i> , 2014, 316, 210-218.	3.1	45

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55	Selective hydrogenation of benzoic acid over Au supported on CeO ₂ and Ce _{0.62} Zr _{0.38} O ₂ : Formation of benzyl alcohol. <i>Journal of Catalysis</i> , 2014, 317, 114-125.	3.1	39
56	Use of Short Time-on-Stream Attenuated Total Internal Reflection Infrared Spectroscopy To Probe Changes in Adsorption Geometry for Determination of Selectivity in the Hydrogenation of Citral. <i>ACS Catalysis</i> , 2014, 4, 2470-2478.	5.5	32
57	Structural characterisation of Ni/alumina reforming catalysts activated at high temperatures. <i>Applied Catalysis A: General</i> , 2013, 466, 9-20.	2.2	126
58	UNDERSTANDING CERIA-BASED CATALYTIC MATERIALS: AN OVERVIEW OF RECENT PROGRESS. <i>Catalytic Science Series</i> , 2013, , 47-138.	0.6	2
59	Gold nanoparticles protected by fluorinated ligands for 19F MRI. <i>Chemical Communications</i> , 2013, 49, 8794.	2.2	36
60	Performance of NiO and Ni ¹⁰⁰ Nb ¹⁰⁰ O active phases during the ethane ammoxidation into acetonitrile. <i>Catalysis Science and Technology</i> , 2013, 3, 3173.	2.1	26
61	Impact of Ce ¹⁰⁰ Fe synergism on the catalytic behaviour of Au/CeO ₂ -FeO _x /Al ₂ O ₃ for pure H ₂ production. <i>Catalysis Science and Technology</i> , 2013, 3, 779-787.	2.1	38
62	Surface modification of Ni/Al ₂ O ₃ with Pt: Highly efficient catalysts for H ₂ generation via selective decomposition of hydrous hydrazine. <i>Journal of Catalysis</i> , 2013, 298, 1-9.	3.1	137
63	Preferential oxidation of CO in the presence of excess of hydrogen on Ru/Al ₂ O ₃ catalyst: Promoting effect of ceria-terbia mixed oxide. <i>Journal of Catalysis</i> , 2013, 299, 272-283.	3.1	21
64	Dramatic effect of redox pre-treatments on the CO oxidation activity of Au/Ce _{0.50} Tb _{0.12} Zr _{0.38} O _{2-x} catalysts prepared by deposition-precipitation with urea: a nano-analytical and nano-structural study. <i>Chemical Communications</i> , 2013, 49, 6722.	2.2	7
65	Surface Reduction Mechanism of Cerium-Gallium Mixed Oxides with Enhanced Redox Properties. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8822-8831.	1.5	33
66	Photophysical properties of [Ir(tpy) ₂] ³⁺ -doped silica nanoparticles and synthesis of a colour-tunable material based on an Ir(core)-Eu(shell) derivative. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3808.	2.7	15
67	Reducible Support Effects in the Gas Phase Hydrogenation of <i>p</i> -Chloronitrobenzene over Gold. <i>Journal of Physical Chemistry C</i> , 2013, 117, 994-1005.	1.5	40
68	H ₂ production by selective photo-dehydrogenation of ethanol in gas and liquid phase on CuO _x /TiO ₂ nanocomposites. <i>RSC Advances</i> , 2013, 3, 21776.	1.7	70
69	Selective Oxidation of Glycerol over Platinum-Based Catalysts Supported on Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17390-17398.	1.8	33
70	Study of the Electrocatalytic Activity of Cerium Oxide and Gold-Studded Cerium Oxide Nanoparticles Using a Sonogel-Carbon Material as Supporting Electrode: Electroanalytical Study in Apple Juice for Babies. <i>Sensors</i> , 2013, 13, 4979-5007.	2.1	18
71	Selective Oxidation of Glycerol Catalyzed by Gold Supported on Multiwalled Carbon Nanotubes with Different Surface Chemistries. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15884-15894.	1.8	42
72	A new approach to the ferritin iron core growth: influence of the H/L ratio on the core shape. <i>Dalton Transactions</i> , 2012, 41, 1320-1324.	1.6	55

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73	Selective oxidative dehydrogenation of ethane over SnO ₂ -promoted NiO catalysts. Journal of Catalysis, 2012, 295, 104-114.	3.1	87
74	Exceptional Activity for Methane Combustion over Modular Pd@CeO ₂ Subunits on Functionalized Al ₂ O ₃ . Science, 2012, 337, 713-717.	6.0	842
75	The role of Pd-Ga bimetallic particles in the bifunctional mechanism of selective methanol synthesis via CO ₂ hydrogenation on a Pd/Ga ₂ O ₃ catalyst. Journal of Catalysis, 2012, 292, 90-98.	3.1	136
76	Influence of PVP in magnetic properties of NiSn nanoparticles prepared by polyol method. Journal of Magnetism and Magnetic Materials, 2012, 324, 4011-4018.	1.0	12
77	Imaging Nanostructural Modifications Induced by Electronic Metal-Support Interaction Effects at Au Cerium-Based Oxide Nanointerfaces. ACS Nano, 2012, 6, 6812-6820.	7.3	29
78	Facile Synthesis of Ultrathin AuCu Dimetallic Nanowire Networks. European Journal of Inorganic Chemistry, 2012, 2012, 2700-2706.	1.0	25
79	A Noble-Metal-Free Catalyst Derived from Ni-Al Hydrotalcite for Hydrogen Generation from N ₂ H ₄ ·H ₂ O Decomposition. Angewandte Chemie - International Edition, 2012, 51, 6191-6194.	7.2	222
80	Resin-Derived Hierarchical Porous Carbon Spheres with High Catalytic Performance in the Oxidative Dehydrogenation of Ethylbenzene. ChemSusChem, 2012, 5, 687-693.	3.6	23
81	Total oxidation of ethyl acetate, ethanol and toluene catalyzed by exotemplated manganese and cerium oxides loaded with gold. Catalysis Today, 2012, 180, 148-154.	2.2	85
82	The effect of reaction conditions on the apparent deactivation of Ce-Zr mixed oxides for the catalytic wet oxidation of phenol. Catalysis Today, 2012, 180, 25-33.	2.2	25
83	Synthesis of ceria-praseodimia nanotubes with high catalytic activity for CO oxidation. Catalysis Today, 2012, 180, 167-173.	2.2	26
84	Serafín Bernal: Profile of an excellent professor. Catalysis Today, 2012, 180, 1.	2.2	0
85	Activation processes of highly ordered carbon nanofibers in the oxidative dehydrogenation of ethylbenzene. Catalysis Today, 2012, 186, 93-98.	2.2	28
86	Structure transformations and reducibility of nanocrystalline Ce _{1-x} Yb _x O _{2-x/2} mixed oxides. Catalysis Today, 2012, 187, 56-64.	2.2	22
87	Gold supported on carbon nanotubes for the selective oxidation of glycerol. Journal of Catalysis, 2012, 285, 83-91.	3.1	107
88	Low-Temperature Selective Catalytic Reduction (SCR) of NO _x with n-Octane Using Solvent-Free Mechanochemically Prepared Ag/Al ₂ O ₃ Catalysts. ACS Catalysis, 2011, 1, 1257-1262.	5.5	54
89	From synthetic to natural nanoparticles: monitoring the biodegradation of SPIO (P904) into ferritin by electron microscopy. Nanoscale, 2011, 3, 4597.	2.8	34
90	Magnetic Nanoparticles-Templated Assembly of Protein Subunits: A New Platform for Carbohydrate-Based MRI Nanoprobos. Journal of the American Chemical Society, 2011, 133, 4889-4895.	6.6	79

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91	Recent Progress in Chemical Characterization of Supported Gold Catalysts: CO Adsorption on Au/Ceria-Zirconia. <i>Chemistry Letters</i> , 2011, 40, 1210-1216.	0.7	9
92	Influence of activated carbon surface chemistry on the activity of Au/AC catalysts in glycerol oxidation. <i>Journal of Catalysis</i> , 2011, 281, 119-127.	3.1	101
93	VOCs combustion catalysed by platinum supported on manganese octahedral molecular sieves. <i>Applied Catalysis B: Environmental</i> , 2011, 110, 231-237.	10.8	54
94	Enhancement of the selectivity to dihydroxyacetone in glycerol oxidation using gold nanoparticles supported on carbon nanotubes. <i>Catalysis Communications</i> , 2011, 16, 64-69.	1.6	68
95	Activation of Alkanes by Gold-Modified Lanthanum Oxide. <i>ChemCatChem</i> , 2011, 3, 394-398.	1.8	17
96	Nanostructured Cu/TiO ₂ Photocatalysts for H ₂ Production from Ethanol and Glycerol Aqueous Solutions.. <i>ChemCatChem</i> , 2011, 3, 574-577.	1.8	158
97	Advanced Electron Microscopy Investigation of Ceria-Zirconia-Based Catalysts. <i>ChemCatChem</i> , 2011, 3, 1015-1027.	1.8	16
98	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. <i>Catalysis Letters</i> , 2011, 141, 420-431.	1.4	48
99	Gold Catalysts Supported on Cerium-Gallium Mixed Oxide for the Carbon Monoxide Oxidation and Water Gas Shift Reaction. <i>Topics in Catalysis</i> , 2011, 54, 201-209.	1.3	31
100	CO Oxidation Activity of a Au/Ceria-Zirconia Catalyst Prepared by Deposition-Precipitation with Urea. <i>Topics in Catalysis</i> , 2011, 54, 931-940.	1.3	23
101	Bifunctional Hybrid SiO ₂ Nanoparticles Showing Synergy between Core Spin Crossover and Shell Luminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3290-3293.	7.2	127
102	Influence of the Preparation Procedure on the Catalytic Activity of Gold Supported on Diamond Nanoparticles for Phenol Peroxidation. <i>Chemistry - A European Journal</i> , 2011, 17, 9494-9502.	1.7	44
103	Nano-structural investigation of Ag/Al ₂ O ₃ catalyst for selective removal of O ₂ with excess H ₂ in the presence of C ₂ H ₄ . <i>Applied Catalysis A: General</i> , 2011, 391, 187-193.	2.2	21
104	Mn-SBA15 catalysts prepared by impregnation: Influence of the manganese precursor. <i>Applied Catalysis A: General</i> , 2011, 400, 238-248.	2.2	69
105	Carbon Monoxide Oxidation Catalysed by Exotemplated Manganese Oxides. <i>Catalysis Letters</i> , 2010, 134, 217-227.	1.4	65
106	Contributions of Electron Microscopy to Understanding CO Adsorption on Powder Au/Ceria-Zirconia Catalysts. <i>Chemistry - A European Journal</i> , 2010, 16, 9536-9543.	1.7	16
107	Bridging the Gap between CO Adsorption Studies on Gold Model Surfaces and Supported Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1981-1985.	7.2	35
108	Fully Reversible Metal Deactivation Effects in Gold/Ceria-Zirconia Catalysts: Role of the Redox State of the Support. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9744-9748.	7.2	42

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109	Exotemplated ceria catalysts with gold for CO oxidation. <i>Applied Catalysis A: General</i> , 2010, 381, 150-160.	2.2	74
110	Tuning operational conditions for efficient NO _x storage and reduction over a Pt/Ba/Al ₂ O ₃ monolith catalyst. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 329-337.	10.8	26
111	Influence of the microstructure of carbon nanotubes on the oxidative dehydrogenation of ethylbenzene to styrene. <i>Catalysis Today</i> , 2010, 150, 49-54.	2.2	46
112	Deactivation of Pt/MnO _x /CeO ₂ catalysts for the catalytic wet oxidation of phenol: Formation of carbonaceous deposits and leaching of manganese. <i>Catalysis Today</i> , 2010, 154, 195-201.	2.2	25
113	Electron Microscopy Investigations of Nanostructured Ce/Mn Oxides for Catalytic Wet Oxidation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8981-8991.	1.5	16
114	CuO/TiO ₂ Photocatalysts for H ₂ Production from Ethanol and Glycerol Solutions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3916-3925.	1.1	239
115	Photocatalytic Production of Hydrogen Over Tailored Cu-Embedded TiO ₂ . <i>Nanoscience and Nanotechnology Letters</i> , 2009, 1, 128-133.	0.4	6
116	Deactivation and regeneration of ruthenium on silica in the liquid-phase hydrogenation of butan-2-one. <i>Journal of Catalysis</i> , 2009, 265, 80-88.	3.1	44
117	³ D Characterization of Gold Nanoparticles Supported on Heavy Metal Oxide Catalysts by HAADF-STEM Electron Tomography. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5313-5315.	7.2	72
118	Highly Ordered Mesoporous Carbon as Catalyst for Oxidative Dehydrogenation of Ethylbenzene to Styrene. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1108-1113.	1.7	65
119	Fibrous MnO ₂ Nanoparticles with (2 Å – 2) Tunnel Structures. Catalytic Activity in the Total Oxidation of Volatile Organic Compounds. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3837-3842.	0.9	10
120	Manganese cryptomelane-type oxides: A thermo-kinetic and morphological study. <i>Applied Surface Science</i> , 2008, 254, 3006-3013.	3.1	11
121	Mount Etna-Lava-Supported Nanocarbons for Oxidative Dehydrogenation Reactions. <i>Advanced Materials</i> , 2008, 20, 3597-3600.	11.1	33
122	Photocatalytic degradation of 2,4-dichlorophenoxyacetic acid using nanocrystalline cryptomelane composite catalysts. <i>Journal of Molecular Catalysis A</i> , 2008, 281, 107-112.	4.8	45
123	A Novel Catalyst for Synthesis of Styrene: Carbon Nanofibers Immobilized on Activated Carbon. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3495-3501.	0.9	24
124	The role of the carbonaceous deposits in the Catalytic Wet Oxidation (CWO) of phenol. <i>Catalysis Communications</i> , 2006, 7, 639-643.	1.6	34
125	Supported carbon nanofibers for the fixed-bed synthesis of styrene. <i>Carbon</i> , 2006, 44, 809-812.	5.4	46
126	Immobilized carbon nanofibers as industrial catalyst for ODH reactions. <i>Journal of Catalysis</i> , 2006, 244, 126-129.	3.1	67

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127	Nanocarbons in selective oxidative dehydrogenation reaction. <i>Catalysis Today</i> , 2005, 102-103, 110-114.	2.2	144
128	Preparation and characterization of Ce _{1-x} Mn _x O composites with applications in catalytic wet oxidation processes. <i>Surface and Interface Analysis</i> , 2004, 36, 752-755.	0.8	36
129	Optimization of tin dioxide nanosticks faceting for the improvement of palladium nanocluster epitaxy. <i>Applied Physics Letters</i> , 2002, 80, 329-331.	1.5	70
130	Investigation by Means of H ₂ Adsorption, Diffraction, and Electron Microscopy Techniques of a Cerium/Terbium Mixed Oxide Supported on a Lanthana-Modified Alumina. <i>Chemistry of Materials</i> , 2002, 14, 844-850.	3.2	26
131	Influence of the noble metal on the properties as oxygen exchanger of Rh/LnO _x systems (Ln: Ce, Tb): Application of the oxygen buffering capacity (OBC) technique. <i>Journal of Alloys and Compounds</i> , 2002, 344, 347-351.	2.8	6
132	Highly active and stable Co (Co ₃ O ₄) _x Sm ₂ O ₃ nano-crystallites derived from Sm ₂ Co ₇ and SmCo ₅ intermetallic compounds in NH ₃ synthesis and CO ₂ conversion. <i>Catalysis Science and Technology</i> , 0, , .	2.1	0