Inmaculada Rodriguez-Ramos

List of Publications by Year
in descending order

264 papers	8,401 citations	47006 47 h-index	74163 75 g-index
273 all docs	273 docs citations	273 times ranked	8321 citing authors

#	Article	IF	Citations
1	Interaction of Carbon Dioxide with the Surface of Zirconia Polymorphs. Langmuir, 1998, 14, 3556-3564.	3.5	286
2	Comparative study at low and medium reaction temperatures of syngas production by methane reforming with carbon dioxide over silica and alumina supported catalysts. Applied Catalysis A: General, 1998, 170, 177-187.	4.3	207
3	Mechanistic aspects of the dry reforming of methane over ruthenium catalysts. Applied Catalysis A: General, 2000, 202, 183-196.	4.3	204
4	Characterization of carbon nanotubes and carbon nanofibers prepared by catalytic decomposition of acetylene in a fluidized bed reactor. Journal of Catalysis, 2003, 215, 305-316.	6.2	189
5	Hydrogenase-Coated Carbon Nanotubes for Efficient H2 Oxidation. Nano Letters, 2007, 7, 1603-1608.	9.1	177
6	Study of some factors affecting the Ru and Pt dispersions over high surface area graphite-supported catalysts. Applied Catalysis A: General, 1998, 173, 313-321.	4.3	155
7	The use of carbon nanotubes with and without nitrogen doping as support for ruthenium catalysts in the ammonia decomposition reaction. Carbon, 2010, 48, 267-276.	10.3	144
8	Platinum catalysts supported on activated carbons I. Preparation and characterization. Journal of Catalysis, 1986, 99, 171-183.	6.2	135
9	Methane combustion over supported palladium catalysts. Applied Catalysis B: Environmental, 2000, 28, 223-233.	20.2	134
10	Role of B5-Type Sites in Ru Catalysts used for the NH3 Decomposition Reaction. Topics in Catalysis, 2009, 52, 758-764.	2.8	132
11	Thermodynamic and experimental study of combined dry and steam reforming of methane on Ru/ZrO2-La2O3 catalyst at low temperature. International Journal of Hydrogen Energy, 2011, 36, 15212-15220.	7.1	129
12	Transient studies of low-temperature dry reforming of methane over Ni-CaO/ZrO2-La2O3. Applied Catalysis B: Environmental, 2013, 129, 450-459.	20.2	120
13	Surface chemical modifications induced on high surface area graphite and carbon nanofibers using different oxidation and functionalization treatments. Journal of Colloid and Interface Science, 2011, 355, 179-189.	9.4	110
14	Catalytic wet air oxidation of phenol and acrylic acid over Ru/C and Ruâ€"CeO2/C catalysts. Applied Catalysis B: Environmental, 2000, 25, 267-275.	20.2	101
15	Growing mechanism of CNTs: a kinetic approach. Journal of Catalysis, 2004, 224, 197-205.	6.2	99
16	Novel electrochemical sensor based on N-doped carbon nanotubes and Fe3O4 nanoparticles: Simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. Journal of Colloid and Interface Science, 2014, 432, 207-213.	9.4	99
17	A Transient Kinetic Study of the Carbon Dioxide Reforming of Methane over Supported Ru Catalysts. Journal of Catalysis, 1999, 184, 202-212.	6.2	96
18	Palladium sulphide â€" A highly selective catalyst for the gas phase hydrogenation of alkynes to alkenes. Journal of Catalysis, 2016, 340, 10-16.	6.2	96

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19	Selective Reduction of NOxwith Propene under Oxidative Conditions:Â Nature of the Active Sites on Copper-Based Catalysts. Journal of the American Chemical Society, 1997, 119, 2905-2914.	13.7	93
20	High purity hydrogen production by low temperature catalytic ammonia decomposition in a multifunctional membrane reactor. Catalysis Communications, 2008, 9, 482-486.	3.3	92
21	Adsorption of emerging pollutants on functionalized multiwall carbon nanotubes. Chemosphere, 2015, 136, 174-180.	8.2	88
22	Influence of Si/Zr ratio on the formation of surface acidity in silica-zirconia aerogels. Journal of Catalysis, 2000, 192, 344-354.	6.2	83
23	Hydrogenation of Citral on Activated Carbon and High-Surface-Area Graphite-Supported Ruthenium Catalysts Modified with Iron. Journal of Catalysis, 2001, 204, 450-459.	6.2	83
24	MnFe2O4@CNT-N as novel electrochemical nanosensor for determination of caffeine, acetaminophen and ascorbic acid. Sensors and Actuators B: Chemical, 2015, 218, 128-136.	7.8	83
25	Dehydrogenation of methanol to methyl formate over supported copper catalysts. Applied Catalysis, 1991, 72, 119-137.	0.8	82
26	Carbon monoxide hydrogenation over carbon supported cobalt or ruthenium catalysts. promoting effects of magnesium, vanadium and cerium oxides. Applied Catalysis A: General, 1994, 120, 71-83.	4.3	81
27	Methane interaction with silica and alumina supported metal catalysts. Applied Catalysis A: General, 1997, 148, 343-356.	4.3	76
28	Effect of carbon nanofiber functionalization on the adsorption properties of volatile organic compounds. Journal of Chromatography A, 2008, 1188, 264-273.	3.7	76
29	Influence of Mg and Ce addition to ruthenium based catalysts used in the selective hydrogenation of Î±,Î²-unsaturated aldehydes. Applied Catalysis A: General, 2001, 205, 227-237.	4.3	75
30	Reduction of NOx in C3H6/air mixtures over Cu/Al2O3 catalysts. Applied Catalysis B: Environmental, 1997, 14, 189-202.	20.2	68
31	Effect of surface area and physicalâ€“chemical properties of graphite and graphene-based materials on their adsorption capacity towards metronidazole and trimethoprim antibiotics in aqueous solution. Chemical Engineering Journal, 2020, 402, 126155.	12.7	67
32	Oxydehydrogenation of ethylbenzene to styrene catalyzed by graphites and activated carbons. Carbon, 1994, 32, 23-29.	10.3	63
33	Comparative study of the hydrogenolysis of glycerol over Ru-based catalysts supported on activated carbon, graphite, carbon nanotubes and KL-zeolite. Chemical Engineering Journal, 2015, 262, 326-333.	12.7	59
34	Role of the residual chlorides in platinum and ruthenium catalysts for the hydrogenation of Î±,Î²-unsaturated aldehydes. Applied Catalysis A: General, 2000, 192, 289-297.	4.3	58
35	Modification of the adsorption properties of high surface area graphites by oxygen functional groups. Carbon, 2008, 46, 2096-2106.	10.3	58
36	Selective hydrogenation of mixed alkyne/alkene streams at elevated pressure over a palladium sulfide catalyst. Journal of Catalysis, 2017, 355, 40-52.	6.2	56

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37	Tracking Down the Reduction Behavior of Copper-on-Alumina Catalysts. Journal of Catalysis, 1998, 178, 253-263.	6.2	54
38	Development of highly efficient Cu versus Pd catalysts supported on graphitic carbon materials for the reduction of 4-nitrophenol to 4-aminophenol at room temperature. Carbon, 2017, 111, 150-161.	10.3	54
39	Synthesis and characterization of carbon black supported Ptâ€“Ru alloy as a model catalyst for fuel cells. Catalysis Today, 2004, 93-95, 619-626.	4.4	52
40	Modification of catalytic properties over carbon supported Ruâ€“Cu and Niâ€“Cu bimetallics. Applied Catalysis A: General, 2006, 300, 120-129.	4.3	51
41	Evaluation of the Role of the Metalâ€“Support Interfacial Centers in the Dry Reforming of Methane on Alumina-Supported Rhodium Catalysts. Journal of Catalysis, 2000, 190, 296-308.	6.2	50
42	Selective Deposition of Gold Nanoparticles on or Inside Carbon Nanotubes and Their Catalytic Activity for Preferential Oxidation of CO. European Journal of Inorganic Chemistry, 2010, 2010, 5096-5102.	2.0	50
43	Effect of the functional groups of carbon on the surface and catalytic properties of Ru/C catalysts for hydrogenolysis of glycerol. Applied Surface Science, 2013, 287, 108-116.	6.1	50
44	The effect of Cu loading on Ni/carbon nanotubes catalysts for hydrodeoxygenation of guaiacol. RSC Advances, 2016, 6, 26658-26667.	3.6	50
45	On the applicability of membrane technology to the catalysed dry reforming of methane. Applied Catalysis A: General, 2002, 237, 239-252.	4.3	49
46	Dehydrogenation of methanol to methyl formate over copper-containing perovskite-type oxides. Applied Catalysis, 1991, 68, 217-228.	0.8	48
47	Comparative Study by Infrared Spectroscopy and Microcalorimetry of the CO Adsorption over Supported Palladium Catalysts. Langmuir, 2000, 16, 8100-8106.	3.5	48
48	Removal of no over carbon-supported copper catalysts. I. Reactivity of no with graphite and activated carbon. Carbon, 1996, 34, 339-346.	10.3	46
49	TAP studies of ammonia decomposition over Ru and Ir catalysts. Physical Chemistry Chemical Physics, 2011, 13, 12892.	2.8	46
50	Optimization of ruthenium based catalysts for the aqueous phase hydrogenation of furfural to furfuryl alcohol. Applied Catalysis A: General, 2018, 563, 177-184.	4.3	45
51	Further insights into the Ru nanoparticlesâ€“carbon interactions and their role in the catalytic properties. Carbon, 2005, 43, 2711-2722.	10.3	44
52	Dry reforming of methane using Pd-based membrane reactors fabricated from different substrates. Journal of Membrane Science, 2013, 435, 218-225.	8.2	44
53	Reactions of propene on supported molybdenum and tungsten oxides. Journal of Molecular Catalysis A, 1995, 95, 147-154.	4.8	43
54	Isotopic tracing experiments in syngas production from methane on Ru/Al2O3 and Ru/SiO2. Catalysis Today, 1998, 46, 99-105.	4.4	43

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55	Chemoselective hydrogenation of cinnamaldehyde: A comparison of the immobilization of Ruâ€“phosphine complex on graphite oxide and on graphitic surfaces. Journal of Catalysis, 2011, 282, 299-309.	6.2	43
56	Porous carbon as support for iron and ruthenium catalysts. Fuel, 1984, 63, 1089-1094.	6.4	42
57	Modifications of the citral hydrogenation selectivities over Ru/KL-zeolite catalysts induced by the metal precursors. Catalysis Today, 2005, 107-108, 302-309.	4.4	42
58	Polyoxotungstate@Carbon Nanocomposites As Oxygen Reduction Reaction (ORR) Electrocatalysts. Langmuir, 2018, 34, 6376-6387.	3.5	41
59	Carbon nanostrutured materials as direct catalysts for phenol oxidation in aqueous phase. Applied Catalysis B: Environmental, 2011, 104, 101-109.	20.2	40
60	The role of alpha-iron and cementite phases in the growing mechanism of carbon nanotubes: a 57Fe MÃ¶ssbauer spectroscopy study. Physical Chemistry Chemical Physics, 2006, 8, 1230.	2.8	39
61	Preparation of nitrogen-containing carbon nanotubes and study of their performance as basic catalysts. Applied Catalysis A: General, 2013, 458, 155-161.	4.3	39
62	Design of surface sites for the selective hydrogenation of 1,3-butadiene on Pd nanoparticles: Cu bimetallic formation and sulfur poisoning. Catalysis Science and Technology, 2014, 4, 1446-1455.	4.1	39
63	Comparative study of three heteropolyacids supported on carbon materials as catalysts for ethylene production from bioethanol. Catalysis Science and Technology, 2017, 7, 1892-1901.	4.1	39
64	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. Catalysis Today, 2018, 301, 65-71.	4.4	39
65	Detecting the Genesis of a High-Performance Carbon-Supported Pd Sulfide Nanophase and Its Evolution in the Hydrogenation of Butadiene. ACS Catalysis, 2015, 5, 5235-5241.	11.2	38
66	The role of nitrogen and oxygen surface groups in the behavior of carbon-supported iron and ruthenium catalysts. Carbon, 1988, 26, 417-423.	10.3	37
67	On the Performance of Porous Vycor Membranes for Conversion Enhancement in the Dehydrogenation of Methylcyclohexane to Toluene. Journal of Catalysis, 2002, 212, 182-192.	6.2	37
68	Ruthenium-supported catalysts for the stereoselective hydrogenation of paracetamol to 4--acetamidocyclohexanol: effect of support, metal precursor, and solvent. Journal of Catalysis, 2005, 229, 439-445.	6.2	37
69	Nitrate reduction over a Pd-Cu/MWCNT catalyst: application to a polluted groundwater. Environmental Technology (United Kingdom), 2012, 33, 2353-2358.	2.2	37
70	Well-dispersed Rh nanoparticles with high activity for the dry reforming of methane. International Journal of Hydrogen Energy, 2017, 42, 16127-16138.	7.1	37
71	Platinum catalysts supported on activated carbons II. Isomerization and hydrogenolysis of n-butane. Journal of Catalysis, 1987, 107, 1-7.	6.2	35
72	Sulfur-resistant carbon-supported iridium catalysts: Cyclohexane dehydrogenation and benzene hydrogenation. Journal of Catalysis, 1992, 135, 458-466.	6.2	35

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73	Effect of the metal precursor on the surface site distribution of Al2O3-supported Ru catalysts: catalytic effects on the n-butane/H2 test. Applied Catalysis A: General, 2005, 283, 23-32.	4.3	35
74	Adsorption capacity of different types of carbon nanotubes towards metronidazole and dimetridazole antibiotics from aqueous solutions: effect of morphology and surface chemistry. Environmental Science and Pollution Research, 2020, 27, 17123-17137.	5.3	35
75	Bifunctional pathways in the carbon dioxide reforming of methane over MgO-promoted Ru/C catalysts. Catalysis Letters, 2000, 66, 33-37.	2.6	34
76	The promoter effect of potassium in CuO/CeO₂ systems supported on carbon nanotubes and graphene for the CO-PROX reaction. Catalysis Science and Technology, 2016, 6, 6118-6127.	4.1	34
77	Nature Of Surface Sites In The Selective Oxide Hydrogenation Of Propane Over V-Mg-O Catalysts. Studies in Surface Science and Catalysis, 1992, , 203-212.	1.5	33
78	Spectroscopic studies of surface copper spinels. Influence of pretreatments on chemical state of copper. Surface and Interface Analysis, 1993, 20, 1067-1074.	1.8	33
79	Study of CO chemisorption on graphite-supported Ruâ€“Cu and Niâ€“Cu bimetallic catalysts. Thermochimica Acta, 2005, 434, 113-118.	2.7	33
80	Cooperative action of cobalt and MgO for the catalysed reforming of CH4 with CO2. Catalysis Today, 1994, 21, 545-550.	4.4	32
81	Title is missing!. Topics in Catalysis, 2002, 19, 303-311.	2.8	32
82	Influence of the nature of support on Ru-supported catalysts for selective hydrogenation of citral. Chemical Engineering Journal, 2012, 204-206, 169-178.	12.7	32
83	Efficient hydrogen production from glycerol by steam reforming with carbon supported ruthenium catalysts. Carbon, 2016, 96, 578-587.	10.3	32
84	Efficient and stable Niâ€“Ce glycerol reforming catalysts: Chemical imaging using X-ray electron and scanning transmission microscopy. Applied Catalysis B: Environmental, 2015, 165, 139-148.	20.2	31
85	Ruthenium particle size and cesium promotion effects in Fischerâ€“Tropsch synthesis over high-surface-area graphite supported catalysts. Catalysis Science and Technology, 2017, 7, 1235-1244.	4.1	31
86	Cu and Pd nanoparticles supported on a graphitic carbon material as bifunctional HER/ORR electrocatalysts. Catalysis Today, 2020, 357, 279-290.	4.4	31
87	Ru nanoparticles supported on N-doped reduced graphene oxide as valuable catalyst for the selective aerobic oxidation of benzyl alcohol. Catalysis Today, 2020, 357, 8-14.	4.4	30
88	Carbon supported bimetallic catalysts containing iron. Applied Catalysis A: General, 1992, 81, 81-100.	4.3	29
89	Simultaneous hydrodesulfurization of thiophene and hydrogenation of cyclohexene over dimolybdenum nitride catalysts. Applied Catalysis A: General, 1999, 180, 237-245.	4.3	29
90	Effect of the carbon support nano-structures on the performance of Ru catalysts in the hydrogenation of paracetamol. Carbon, 2008, 46, 1046-1052.	10.3	29

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91	Study of the surface species formed from the interaction of NO and CO with copper ions in ZSM-5 and Y zeolites. Applied Surface Science, 1994, 78, 477-484.	6.1	28
92	Removal of NO over carbon supported copper catalysts: II. Evaluation of catalytic properties under different reaction conditions. Carbon, 1996, 34, 1509-1514.	10.3	28
93	In situ study of carbon nanotube formation by C2H2 decomposition on an iron-based catalyst. Carbon, 2000, 38, 2003-2006.	10.3	28
94	Comparative study of Cu, Ag and Ag-Cu catalysts over graphite in the ethanol dehydrogenation reaction: Catalytic activity, deactivation and regeneration. Applied Catalysis A: General, 2019, 576, 54-64.	4.3	28
95	Tunable selectivity of Ni catalysts in the hydrogenation reaction of 5-hydroxymethylfurfural in aqueous media: Role of the carbon supports. Carbon, 2021, 182, 265-275.	10.3	28
96	New Insights on the Mechanism of the NO Reduction with CO over Alumina-Supported Copper Catalysts. The Journal of Physical Chemistry, 1995, 99, 16380-16382.	2.9	27
97	Hydrogen adsorbed species at the metal/support interface on a Pt/Al2O3catalyst. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 3563-3567.	1.7	27
98	Specific Interactions between Aromatic Electrons of Organic Compounds and Graphite Surfaces As Detected by Immersion Calorimetry. Langmuir, 2004, 20, 1013-1015.	3.5	27
99	High nitrogen doped graphenes and their applicability as basic catalysts. Diamond and Related Materials, 2014, 44, 26-32.	3.9	27
100	Effect of electrolytes nature and concentration on the morphology and structure of MoS2 nanomaterials prepared using one-pot solvothermal method. Applied Surface Science, 2014, 307, 319-326.	6.1	27
101	Carbon-supported bimetallic catalysts containing iron. Applied Catalysis A: General, 1992, 81, 101-112.	4.3	26
102	Preparation, Characterization, and Activity forn-Hexane Reactions of Alumina-Supported Rhodiumâ€“Copper Catalysts. Journal of Catalysis, 1997, 171, 374-382.	6.2	26
103	Oxidative dehydrogenation of isobutane over magnesium molybdate catalysts. Catalysis Today, 2000, 61, 377-382.	4.4	26
104	Pure hydrogen production from methylcyclohexane using a new high performance membrane reactor. Chemical Communications, 2002, , 2082-2083.	4.1	26
105	Effect of nickel precursor and the copper addition on the surface properties of Ni/KL-supported catalysts for selective hydrogenation of citral. Applied Catalysis A: General, 2008, 348, 241-250.	4.3	26
106	Improved performance of carbon nanofiber-supported palladium particles in the selective 1,3-butadiene hydrogenation: Influence of carbon nanostructure, support functionalization treatment and metal precursor. Catalysis Today, 2015, 249, 63-71.	4.4	26
107	Multifunctional mixed valence N-doped CNT@MFe₂O₄ hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. Nanoscale, 2018, 10, 12820-12840.	5.6	26
108	Adsorption capacity of Saran carbons at high temperatures and under dynamic conditions. Carbon, 1984, 22, 301-304.	10.3	25

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109	Modification of the stereoselectivity in the citral hydrogenation by application of carbon nanotubes as support of the Pt particles. Carbon, 2006, 44, 804-806.	10.3	25
110	Comparative study of support effects in ruthenium catalysts applied for wet air oxidation of aromatic compounds. Catalysis Today, 2009, 143, 355-363.	4.4	25
111	Hydrogenolysis of n-butane and hydrogenation of carbon monoxide on Ni and Co catalysts supported on saran carbons. Applied Catalysis, 1985, 14, 159-172.	0.8	24
112	Hydrogenation of CO on carbon-supported iron catalysts prepared from iron penta-carbonyl. Applied Catalysis, 1986, 21, 251-261.	0.8	24
113	Catalytic activity of layered Î±-(tin or zirconium) phosphates and chromia-pillared derivatives for isopropyl alcohol decomposition. Applied Catalysis A: General, 1992, 92, 81-92.	4.3	24
114	Mechanism of hydrogen spillover over carbon supported metal catalysts. Studies in Surface Science and Catalysis, 1997, 112, 241-250.	1.5	24
115	Catalytic properties of carbon-supported ruthenium catalysts for n-hexane conversion. Applied Catalysis A: General, 1998, 173, 231-238.	4.3	24
116	Syntheses of CNTs over several iron-supported catalysts: influence of the metallic precursors. Catalysis Today, 2004, 93-95, 681-687.	4.4	24
117	Surface and structural effects in the hydrogenation of citral over RuCu/KL catalysts. Microporous and Mesoporous Materials, 2006, 97, 122-131.	4.4	24
118	Selective hydrogenation of citral over Pt/KL type catalysts doped with Sr, La, Nd and Sm. Applied Catalysis A: General, 2011, 401, 56-64.	4.3	24
119	Promotional effect of Cu on the structure and chloronitrobenzene hydrogenation performance of carbon nanotube and activated carbon supported Pt catalysts. Applied Catalysis A: General, 2013, 464-465, 28-34.	4.3	24
120	Direct sulfation of a Zr-based metal-organic framework to attain strong acid catalysts. Microporous and Mesoporous Materials, 2019, 290, 109686.	4.4	24
121	Decomposition of NO on Cu-loaded zeolites. Catalysis Today, 1993, 17, 167-174.	4.4	23
122	Surface study of graphite-supported Ruâ€“Co and Ruâ€“Ni bimetallic catalysts. Applied Catalysis A: General, 2004, 275, 257-269.	4.3	23
123	Efficient catalytic wet oxidation of phenol using iron acetylacetonate complexes anchored on carbon nanofibres. Carbon, 2009, 47, 2095-2102.	10.3	23
124	Time-Resolved XAS Investigation of the Local Environment and Evolution of Oxidation States of a Fischerâ€“Tropsch Ruâ€“Cs/C Catalyst. ACS Catalysis, 2016, 6, 1437-1445.	11.2	23
125	The effect of inorganic constituents of the support on the characteristics of carbon-supported platinum catalysts. Applied Catalysis, 1985, 15, 293-300.	0.8	22
126	Surface Characterization of Zirconia-Coated Alumina and Silica Carriers. Journal of Colloid and Interface Science, 1993, 159, 454-459.	9.4	22

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127	A study of carbon nanotube formation by C2H2 decomposition on an iron based catalyst using a pulsed method. Carbon, 2003, 41, 2509-2517.	10.3	22
128	Catalytic activity of gold supported on ZnO tetrapods for the preferential oxidation of carbon monoxide under hydrogen rich conditions. Nanoscale, 2011, 3, 929-932.	5.6	22
129	Deposition of gold nanoparticles on ZnO and their catalytic activity for hydrogenation applications. Catalysis Communications, 2012, 22, 79-82.	3.3	22
130	Effect of lanthanum promoter on the catalytic performance of levulinic acid hydrogenation over Ru/carbon fiber catalyst. Applied Catalysis A: General, 2017, 540, 21-30.	4.3	22
131	Selective hydrogen production from formic acid decomposition over Mo carbides supported on carbon materials. Catalysis Science and Technology, 2020, 10, 6790-6799.	4.1	22
132	Effects of functionalized carbon nanotubes in peroxide crosslinking of diene elastomers. European Polymer Journal, 2009, 45, 1017-1023.	5.4	21
133	Surface changes in Ru/KL supported catalysts induced by the preparation method and their effect on the selective hydrogenation of citral. Applied Catalysis A: General, 2009, 366, 114-121.	4.3	21
134	Structural and surface modifications of carbon nanotubes when submitted to high temperature annealing treatments. Journal of Alloys and Compounds, 2012, 536, S460-S463.	5.5	21
135	Microcalorimetric Study of H2Adsorption on Molybdenum Nitride Catalysts. Langmuir, 1999, 15, 4927-4929.	3.5	20
136	Genesis of Surface and Bulk Phases in Rhodiumâ˜Copper Catalysts. Langmuir, 1999, 15, 5295-5302.	3.5	20
137	The effect of growth temperature and iron precursor on the synthesis of high purity carbon nanotubes. Diamond and Related Materials, 2007, 16, 542-549.	3.9	20
138	Catalytic steam reforming of methane under conditions of applicability with Pd membranes over supported Ru catalysts. Catalysis Today, 2011, 171, 126-131.	4.4	20
139	When the nature of surface functionalities on modified carbon dominates the dispersion of palladium hydrogenation catalysts. Catalysis Today, 2018, 301, 248-257.	4.4	20
140	Upgrading the Properties of Reduced Graphene Oxide and Nitrogen-Doped Reduced Graphene Oxide Produced by Thermal Reduction toward Efficient ORR Electrocatalysts. Nanomaterials, 2019, 9, 1761.	4.1	20
141	Temperature dependence of the pseudomorphic transformation of MoO3 TO Î³-Mo2N. Materials Research Bulletin, 1999, 34, 145-156.	5.2	19
142	Stereoselective hydrogenation of Paracetamol to trans-4-acetamidocyclohexanol on carbon-supported Ruî—¸M (M = Co, Ni) bimetallic catalysts. Catalysis Today, 2004, 93-95, 395-403.	4.4	19
143	An immersion calorimetry study of the interaction of organic compounds with carbon nanotube surfaces. Carbon, 2012, 50, 2731-2740.	10.3	19
144	Naturally-Occurring Silicates as Carriers for Copper Catalysts Used in Methanol Conversion. Clays and Clay Minerals, 1992, 40, 167-174.	1.3	18

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145	Title is missing!. Catalysis Letters, 1997, 49, 163-167.	2.6	18
146	Infiltrated glassy carbon membranes in Î³-Al2O3 supports. Journal of Membrane Science, 2006, 281, 500-507.	8.2	18
147	Following the Evolution of Ru/Activated Carbon Catalysts during the Decompositionâ€“Reduction of the Ru(NO)(NO₃)₃ Precursor. ChemCatChem, 2013, 5, 2446-2452.	3.7	18
148	Effect of Cu and Cs in the Î²-Mo2C System for CO2 Hydrogenation to Methanol. Catalysts, 2020, 10, 1213.	3.5	18
149	Effect of N-doping and carbon nanostructures on NiCu particles for hydrogen production from formic acid. Applied Catalysis B: Environmental, 2021, 298, 120604.	20.2	18
150	Efficient nickel and copper-based catalysts supported on modified graphite materials for the hydrogen production from formic acid decomposition. Applied Catalysis A: General, 2022, 629, 118419.	4.3	18
151	Role of Exposed Surfaces on Zinc Oxide Nanostructures in the Catalytic Ethanol Transformation. ChemSusChem, 2015, 8, 2223-2230.	6.8	17
152	Selective 1,3-butadiene hydrogenation by gold nanoparticles on novel nano-carbon materials. Catalysis Today, 2015, 249, 117-126.	4.4	17
153	Promoter effect of alkalis on CuO/CeO 2 /carbon nanotubes systems for the PROx reaction. Catalysis Today, 2018, 301, 141-146.	4.4	17
154	Comparison of Pd and Pd4S based catalysts for partial hydrogenation of external and internal butynes. Journal of Catalysis, 2020, 383, 51-59.	6.2	17
155	Effect of oxide promoters on the surface characteristics of carbon-supported Co and Ru catalysts. Applied Surface Science, 1989, 40, 239-247.	6.1	16
156	FTIR study of CO and NO adsorbed on nitrided CoMo/Al2O3 catalysts. Physical Chemistry Chemical Physics, 2000, 2, 3313-3317.	2.8	16
157	Changes in the selective hydrogenation of citral induced by copper addition to Ru/KL catalysts. Microporous and Mesoporous Materials, 2008, 110, 186-196.	4.4	16
158	Low Solvothermal Synthesis and Characterization of Hollow Nanospheres Molybdenum Sulfide. Journal of Nanoscience and Nanotechnology, 2012, 12, 6679-6685.	0.9	16
159	Graphite oxide as support for the immobilization of Ru-BINAP: Application in the enantioselective hydrogenation of methylacetoacetate. Catalysis Communications, 2012, 26, 149-154.	3.3	16
160	Effects of the reduction temperature over ex-chloride Ru Fischerâ€“Tropsch catalysts supported on high surface area graphite and promoted by potassium. Applied Catalysis A: General, 2014, 480, 86-92.	4.3	16
161	Preparation, Characterization, and Testing of a Carbon-Supported Catalyst Obtained by Slow Pyrolysis of Nickel Salt Impregnated Vegetal Material. Industrial & Engineering Chemistry Research, 2016, 55, 1491-1502.	3.7	16
162	PMo11V@N-CNT electrochemical properties and its application as electrochemical sensor for determination of acetaminophen. Journal of Solid State Electrochemistry, 2017, 21, 1059-1068.	2.5	16

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163	Effect of hydrogen reduction on the surface characteristics of carbon-supported iron and ruthenium catalysts. Applied Catalysis, 1986, 23, 299-307.	0.8	15
164	Effect of the basic function in Co, MgO/C catalysts on the selective oxidation of methane by carbon dioxide. Journal of the Chemical Society Chemical Communications, 1993, , 487-488.	2.0	15
165	Determination of the surface states of metallic clusters supported on alumina using microcalorimetry of CO adsorption. Thermochimica Acta, 2001, 379, 195-199.	2.7	15
166	Surface study of rhodium nanoparticles supported on alumina. Catalysis Today, 2004, 93-95, 567-574.	4.4	15
167	Kinetic analysis of the Ru/SiO2-catalyzed low temperature methane steam reforming. Applied Catalysis A: General, 2012, 413-414, 366-374.	4.3	15
168	Microwave-assisted silylation of graphite oxide and iron(III) porphyrin intercalation. Polyhedron, 2014, 81, 475-484.	2.2	15
169	Understanding the role of oxygen surface groups: The key for a smart ruthenium-based carbon-supported heterogeneous catalyst design and synthesis. Applied Catalysis A: General, 2017, 544, 66-76.	4.3	15
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