

# Inmaculada Rodriguez-Ramos

## List of Publications by Citations

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273  
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7,486  
ext. citations

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#	Paper	IF	Citations
258	Interaction of Carbon Dioxide with the Surface of Zirconia Polymorphs. <i>Langmuir</i> , <b>1998</b> , 14, 3556-3564	4	221
257	Characterization of carbon nanotubes and carbon nanofibers prepared by catalytic decomposition of acetylene in a fluidized bed reactor. <i>Journal of Catalysis</i> , <b>2003</b> , 215, 305-316	7.3	174
256	Comparative study at low and medium reaction temperatures of syngas production by methane reforming with carbon dioxide over silica and alumina supported catalysts. <i>Applied Catalysis A: General</i> , <b>1998</b> , 170, 177-187	5.1	160
255	Hydrogenase-coated carbon nanotubes for efficient H <sub>2</sub> oxidation. <i>Nano Letters</i> , <b>2007</b> , 7, 1603-8	11.5	158
254	Mechanistic aspects of the dry reforming of methane over ruthenium catalysts. <i>Applied Catalysis A: General</i> , <b>2000</b> , 202, 183-196	5.1	153
253	Study of some factors affecting the Ru and Pt dispersions over high surface area graphite-supported catalysts. <i>Applied Catalysis A: General</i> , <b>1998</b> , 173, 313-321	5.1	137
252	The use of carbon nanotubes with and without nitrogen doping as support for ruthenium catalysts in the ammonia decomposition reaction. <i>Carbon</i> , <b>2010</b> , 48, 267-276	10.4	124
251	Platinum catalysts supported on activated carbons I. Preparation and characterization. <i>Journal of Catalysis</i> , <b>1986</b> , 99, 171-183	7.3	123
250	Methane combustion over supported palladium catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 28, 223-233	21.8	116
249	Thermodynamic and experimental study of combined dry and steam reforming of methane on Ru/ZrO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> catalyst at low temperature. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 15212-15220	6.7	104
248	Surface chemical modifications induced on high surface area graphite and carbon nanofibers using different oxidation and functionalization treatments. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 355, 179-89	9.3	95
247	Role of B5-Type Sites in Ru Catalysts used for the NH <sub>3</sub> Decomposition Reaction. <i>Topics in Catalysis</i> , <b>2009</b> , 52, 758-764	2.3	94
246	Transient studies of low-temperature dry reforming of methane over Ni-CaO/ZrO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 129, 450-459	21.8	93
245	Catalytic wet air oxidation of phenol and acrylic acid over Ru/C and RuTeO <sub>2</sub> /C catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 25, 267-275	21.8	89
244	Growing mechanism of CNTs: a kinetic approach. <i>Journal of Catalysis</i> , <b>2004</b> , 224, 197-205	7.3	87
243	A Transient Kinetic Study of the Carbon Dioxide Reforming of Methane over Supported Ru Catalysts. <i>Journal of Catalysis</i> , <b>1999</b> , 184, 202-212	7.3	81
242	Selective Reduction of NO <sub>x</sub> with Propene under Oxidative Conditions: Nature of the Active Sites on Copper-Based Catalysts. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 2905-2914	16.4	79

241	Carbon monoxide hydrogenation over carbon supported cobalt or ruthenium catalysts. promoting effects of magnesium, vanadium and cerium oxides. <i>Applied Catalysis A: General</i> , <b>1994</b> , 120, 71-83	5.1	77
240	Palladium sulphide [A highly selective catalyst for the gas phase hydrogenation of alkynes to alkenes. <i>Journal of Catalysis</i> , <b>2016</b> , 340, 10-16	7.3	77
239	Novel electrochemical sensor based on N-doped carbon nanotubes and Fe <sub>3</sub> O <sub>4</sub> nanoparticles: simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 432, 207-13	9.3	76
238	High purity hydrogen production by low temperature catalytic ammonia decomposition in a multifunctional membrane reactor. <i>Catalysis Communications</i> , <b>2008</b> , 9, 482-486	3.2	76
237	Dehydrogenation of methanol to methyl formate over supported copper catalysts. <i>Applied Catalysis</i> , <b>1991</b> , 72, 119-137		76
236	Adsorption of emerging pollutants on functionalized multiwall carbon nanotubes. <i>Chemosphere</i> , <b>2015</b> , 136, 174-80	8.4	70
235	Effect of carbon nanofiber functionalization on the adsorption properties of volatile organic compounds. <i>Journal of Chromatography A</i> , <b>2008</b> , 1188, 264-73	4.5	70
234	MnFe <sub>2</sub> O <sub>4</sub> @CNT-N as novel electrochemical nanosensor for determination of caffeine, acetaminophen and ascorbic acid. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 218, 128-136	8.5	69
233	Hydrogenation of Citral on Activated Carbon and High-Surface-Area Graphite-Supported Ruthenium Catalysts Modified with Iron. <i>Journal of Catalysis</i> , <b>2001</b> , 204, 450-459	7.3	69
232	Influence of Si/Zr ratio on the formation of surface acidity in silica-zirconia aerogels. <i>Journal of Catalysis</i> , <b>2000</b> , 192, 344-354	7.3	69
231	Influence of Mg and Ce addition to ruthenium based catalysts used in the selective hydrogenation of $\alpha$ -unsaturated aldehydes. <i>Applied Catalysis A: General</i> , <b>2001</b> , 205, 227-237	5.1	63
230	Methane interaction with silica and alumina supported metal catalysts. <i>Applied Catalysis A: General</i> , <b>1997</b> , 148, 343-356	5.1	60
229	Oxydehydrogenation of ethylbenzene to styrene catalyzed by graphites and activated carbons. <i>Carbon</i> , <b>1994</b> , 32, 23-29	10.4	58
228	Modification of the adsorption properties of high surface area graphites by oxygen functional groups. <i>Carbon</i> , <b>2008</b> , 46, 2096-2106	10.4	54
227	Reduction of NO <sub>x</sub> in C <sub>3</sub> H <sub>6</sub> /air mixtures over Cu/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>1997</b> , 14, 189-202	21.8	51
226	Comparative study of the hydrogenolysis of glycerol over Ru-based catalysts supported on activated carbon, graphite, carbon nanotubes and KL-zeolite. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 326-333	14.7	50
225	Role of the residual chlorides in platinum and ruthenium catalysts for the hydrogenation of $\alpha$ -unsaturated aldehydes. <i>Applied Catalysis A: General</i> , <b>2000</b> , 192, 289-297	5.1	50
224	Selective Deposition of Gold Nanoparticles on or Inside Carbon Nanotubes and Their Catalytic Activity for Preferential Oxidation of CO. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 5096-5102	2.3	48

223	Tracking Down the Reduction Behavior of Copper-on-Alumina Catalysts. <i>Journal of Catalysis</i> , <b>1998</b> , 178, 253-263	7.3	46
222	Evaluation of the Role of the Metal/Support Interfacial Centers in the Dry Reforming of Methane on Alumina-Supported Rhodium Catalysts. <i>Journal of Catalysis</i> , <b>2000</b> , 190, 296-308	7.3	45
221	Effect of the functional groups of carbon on the surface and catalytic properties of Ru/C catalysts for hydrogenolysis of glycerol. <i>Applied Surface Science</i> , <b>2013</b> , 287, 108-116	6.7	44
220	Synthesis and characterization of carbon black supported PtRu alloy as a model catalyst for fuel cells. <i>Catalysis Today</i> , <b>2004</b> , 93-95, 619-626	5.3	44
219	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. <i>Carbon</i> , <b>2017</b> , 111, 150-161	10.4	43
218	Modification of catalytic properties over carbon supported RuRu and NiRu bimetallics: I. Functional selectivities in citral and cinnamaldehyde hydrogenation. <i>Applied Catalysis A: General</i> , <b>2006</b> , 300, 120-129	5.1	43
217	Removal of no over carbon-supported copper catalysts. I. Reactivity of no with graphite and activated carbon. <i>Carbon</i> , <b>1996</b> , 34, 339-346	10.4	43
216	Comparative Study by Infrared Spectroscopy and Microcalorimetry of the CO Adsorption over Supported Palladium Catalysts. <i>Langmuir</i> , <b>2000</b> , 16, 8100-8106	4	42
215	Chemoselective hydrogenation of cinnamaldehyde: A comparison of the immobilization of RuPhosphine complex on graphite oxide and on graphitic surfaces. <i>Journal of Catalysis</i> , <b>2011</b> , 282, 299-309	7.3	41
214	Further insights into the Ru nanoparticles/carbon interactions and their role in the catalytic properties. <i>Carbon</i> , <b>2005</b> , 43, 2711-2722	10.4	41
213	Selective hydrogenation of mixed alkyne/alkene streams at elevated pressure over a palladium sulfide catalyst. <i>Journal of Catalysis</i> , <b>2017</b> , 355, 40-52	7.3	40
212	Modifications of the citral hydrogenation selectivities over Ru/KL-zeolite catalysts induced by the metal precursors. <i>Catalysis Today</i> , <b>2005</b> , 107-108, 302-309	5.3	40
211	Dehydrogenation of methanol to methyl formate over copper-containing perovskite-type oxides. <i>Applied Catalysis</i> , <b>1991</b> , 68, 217-228		40
210	Porous carbon as support for iron and ruthenium catalysts. <i>Fuel</i> , <b>1984</b> , 63, 1089-1094	7.1	40
209	On the applicability of membrane technology to the catalysed dry reforming of methane. <i>Applied Catalysis A: General</i> , <b>2002</b> , 237, 239-252	5.1	39
208	The effect of Cu loading on Ni/carbon nanotubes catalysts for hydrodeoxygenation of guaiacol. <i>RSC Advances</i> , <b>2016</b> , 6, 26658-26667	3.7	38
207	Reactions of propene on supported molybdenum and tungsten oxides. <i>Journal of Molecular Catalysis A</i> , <b>1995</b> , 95, 147-154		38
206	The role of alpha-iron and cementite phases in the growing mechanism of carbon nanotubes: a <sup>57</sup> Fe Mössbauer spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 1230-5	3.6	36

205	Effect of the metal precursor on the surface site distribution of Al <sub>2</sub> O <sub>3</sub> -supported Ru catalysts: catalytic effects on the n-butane/H <sub>2</sub> test. <i>Applied Catalysis A: General</i> , <b>2005</b> , 283, 23-32	5.1	35
204	Dry reforming of methane using Pd-based membrane reactors fabricated from different substrates. <i>Journal of Membrane Science</i> , <b>2013</b> , 435, 218-225	9.6	34
203	Carbon nanostructured materials as direct catalysts for phenol oxidation in aqueous phase. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 101-109	21.8	34
202	Isotopic tracing experiments in syngas production from methane on Ru/Al <sub>2</sub> O <sub>3</sub> and Ru/SiO <sub>2</sub> . <i>Catalysis Today</i> , <b>1998</b> , 46, 99-105	5.3	33
201	Ruthenium-supported catalysts for the stereoselective hydrogenation of paracetamol to 4-acetamidocyclohexanol: effect of support, metal precursor, and solvent. <i>Journal of Catalysis</i> , <b>2005</b> , 229, 439-445	7.3	33
200	Well-dispersed Rh nanoparticles with high activity for the dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 16127-16138	6.7	32
199	Preparation of nitrogen-containing carbon nanotubes and study of their performance as basic catalysts. <i>Applied Catalysis A: General</i> , <b>2013</b> , 458, 155-161	5.1	32
198	On the Performance of Porous Vycor Membranes for Conversion Enhancement in the Dehydrogenation of Methylcyclohexane to Toluene. <i>Journal of Catalysis</i> , <b>2002</b> , 212, 182-192	7.3	32
197	Design of surface sites for the selective hydrogenation of 1,3-butadiene on Pd nanoparticles: Cu bimetallic formation and sulfur poisoning. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 1446-1455	5.5	31
196	TAP studies of ammonia decomposition over Ru and Ir catalysts. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 12892-9	3.6	31
195	The promoter effect of potassium in CuO/CeO <sub>2</sub> systems supported on carbon nanotubes and graphene for the CO-PROX reaction. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 6118-6127	5.5	31
194	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. <i>Catalysis Today</i> , <b>2018</b> , 301, 65-71	5.3	30
193	Optimization of ruthenium based catalysts for the aqueous phase hydrogenation of furfural to furfuryl alcohol. <i>Applied Catalysis A: General</i> , <b>2018</b> , 563, 177-184	5.1	30
192	Nitrate reduction over a Pd-Cu/MWCNT catalyst: application to a polluted groundwater. <i>Environmental Technology (United Kingdom)</i> , <b>2012</b> , 33, 2353-8	2.6	30
191	The role of nitrogen and oxygen surface groups in the behavior of carbon-supported iron and ruthenium catalysts. <i>Carbon</i> , <b>1988</b> , 26, 417-423	10.4	30
190	Detecting the Genesis of a High-Performance Carbon-Supported Pd Sulfide Nanophase and Its Evolution in the Hydrogenation of Butadiene. <i>ACS Catalysis</i> , <b>2015</b> , 5, 5235-5241	13.1	29
189	Efficient and stable NiTe glycerol reforming catalysts: Chemical imaging using X-ray electron and scanning transmission microscopy. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 139-148	21.8	29
188	Cooperative action of cobalt and MgO for the catalysed reforming of CH <sub>4</sub> with CO <sub>2</sub> . <i>Catalysis Today</i> , <b>1994</b> , 21, 545-550	5.3	29

187	Sulfur-resistant carbon-supported iridium catalysts: Cyclohexane dehydrogenation and benzene hydrogenation. <i>Journal of Catalysis</i> , <b>1992</b> , 135, 458-466	7.3	29
186	Spectroscopic studies of surface copper spinels. Influence of pretreatments on chemical state of copper. <i>Surface and Interface Analysis</i> , <b>1993</b> , 20, 1067-1074	1.5	29
185	Platinum catalysts supported on activated carbons II. Isomerization and hydrogenolysis of n-butane. <i>Journal of Catalysis</i> , <b>1987</b> , 107, 1-7	7.3	29
184	Influence of the nature of support on Ru-supported catalysts for selective hydrogenation of citral. <i>Chemical Engineering Journal</i> , <b>2012</b> , 204-206, 169-178	14.7	28
183	Surface Properties of Supported Metallic Clusters as Determined by Microcalorimetry of CO Chemisorption. <i>Topics in Catalysis</i> , <b>2002</b> , 19, 303-311	2.3	28
182	Removal of NO over carbon supported copper catalysts: II. Evaluation of catalytic properties under different reaction conditions. <i>Carbon</i> , <b>1996</b> , 34, 1509-1514	10.4	28
181	Efficient hydrogen production from glycerol by steam reforming with carbon supported ruthenium catalysts. <i>Carbon</i> , <b>2016</b> , 96, 578-587	10.4	27
180	Comparative study of three heteropolyacids supported on carbon materials as catalysts for ethylene production from bioethanol. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1892-1901	5.5	27
179	Effect of surface area and physical/chemical properties of graphite and graphene-based materials on their adsorption capacity towards metronidazole and trimethoprim antibiotics in aqueous solution. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126155	14.7	27
178	Polyoxotungstate@Carbon Nanocomposites As Oxygen Reduction Reaction (ORR) Electrocatalysts. <i>Langmuir</i> , <b>2018</b> , 34, 6376-6387	4	27
177	Ruthenium particle size and cesium promotion effects in Fischer-Tropsch synthesis over high-surface-area graphite supported catalysts. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1235-1244	5.5	26
176	Specific interactions between aromatic electrons of organic compounds and graphite surfaces as detected by immersion calorimetry. <i>Langmuir</i> , <b>2004</b> , 20, 1013-5	4	26
175	Bifunctional pathways in the carbon dioxide reforming of methane over MgO-promoted Ru/C catalysts. <i>Catalysis Letters</i> , <b>2000</b> , 66, 33-37	2.8	26
174	Carbon supported bimetallic catalysts containing iron: I. Preparation and characterization. <i>Applied Catalysis A: General</i> , <b>1992</b> , 81, 81-100	5.1	26
173	High nitrogen doped graphenes and their applicability as basic catalysts. <i>Diamond and Related Materials</i> , <b>2014</b> , 44, 26-32	3.5	25
172	Hydrogen adsorbed species at the metal/support interface on a Pt/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1997</b> , 93, 3563-3567		25
171	Study of CO chemisorption on graphite-supported Ru/Cu and Ni/Cu bimetallic catalysts. <i>Thermochimica Acta</i> , <b>2005</b> , 434, 113-118	2.9	25
170	Oxidative dehydrogenation of isobutane over magnesium molybdate catalysts. <i>Catalysis Today</i> , <b>2000</b> , 61, 377-382	5.3	25

169	Nature Of Surface Sites In The Selective Oxide Hydrogenation Of Propane Over V-Mg-O Catalysts. <i>Studies in Surface Science and Catalysis</i> , <b>1992</b> , 203-212	1.8	25
168	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. <i>Catalysis Today</i> , <b>2015</b> , 249, 63-71	5.3	24
167	Comparative study of support effects in ruthenium catalysts applied for wet air oxidation of aromatic compounds. <i>Catalysis Today</i> , <b>2009</b> , 143, 355-363	5.3	24
166	Mechanism of hydrogen spillover over carbon supported metal catalysts. <i>Studies in Surface Science and Catalysis</i> , <b>1997</b> , 112, 241-250	1.8	24
165	Modification of the stereoselectivity in the citral hydrogenation by application of carbon nanotubes as support of the Pt particles. <i>Carbon</i> , <b>2006</b> , 44, 804-806	10.4	24
164	Pure hydrogen production from methylcyclohexane using a new high performance membrane reactor. <i>Chemical Communications</i> , <b>2002</b> , 2082-3	5.8	24
163	In situ study of carbon nanotube formation by C <sub>2</sub> H <sub>2</sub> decomposition on an iron-based catalyst. <i>Carbon</i> , <b>2000</b> , 38, 2003-2006	10.4	24
162	New Insights on the Mechanism of the NO Reduction with CO over Alumina-Supported Copper Catalysts. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 16380-16382		24
161	Study of the surface species formed from the interaction of NO and CO with copper ions in ZSM-5 and Y zeolites. <i>Applied Surface Science</i> , <b>1994</b> , 78, 477-484	6.7	24
160	Effect of the carbon support nano-structures on the performance of Ru catalysts in the hydrogenation of paracetamol. <i>Carbon</i> , <b>2008</b> , 46, 1046-1052	10.4	23
159	Syntheses of CNTs over several iron-supported catalysts: influence of the metallic precursors. <i>Catalysis Today</i> , <b>2004</b> , 93-95, 681-687	5.3	23
158	Carbon-supported bimetallic catalysts containing iron: II. Catalytic behaviour in benzene hydrogenation and thiophene hydrodesulphurization. <i>Applied Catalysis A: General</i> , <b>1992</b> , 81, 101-112	5.1	23
157	Adsorption capacity of Saran carbons at high temperatures and under dynamic conditions. <i>Carbon</i> , <b>1984</b> , 22, 301-304	10.4	23
156	Hydrogenation of CO on carbon-supported iron catalysts prepared from iron penta-carbonyl. <i>Applied Catalysis</i> , <b>1986</b> , 21, 251-261		23
155	Efficient catalytic wet oxidation of phenol using iron acetylacetonate complexes anchored on carbon nanofibres. <i>Carbon</i> , <b>2009</b> , 47, 2095-2102	10.4	22
154	Promotional effect of Cu on the structure and chloronitrobenzene hydrogenation performance of carbon nanotube and activated carbon supported Pt catalysts. <i>Applied Catalysis A: General</i> , <b>2013</b> , 464-465, 28-34	5.1	21
153	Catalytic activity of gold supported on ZnO tetrapods for the preferential oxidation of carbon monoxide under hydrogen rich conditions. <i>Nanoscale</i> , <b>2011</b> , 3, 929-32	7.7	21
152	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> , <b>2008</b> , 348, 241-250	5.1	21



151	Surface study of graphite-supported Ru $\square$ o and Ru $\square$ ni bimetallic catalysts. <i>Applied Catalysis A: General</i> , <b>2004</b> , 275, 257-269	5.1	21
150	Simultaneous hydrodesulfurization of thiophene and hydrogenation of cyclohexene over dimolybdenum nitride catalysts. <i>Applied Catalysis A: General</i> , <b>1999</b> , 180, 237-245	5.1	21
149	The effect of inorganic constituents of the support on the characteristics of carbon-supported platinum catalysts. <i>Applied Catalysis</i> , <b>1985</b> , 15, 293-300		21
148	Effect of electrolytes nature and concentration on the morphology and structure of MoS <sub>2</sub> nanomaterials prepared using one-pot solvothermal method. <i>Applied Surface Science</i> , <b>2014</b> , 307, 319-326	6.7	20
147	Deposition of gold nanoparticles on ZnO and their catalytic activity for hydrogenation applications. <i>Catalysis Communications</i> , <b>2012</b> , 22, 79-82	3.2	20
146	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> , <b>2009</b> , 366, 114-121	5.1	20
145	Selective hydrogenation of citral over Pt/KL type catalysts doped with Sr, La, Nd and Sm. <i>Applied Catalysis A: General</i> , <b>2011</b> , 401, 56-64	5.1	20
144	Catalytic properties of carbon-supported ruthenium catalysts for n-hexane conversion. <i>Applied Catalysis A: General</i> , <b>1998</b> , 173, 231-238	5.1	20
143	Surface and structural effects in the hydrogenation of citral over RuCu/KL catalysts. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 97, 122-131	5.3	20
142	Genesis of Surface and Bulk Phases in Rhodium $\square$ opper Catalysts. <i>Langmuir</i> , <b>1999</b> , 15, 5295-5302	4	20
141	Surface Characterization of Zirconia-Coated Alumina and Silica Carriers. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 159, 454-459	9.3	20
140	Structural and surface modifications of carbon nanotubes when submitted to high temperature annealing treatments. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, S460-S463	5.7	19
139	The effect of growth temperature and iron precursor on the synthesis of high purity carbon nanotubes. <i>Diamond and Related Materials</i> , <b>2007</b> , 16, 542-549	3.5	19
138	Stereoselective hydrogenation of Paracetamol to trans-4-acetamidocyclohexanol on carbon-supported Ru $\square$ M (M = Co, Ni) bimetallic catalysts. <i>Catalysis Today</i> , <b>2004</b> , 93-95, 395-403	5.3	19
137	Catalytic activity of layered H $\square$ tin or zirconium) phosphates and chromia-pillared derivatives for isopropyl alcohol decomposition. <i>Applied Catalysis A: General</i> , <b>1992</b> , 92, 81-92	5.1	19
136	Preparation, Characterization, and Activity for n-Hexane Reactions of Alumina-Supported Rhodium $\square$ opper Catalysts. <i>Journal of Catalysis</i> , <b>1997</b> , 171, 374-382	7.3	18
135	A study of carbon nanotube formation by C <sub>2</sub> H <sub>2</sub> decomposition on an iron based catalyst using a pulsed method. <i>Carbon</i> , <b>2003</b> , 41, 2509-2517	10.4	18
134	Decomposition of NO on Cu-loaded zeolites. <i>Catalysis Today</i> , <b>1993</b> , 17, 167-174	5.3	18



133	Hydrogenolysis of n-butane and hydrogenation of carbon monoxide on Ni and Co catalysts supported on saran carbons. <i>Applied Catalysis</i> , <b>1985</b> , 14, 159-172		18
132	Time-Resolved XAS Investigation of the Local Environment and Evolution of Oxidation States of a Fischer-Tropsch Ru/C Catalyst. <i>ACS Catalysis</i> , <b>2016</b> , 6, 1437-1445	13.1	17
131	An immersion calorimetry study of the interaction of organic compounds with carbon nanotube surfaces. <i>Carbon</i> , <b>2012</b> , 50, 2731-2740	10.4	17
130	Catalytic steam reforming of methane under conditions of applicability with Pd membranes over supported Ru catalysts. <i>Catalysis Today</i> , <b>2011</b> , 171, 126-131	5.3	17
129	Effects of functionalized carbon nanotubes in peroxide crosslinking of diene elastomers. <i>European Polymer Journal</i> , <b>2009</b> , 45, 1017-1023	5.2	17
128	Microcalorimetric Study of H <sub>2</sub> Adsorption on Molybdenum Nitride Catalysts. <i>Langmuir</i> , <b>1999</b> , 15, 4927-4929	4.29	17
127	Promoter effect of alkalis on CuO/CeO <sub>2</sub> /carbon nanotubes systems for the PROx reaction. <i>Catalysis Today</i> , <b>2018</b> , 301, 141-146	5.3	16
126	Multifunctional mixed valence N-doped CNT@MFeO hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. <i>Nanoscale</i> , <b>2018</b> , 10, 12820-12840	7.7	16
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124	Correlation between metal oxidation state and catalytic activity: hydrogenation of crotonaldehyde over Rh catalysts. <i>Catalysis Letters</i> , <b>1997</b> , 49, 163-167	2.8	16
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