Antonio Guerrero-Ruiz

List of Publications by Year in Descending Order

288 papers	7,662 citations	44 h-index	69 g-index
301 ext. papers	8,263 ext. citations	6.1 avg, IF	5.91 L-index

#	Paper	IF	Citations
288	Efficient nickel and copper-based catalysts supported on modified graphite materials for the hydrogen production from formic acid decomposition. *Applied Catalysis A: General*, **2021**, 629, 118419	5.1	3
287	Tandem catalysts for the selective hydrogenation of butadiene with hydrogen generated from the decomposition of formic acid. *Chemical Communications*, **2021**, 57, 6479-6482	5.8	0
286	Carbothermally generated copper□molybdenum carbide supported on graphite for the CO2 hydrogenation to methanol. *Catalysis Science and Technology*, **2021**, 11, 4051-4059	5.5	1
285	Study of the Interaction of an Iron Phthalocyanine Complex over Surface Modified Carbon Nanotubes. *Materials*, **2021**, 14,	3.5	1
284	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	10.4	8
283	Evaluation of graphenic and graphitic materials on the adsorption of Triton X-100 from aqueous solution. *Environmental Pollution*, **2021**, 284, 117161	9.3	2
282	Effect of N-doping and carbon nanostructures on NiCu particles for hydrogen production from formic acid. *Applied Catalysis B: Environmental*, **2021**, 298, 120604	21.8	3
281	Comparison of Pd and Pd4S based catalysts for partial hydrogenation of external and internal butynes. *Journal of Catalysis*, **2020**, 383, 51-59	7.3	11
280	Effect of Cu and Cs in the □Mo2C System for CO2 Hydrogenation to Methanol. *Catalysts*, **2020**, 10, 1213	4	7
279	Selective hydrogen production from formic acid decomposition over Mo carbides supported on carbon materials. *Catalysis Science and Technology*, **2020**, 10, 6790-6799	5.5	11
278	Comparative Study of Different Acidic Surface Structures in Solid Catalysts Applied for the Isobutene Dimerization Reaction. *Nanomaterials*, **2020**, 10,	5.4	8
277	Continuous Catalytic Condensation of Ethanol into 1-Butanol: The Role of Metallic Oxides (M = MgO, BaO, ZnO, and MnO) in Cu-M/Graphite Catalysts. *Industrial & Engineering Chemistry Research*, **2020**, 59, 16626-16636	3.9	7
276	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	5.3	13
275	Tracking the paths for the sucrose transformations over bifunctional Ru-POM/AC catalysts. *Catalysis Today*, **2020**, 357, 113-121	5.3	3
274	Optimization of Cu-Ni-Mn-catalysts for the conversion of ethanol to butanol. *Catalysis Today*, **2020**, 357, 132-142	5.3	6
273	Effect of Mo promotion on the activity and selectivity of Ru/Graphite catalysts for Fischer-Tropsch synthesis. *Catalysis Today*, **2020**, 357, 185-192	5.3	4
272	Cu and Pd nanoparticles supported on a graphitic carbon material as bifunctional HER/ORR electrocatalysts. *Catalysis Today*, **2020**, 357, 279-290	5.3	11

271	Taking advantage of sulfur impurities present in commercial carbon nanofibers to generate selective palladium catalysts. *Carbon*, **2020**, 157, 120-129	10.4	4
270	Reductive degradation of 2,4-dichlorophenoxyacetic acid using Pd/carbon with bifunctional mechanism. *Catalysis Today*, **2020**, 357, 361-367	5.3	4
269	Cu-based N-doped/undoped graphene nanocomposites as electrocatalysts for the oxygen reduction. *Journal of Applied Electrochemistry*, **2019**, 49, 693-703	2.6	2
268	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	5.1	15
267	Direct sulfation of a Zr-based metal-organic framework to attain strong acid catalysts. *Microporous and Mesoporous Materials*, **2019**, 290, 109686	5.3	16
266	Upgrading the Properties of Reduced Graphene Oxide and Nitrogen-Doped Reduced Graphene Oxide Produced by Thermal Reduction toward Efficient ORR Electrocatalysts. *Nanomaterials*, **2019**, 9,	5.4	14
265	Effect of different promoter precursors in a model Ru-Cs/graphite system on the catalytic selectivity for Fischer-Tropsch reaction. *Applied Surface Science*, **2018**, 447, 307-314	6.7	5
264	Difference in the deactivation of Au catalysts during ethanol transformation when supported on ZnO and on TiO.. *RSC Advances*, **2018**, 8, 7473-7485	3.7	7
263	Effect of surface, structural and textural properties of graphenic materials over cooperative and synergetic adsorptions of two chloroaromatic compounds from aqueous solution. *Catalysis Today*, **2018**, 301, 104-111	5.3	15
262	Promoter effect of alkalis on CuO/CeO2/carbon nanotubes systems for the PROx reaction. *Catalysis Today*, **2018**, 301, 141-146	5.3	16
261	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. *Catalysis Today*, **2018**, 301, 65-71	5.3	30
260	When the nature of surface functionalities on modified carbon dominates the dispersion of palladium hydrogenation catalysts. *Catalysis Today*, **2018**, 301, 248-257	5.3	15
259	Solid-state ion exchange of ammonium heptamolybdate tetrahydrate into ZSM-5 zeolite. *Journal of Thermal Analysis and Calorimetry*, **2018**, 131, 1295-1306	4.1	4
258	Continuous Gas-Phase Condensation of Bioethanol to 1-Butanol over Bifunctional Pd/Mg and Pd/Mg-Carbon Catalysts. *ChemSusChem*, **2018**, 11, 3502-3511	8.3	10
257	Optimization of ruthenium based catalysts for the aqueous phase hydrogenation of furfural to furfuryl alcohol. *Applied Catalysis A: General*, **2018**, 563, 177-184	5.1	30
256	New Insights in the Development of Carbon Supported Ruthenium Catalysts for Hydrogenation of Levulinic Acid. *Current Catalysis*, **2018**, 7, 129-137	0.4	3
255	Multifunctional mixed valence N-doped CNT@MFeO hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. *Nanoscale*, **2018**, 10, 12820-12840	7.7	16
254	Polyoxotungstate@Carbon Nanocomposites As Oxygen Reduction Reaction (ORR) Electrocatalysts. *Langmuir*, **2018**, 34, 6376-6387	4	27

253	Fructose Transformations in Ethanol using Carbon Supported Polyoxometalate Acidic Solids for 5-Ethoxymethylfurfural Production. *ChemCatChem*, **2018**, 10, 3746-3753	5.2	7
252	Effect of the metal precursor on the catalytic performance of the Ru/KL system for the ethanol transformation reactions. *Applied Catalysis A: General*, **2017**, 535, 61-68	5.1	4
251	Comparative study of three heteropolyacids supported on carbon materials as catalysts for ethylene production from bioethanol. *Catalysis Science and Technology*, **2017**, 7, 1892-1901	5.5	27
250	Solid□state ion exchange of molybdenum (VI) acetylacetonate into ZSM-5 zeolite. *Thermochimica Acta*, **2017**, 652, 150-159	2.9	8
249	Light hydrocarbons ammoxidation into acetonitrile over Mo□ZSM-5 catalysts: Effect of molybdenum precursor. *Microporous and Mesoporous Materials*, **2017**, 241, 246-257	5.3	12
248	Effect of surfactant concentration on the morphology of MoxSy nanoparticles prepared by a solvothermal route. *Green Processing and Synthesis*, **2017**, 6,	3.9	1
247	Selective hydrogenation of mixed alkyne/alkene streams at elevated pressure over a palladium sulfide catalyst. *Journal of Catalysis*, **2017**, 355, 40-52	7.3	40
246	Direct catalytic effect of nitrogen functional groups exposed on graphenic materials when acting cooperatively with Ru nanoparticles. *RSC Advances*, **2017**, 7, 44568-44577	3.7	11
245	Elucidation of the solid-state ion exchange mechanism of MoCl5 into ZSM-5 zeolite. *Thermochimica Acta*, **2017**, 655, 269-277	2.9	4
244	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	5.1	8
243	PMo11V@N-CNT electrochemical properties and its application as electrochemical sensor for determination of acetaminophen. *Journal of Solid State Electrochemistry*, **2017**, 21, 1059-1068	2.6	12
242	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	10.4	43
241	Ammoxidation of C 2 hydrocarbons over Mo□eolite catalysts prepared by solid-state ion exchange: Nature of molybdenum species. *Microporous and Mesoporous Materials*, **2016**, 219, 77-86	5.3	15
240	Efficient hydrogen production from glycerol by steam reforming with carbon supported ruthenium catalysts. *Carbon*, **2016**, 96, 578-587	10.4	27
239	Comparative study of bioethanol transformation catalyzed by Ru or Pt nanoparticles supported on KL zeolite. *Catalysis Science and Technology*, **2016**, 6, 521-529	5.5	5
238	Surface properties of amphiphilic carbon nanotubes and study of their applicability as basic catalysts. *RSC Advances*, **2016**, 6, 54293-54298	3.7	9
237	Time-Resolved XAS Investigation of the Local Environment and Evolution of Oxidation States of a Fischer□Tropsch Ru□s/C Catalyst. *ACS Catalysis*, **2016**, 6, 1437-1445	13.1	17
236	Ammoxidation of ethylene to acetonitrile over vanadium and molybdenum supported zeolite catalysts prepared by solid-state ion exchange. *Journal of Molecular Catalysis A*, **2016**, 416, 127-139		7

235	Bioethanol dehydrogenation over copper supported on functionalized graphene materials and a high surface area graphite. *Carbon*, **2016**, 102, 426-436	10.4	31
234	H2/D2 isotopic exchange: A tool to characterize complex hydrogen interaction with carbon-supported ruthenium catalysts. *Catalysis Today*, **2016**, 259, 9-18	5.3	10
233	Palladium sulphide □A highly selective catalyst for the gas phase hydrogenation of alkynes to alkenes. *Journal of Catalysis*, **2016**, 340, 10-16	7.3	77
232	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	5.5	31
231	Hydrocarbons adsorption on metal trimesate MOFs: Inverse gas chromatography and immersion calorimetry studies. *Thermochimica Acta*, **2015**, 602, 36-42	2.9	9
230	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	13.1	29
229	MnFe2O4@CNT-N as novel electrochemical nanosensor for determination of caffeine, acetaminophen and ascorbic acid. *Sensors and Actuators B: Chemical*, **2015**, 218, 128-136	8.5	69
228	Selective 1,3-butadiene hydrogenation by gold nanoparticles deposited & precipitated onto nano-carbon materials. *RSC Advances*, **2015**, 5, 81583-81598	3.7	12
227	Efficient and stable Ni□e glycerol reforming catalysts: Chemical imaging using X-ray electron and scanning transmission microscopy. *Applied Catalysis B: Environmental*, **2015**, 165, 139-148	21.8	29
226	Role of Exposed Surfaces on Zinc Oxide Nanostructures in the Catalytic Ethanol Transformation. *ChemSusChem*, **2015**, 8, 2223-30	8.3	14
225	Adsorption of emerging pollutants on functionalized multiwall carbon nanotubes. *Chemosphere*, **2015**, 136, 174-80	8.4	70
224	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	14.7	50
223	Selective 1,3-butadiene hydrogenation by gold nanoparticles on novel nano-carbon materials. *Catalysis Today*, **2015**, 249, 117-126	5.3	15
222	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	5.3	24
221	Effects of the reduction temperature over ex-chloride Ru Fischer□ropsch catalysts supported on high surface area graphite and promoted by potassium. *Applied Catalysis A: General*, **2014**, 480, 86-92	5.1	12
220	Microwave-assisted silylation of graphite oxide and iron(III) porphyrin intercalation. *Polyhedron*, **2014**, 81, 475-484	2.7	12
219	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, 207-13	9.3	76
218	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	6.7	20

217	Exploring the insertion of ethylenediamine and bis(3-aminopropyl)amine into graphite oxide. *Nanoscience Methods*, **2014**, 3, 28-39		1
216	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	5.5	31
215	Ceramic hollow fibres catalytic enhanced reactors for glycerol steam reforming. *Catalysis Today*, **2014**, 233, 21-30	5.3	9
214	High nitrogen doped graphenes and their applicability as basic catalysts. *Diamond and Related Materials*, **2014**, 44, 26-32	3.5	25
213	Bioethanol Transformations Over Active Surface Sites Generated on Carbon Nanotubes or Carbon Nanofibers Materials. *Open Catalysis Journal*, **2014**, 7, 1-7		8
212	MgAl2O4 spinel prepared by mechanochemical synthesis used as a support of multimetallic catalysts for paraffin dehydrogenation. *Catalysis in Industry*, **2013**, 5, 61-73	0.8	6
211	Following the Evolution of Ru/Activated Carbon Catalysts during the Decomposition–Reduction of the Ru(NO)(NO3)3 Precursor. *ChemCatChem*, **2013**, 5, 2446-2452	5.2	15
210	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	6.7	44
209	Selective catalytic reduction of NO with NH3 over Cr-ZSM-5 catalysts: General characterization and catalysts screening. *Applied Catalysis B: Environmental*, **2013**, 134-135, 367-380	21.8	34
208	Structural properties of alumina- and silica-supported Iridium catalysts and their behavior in the enantioselective hydrogenation of ethyl pyruvate. *Applied Catalysis A: General*, **2013**, 451, 14-20	5.1	11
207	Surface properties of Ru particles supported on carbon materials: A microcalorimetric study of the effects over the CO chemisorptions of residual anionic species. *Thermochimica Acta*, **2013**, 567, 112-117	2.9	11
206	Dry reforming of methane using Pd-based membrane reactors fabricated from different substrates. *Journal of Membrane Science*, **2013**, 435, 218-225	9.6	34
205	Preparation of nitrogen-containing carbon nanotubes and study of their performance as basic catalysts. *Applied Catalysis A: General*, **2013**, 458, 155-161	5.1	32
204	Cr-ZSM-5 catalysts for ethylene ammoxidation: Effects of precursor nature and Cr/Al molar ratio on the physicochemical and catalytic properties. *Microporous and Mesoporous Materials*, **2013**, 171, 166-178	5.3	12
203	An immersion calorimetric study of the interactions between some organic molecules and functionalized carbon nanotube surfaces. *Thermochimica Acta*, **2013**, 567, 107-111	2.9	1
202	Transient studies of low-temperature dry reforming of methane over Ni-CaO/ZrO2-La2O3. *Applied Catalysis B: Environmental*, **2013**, 129, 450-459	21.8	93
201	Influence of the parent zeolite structure on chromium speciation and catalytic properties of Cr-zeolite catalysts in the ethylene ammoxidation. *Applied Catalysis A: General*, **2012**, 439-440, 88-100	5.1	20
200	Graphite oxide as support for the immobilization of Ru-BINAP: Application in the enantioselective hydrogenation of methylacetoacetate. *Catalysis Communications*, **2012**, 26, 149-154	3.2	14

199	Influence of the nature of support on Ru-supported catalysts for selective hydrogenation of citral. *Chemical Engineering Journal*, **2012**, 204-206, 169-178	14.7	28
198	Structural and surface modifications of carbon nanotubes when submitted to high temperature annealing treatments. *Journal of Alloys and Compounds*, **2012**, 536, S460-S463	5.7	19
197	Catalytic Removal of Water-Solved Aromatic Compounds by Carbon-Based Materials **2012**, 499-520		1
196	An immersion calorimetry study of the interaction of organic compounds with carbon nanotube surfaces. *Carbon*, **2012**, 50, 2731-2740	10.4	17
195	Deposition of gold nanoparticles on ZnO and their catalytic activity for hydrogenation applications. *Catalysis Communications*, **2012**, 22, 79-82	3.2	20
194	Kinetic analysis of the Ru/SiO2-catalyzed low temperature methane steam reforming. *Applied Catalysis A: General*, **2012**, 413-414, 366-374	5.1	12
193	Ammoxidation of ethylene over low and over-exchanged Cr□ZSM-5 catalysts. *Applied Catalysis A: General*, **2012**, 415-416, 132-140	5.1	21
192	Catalytic and redox properties of bimetallic Cu□Ni systems combined with CeO2 or Gd-doped CeO2 for methane oxidation and decomposition. *Applied Catalysis B: Environmental*, **2012**, 111-112, 96-105	21.8	36
191	High efficiency of the cylindrical mesopores of MWCNTs for the catalytic wet peroxide oxidation of C.I. Reactive Red 241 dissolved in water. *Applied Catalysis B: Environmental*, **2012**, 121-122, 182-189	21.8	18
190	Building up Multiwall Carbon Nanotubes Nanostructures inside Millimetric Channels of Ceramic Monoliths. *Journal of Nano Research*, **2012**, 18-19, 271-279	1	0
189	Low solvothermal synthesis and characterization of hollow nanospheres molybdenum sulfide. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 6679-85	1.3	8
188	An Easy Methodology for the Incorporation of Carbon Nanotubes on Surfaces of Components Applied as Electronic Devices. *Journal of Nano Research*, **2012**, 18-19, 157-163	1	
187	Catalytic activity of gold supported on ZnO tetrapods for the preferential oxidation of carbon monoxide under hydrogen rich conditions. *Nanoscale*, **2011**, 3, 929-32	7.7	21
186	Preparation and surface functionalization of MWCNTs: study of the composite materials produced by the interaction with an iron phthalocyanine complex. *Nanoscale Research Letters*, **2011**, 6, 353	5	9
185	Chemoselective hydrogenation of cinnamaldehyde: A comparison of the immobilization of Ru□phosphine complex on graphite oxide and on graphitic surfaces. *Journal of Catalysis*, **2011**, 282, 299-309	7.3	41
184	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	6.7	104
183	Phenol adsorption from water solutions over microporous and mesoporous carbon surfaces: a real time kinetic study. *Adsorption*, **2011**, 17, 483-488	2.6	10
182	Nitromethane-water competitive adsorption over modified activated carbon. *Adsorption*, **2011**, 17, 595-602	2.6	1

181	Catalytic steam reforming of methane under conditions of applicability with Pd membranes over supported Ru catalysts. *Catalysis Today*, **2011**, 171, 126-131	5.3	17
180	TAP studies of ammonia decomposition over Ru and Ir catalysts. *Physical Chemistry Chemical Physics* , **2011**, 13, 12892-9	3.6	31
179	Selective hydrogenation of citral over Pt/KL type catalysts doped with Sr, La, Nd and Sm. *Applied Catalysis A: General*, **2011**, 401, 56-64	5.1	20
178	Carbon nanostrutured materials as direct catalysts for phenol oxidation in aqueous phase. *Applied Catalysis B: Environmental*, **2011**, 104, 101-109	21.8	34
177	Effect of the chromium precursor nature on the physicochemical and catalytic properties of Cr⁄SM-5 catalysts: Application to the ammoxidation of ethylene. *Journal of Molecular Catalysis A*, **2011**, 339, 8-16		30
176	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, 179-89	9.3	95
175	Preparation of gold catalysts supported on SiO2-TiO2 for the CO PROX reaction. *Studies in Surface Science and Catalysis*, **2010**, 719-722	1.8	1
174	Modifications of porous stainless steel previous to the synthesis of Pd membranes. *Studies in Surface Science and Catalysis*, **2010**, 175, 779-783	1.8	7
173	Design of appropriate surface sites for ruthenium-ceria catalysts supported on graphite by controlled preparation method. *Studies in Surface Science and Catalysis*, **2010**, 751-754	1.8	
172	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	2.3	48
171	Adsorption of non-ionic surfactants on hydrophobic and hydrophilic carbon surfaces. *Journal of Colloid and Interface Science*, **2010**, 343, 194-9	9.3	32
170	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	10.4	124
169	Thiophene as Internal Promoter of Selectivity for the Liquid Phase Hydrogenation of Citral Over Ru/KL Catalysts. *Catalysis Letters*, **2009**, 129, 376-382	2.8	8
168	Role of B5-Type Sites in Ru Catalysts used for the NH3 Decomposition Reaction. *Topics in Catalysis*, **2009**, 52, 758-764	2.3	94
167	Effects of functionalized carbon nanotubes in peroxide crosslinking of diene elastomers. *European Polymer Journal*, **2009**, 45, 1017-1023	5.2	17
166	Comparative study of support effects in ruthenium catalysts applied for wet air oxidation of aromatic compounds. *Catalysis Today*, **2009**, 143, 355-363	5.3	24
165	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	5.1	20
164	Efficient catalytic wet oxidation of phenol using iron acetylacetonate complexes anchored on carbon nanofibres. *Carbon*, **2009**, 47, 2095-2102	10.4	22

163	Novel strategy for the synthesis of vertically orientated carbon nanofibers. *Materials Research Bulletin*, **2008**, 43, 1737-1742	5.1	2
162	High purity hydrogen production by low temperature catalytic ammonia decomposition in a multifunctional membrane reactor. *Catalysis Communications*, **2008**, 9, 482-486	3.2	76
161	Changes in the selective hydrogenation of citral induced by copper addition to Ru/KL catalysts. *Microporous and Mesoporous Materials*, **2008**, 110, 186-196	5.3	13
160	On the interactions of phenol, aniline and p-nitrophenol on activated carbon surfaces as detected by TPD. *Carbon*, **2008**, 46, 870-875	10.4	25
159	Effect of the carbon support nano-structures on the performance of Ru catalysts in the hydrogenation of paracetamol. *Carbon*, **2008**, 46, 1046-1052	10.4	23
158	Improving the synthesis of high purity carbon nanotubes in a catalytic fluidized bed reactor and their comparative test for hydrogen adsorption capacity. *Catalysis Today*, **2008**, 133-135, 815-821	5.3	12
157	Structural changes on RuCu/KL bimetallic catalysts as evidenced by n-hexane reforming. *Catalysis Today*, **2008**, 133-135, 793-799	5.3	4
156	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	5.1	21
155	The effect of growth temperature and iron precursor on the synthesis of high purity carbon nanotubes. *Diamond and Related Materials*, **2007**, 16, 542-549	3.5	19
154	Support effects on Ru□HPA bifunctional catalysts: Surface characterization and catalytic performance. *Applied Catalysis A: General*, **2007**, 333, 281-289	5.1	13
153	Characterization and Catalytic Performance of PtSn Catalysts Supported on Al2O3 and Na-doped Al2O3 in n-butane Dehydrogenation. *Catalysis Letters*, **2007**, 119, 5-15	2.8	27
152	Influence of modifiers on the performance of Ru-supported catalysts on the stereoselective hydrogenation of 4-acetamidophenol. *Applied Surface Science*, **2007**, 253, 4805-4813	6.7	6
151	Adsorption and microcalorimetric measurements on activated carbons prepared from Polyethylene Terephtalate. *Studies in Surface Science and Catalysis*, **2007**, 185-192	1.8	1
150	Hydrogenation of CO and CO2 on carbon black-supported Ru catalysts. *Journal of Chemical Technology and Biotechnology*, **2007**, 36, 67-73	3.5	8
149	Detection of specific electronic interactions at the interface aromatic hydrocarbon-graphite by immersion calorimetry. *Studies in Surface Science and Catalysis*, **2007**, 160, 689-696	1.8	1
148	Development of nanostructured catalytic membranes for partial benzene hydrogenation to cyclohexene. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 4391-401	1.3	1
147	Modification of catalytic properties over carbon supported Ru□Cu and Ni□Cu bimetallics: I. Functional selectivities in citral and cinnamaldehyde hydrogenation. *Applied Catalysis A: General*, **2006**, 300, 120-129	5.1	43
146	Characteristics of the metallic phase of Pt/Al2O3 and Na-doped Pt/Al2O3 catalysts for light paraffins dehydrogenation. *Chemical Engineering Journal*, **2006**, 118, 161-166	14.7	26

145	The role of alpha-iron and cementite phases in the growing mechanism of carbon nanotubes: a 57Fe Mössbauer spectroscopy study. *Physical Chemistry Chemical Physics*, **2006**, 8, 1230-5	3.6	36
144	Catalytic Activity and Characterization of Oxygen Mobility on Pt/Ce0.75Zr0.25O2 Catalyst by Isotopic Exchange with 18O. *Chinese Journal of Catalysis*, **2006**, 27, 109-114	11.3	7
143	Modification of the stereoselectivity in the citral hydrogenation by application of carbon nanotubes as support of the Pt particles. *Carbon*, **2006**, 44, 804-806	10.4	24
142	Interactions between toluene and aniline and graphite surfaces. *Carbon*, **2006**, 44, 3130-3133	10.4	4
141	Modification of catalytic properties over carbon supported Ru–Cu and Ni–Cu bimetallics: II. Paracetamol hydrogenation and n-hexane conversion. *Applied Catalysis A: General*, **2006**, 303, 88-95	5.1	6
140	Infiltrated glassy carbon membranes in α-Al2O3 supports. *Journal of Membrane Science*, **2006**, 281, 500-507	3.6	15
139	Surface and structural effects in the hydrogenation of citral over RuCu/KL catalysts. *Microporous and Mesoporous Materials*, **2006**, 97, 122-131	5.3	20
138	Effect of the reduction–preparation method on the surface states and catalytic properties of supported-nickel particles. *Journal of Molecular Catalysis A*, **2006**, 258, 221-230		11
137	Surface sites on carbon-supported Ru, Co and Ni nanoparticles as determined by microcalorimetry of CO adsorption. *Thermochimica Acta*, **2005**, 434, 100-106	2.9	7
136	Study of CO chemisorption on graphite-supported Ru–Cu and Ni–Cu bimetallic catalysts. *Thermochimica Acta*, **2005**, 434, 113-118	2.9	25
135	13C MAS-NMR study of carbon nanotubes grown by catalytic decomposition of acetylene on Fe–silica catalysts. *Carbon*, **2005**, 43, 2631-2634	10.4	10
134	Further insights into the Ru nanoparticles–carbon interactions and their role in the catalytic properties. *Carbon*, **2005**, 43, 2711-2722	10.4	41
133	Modifications of the citral hydrogenation selectivities over Ru/KL-zeolite catalysts induced by the metal precursors. *Catalysis Today*, **2005**, 107-108, 302-309	5.3	40
132	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	7.3	33
131	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	5.1	35
130	Performance of PtSn catalysts supported on MAl2O4 (M: Mg or Zn) in n-butane dehydrogenation: characterization of the metallic phase. *Applied Catalysis A: General*, **2004**, 277, 11-22	5.1	100
129	Syntheses of CNTs over several iron-supported catalysts: influence of the metallic precursors. *Catalysis Today*, **2004**, 93-95, 681-687	5.3	23
128	Stereoselective hydrogenation of Paracetamol to trans-4-acetamidocyclohexanol on carbon-supported Ru?M (M = Co, Ni) bimetallic catalysts. *Catalysis Today*, **2004**, 93-95, 395-403	5.3	19

127	Growing mechanism of CNTs: a kinetic approach. *Journal of Catalysis*, **2004**, 224, 197-205	7.3	87
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