Antonio Guerrero-Ruiz

List of Publications by Year
in descending order

293	9,210	49	77
papers	citations	h-index	g-index
		41344	69250

301	301	301	8730
all docs	docs citations	times ranked	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	Interaction of aqueous solutions of phenol with commercial activated carbons: an adsorption and kinetic study. Carbon, 1999, 37, 1065-1074.	10.3	201
5	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
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	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.	4.3	110
14	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
15	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
16	Growing mechanism of CNTs: a kinetic approach. Journal of Catalysis, 2004, 224, 197-205.	6.2	99
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	High purity hydrogen production by low temperature catalytic ammonia decomposition in a multifunctional membrane reactor. Catalysis Communications, 2008, 9, 482-486.	3.3	92
22	Adsorption of emerging pollutants on functionalized multiwall carbon nanotubes. Chemosphere, 2015, 136, 174-180.	8.2	88
23	Effects of the surface chemistry of carbon materials on the adsorption of phenolâ€“aniline mixtures from water. Carbon, 2004, 42, 653-665.	10.3	86
24	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
25	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
26	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
27	Dehydrogenation of methanol to methyl formate over supported copper catalysts. Applied Catalysis, 1991, 72, 119-137.	0.8	82
28	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
29	Structural, Morphological, and Oxygen Handling Properties of Nanosized Ceriumâ^'Terbium Mixed Oxides Prepared by Microemulsion. Chemistry of Materials, 2003, 15, 4309-4316.	6.7	81
30	Methane interaction with silica and alumina supported metal catalysts. Applied Catalysis A: General, 1997, 148, 343-356.	4.3	76
31	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
32	Adsorption of Aromatic Compounds from Water by Treated Carbon Materials. Environmental Science & Technology, 2004, 38, 5786-5796.	10.0	75
33	Adsorption of Polyoxyethylenic Nonionic and Anionic Surfactants from Aqueous Solution: Effects Induced by the Addition of NaCl and CaCl2. Journal of Colloid and Interface Science, 1998, 205, 97-105.	9.4	71
34	Reduction of NOx in C3H6/air mixtures over Cu/Al2O3 catalysts. Applied Catalysis B: Environmental, 1997, 14, 189-202.	20.2	68
35	Oxydehydrogenation of ethylbenzene to styrene catalyzed by graphites and activated carbons. Carbon, 1994, 32, 23-29.	10.3	63
36	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

#	Article	IF	Citations
37	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
38	Comparative Study of the Adsorption from Aqueous Solutions and the Desorption of Phenol and Nonylphenol Substrates on Activated Carbons. Journal of Colloid and Interface Science, 2001, 234, 316-321.	9.4	57
39	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
40	Tracking Down the Reduction Behavior of Copper-on-Alumina Catalysts. Journal of Catalysis, 1998, 178, 253-263.	6.2	54
41	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
42	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
43	Modification of catalytic properties over carbon supported Ruâ€"Cu and Niâ€"Cu bimetallics. Applied Catalysis A: General, 2006, 300, 120-129.	4.3	51
44	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
45	Ceâ€"Zrâ€"Ca Ternary Mixed Oxides: Structural Characteristics and Oxygen Handling Properties. Journal of Catalysis, 2002, 211, 326-334.	6.2	50
46	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
47	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
48	Promoter Effect of Cesium on Câ€"C Bond Formation during Alcohol Synthesis from CO/H2over Cu/ZnO/Cr2O3Catalysts. Journal of Catalysis, 1996, 163, 418-428.	6.2	49
49	On the applicability of membrane technology to the catalysed dry reforming of methane. Applied Catalysis A: General, 2002, 237, 239-252.	4.3	49
50	Dehydrogenation of methanol to methyl formate over copper-containing perovskite-type oxides. Applied Catalysis, 1991, 68, 217-228.	0.8	48
51	Comparative Study by Infrared Spectroscopy and Microcalorimetry of the CO Adsorption over Supported Palladium Catalysts. Langmuir, 2000, 16, 8100-8106.	3.5	48
52	Influence of the preparation method on the behaviour of Fe-Mo catalysts for the oxidation of methanol. Journal of Materials Science, 1995, 30, 496-503.	3.7	46
53	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
54	TAP studies of ammonia decomposition over Ru and Ir catalysts. Physical Chemistry Chemical Physics, 2011, 13, 12892.	2.8	46

#	Article	IF	Citations
55	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
56	Further insights into the Ru nanoparticlesâ€"carbon interactions and their role in the catalytic properties. Carbon, 2005, 43, 2711-2722.	10.3	44
57	Dry reforming of methane using Pd-based membrane reactors fabricated from different substrates. Journal of Membrane Science, 2013, 435, 218-225.	8.2	44
58	Reactions of propene on supported molybdenum and tungsten oxides. Journal of Molecular Catalysis A, 1995, 95, 147-154.	4.8	43
59	Isotopic tracing experiments in syngas production from methane on Ru/Al2O3 and Ru/SiO2. Catalysis Today, 1998, 46, 99-105.	4.4	43
60	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
61	Porous carbon as support for iron and ruthenium catalysts. Fuel, 1984, 63, 1089-1094.	6.4	42
62	Adsorption of Polyoxyethylenic Surfactants on Quartz, Kaolin, and Dolomite: A Correlation between Surfactant Structure and Solid Surface Nature. Journal of Colloid and Interface Science, 1996, 181, 571-580.	9.4	42
63	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
64	Catalytic and redox properties of bimetallic Cuâ€"Ni systems combined with CeO2 or Gd-doped CeO2 for methane oxidation and decomposition. Applied Catalysis B: Environmental, 2012, 111-112, 96-105.	20.2	42
65	Polyoxotungstate@Carbon Nanocomposites As Oxygen Reduction Reaction (ORR) Electrocatalysts. Langmuir, 2018, 34, 6376-6387.	3.5	41
66	Carbon nanostrutured materials as direct catalysts for phenol oxidation in aqueous phase. Applied Catalysis B: Environmental, 2011, 104, 101-109.	20.2	40
67	Bioethanol dehydrogenation over copper supported on functionalized graphene materials and a high surface area graphite. Carbon, 2016, 102, 426-436.	10.3	40
68	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
69	Adsorption of non-ionic surfactants on hydrophobic and hydrophilic carbon surfaces. Journal of Colloid and Interface Science, 2010, 343, 194-199.	9.4	39
70	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.	20.2	39
71	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
72	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

#	Article	IF	Citations
73	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
74	Cooperative action of heteropolyacids and carbon supported Ru catalysts for the conversion of cellulose. Catalysis Today, 2018, 301, 65-71.	4.4	39
75	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
76	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
77	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
78	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
79	Platinum catalysts supported on activated carbons II. Isomerization and hydrogenolysis of n-butane. Journal of Catalysis, 1987, 107, 1-7.	6.2	35
80	Sulfur-resistant carbon-supported iridium catalysts: Cyclohexane dehydrogenation and benzene hydrogenation. Journal of Catalysis, 1992, 135, 458-466.	6.2	35
81	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
82	Bifunctional pathways in the carbon dioxide reforming of methane over MgO-promoted Ru/C catalysts. Catalysis Letters, 2000, 66, 33-37.	2.6	34
83	Effect of the chromium precursor nature on the physicochemical and catalytic properties of Crâ€“ZSM-5 catalysts: Application to the ammoxidation of ethylene. Journal of Molecular Catalysis A, 2011, 339, 8-16.	4.8	34
84	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
85	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
86	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
87	Study of CO chemisorption on graphite-supported Ruâ€“Cu and Niâ€“Cu bimetallic catalysts. Thermochimica Acta, 2005, 434, 113-118.	2.7	33
88	Cooperative action of cobalt and MgO for the catalysed reforming of CH4 with CO2. Catalysis Today, 1994, 21, 545-550.	4.4	32
89	Title is missing!. Topics in Catalysis, 2002, 19, 303-311.	2.8	32
90	Characterization and Catalytic Performance of PtSn Catalysts Supported on Al2O3 and Na-doped Al2O3 in n-butane Dehydrogenation. Catalysis Letters, 2007, 119, 5-15.	2.6	32

#	Article	IF	Citations
91	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
92	Efficient hydrogen production from glycerol by steam reforming with carbon supported ruthenium catalysts. Carbon, 2016, 96, 578-587.	10.3	32
93	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
94	Cu and Pd nanoparticles supported on a graphitic carbon material as bifunctional HER/ORR electrocatalysts. Catalysis Today, 2020, 357, 279-290.	4.4	31
95	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
96	Carbon supported bimetallic catalysts containing iron. Applied Catalysis A: General, 1992, 81, 81-100.	4.3	29
97	Simultaneous hydrodesulfurization of thiophene and hydrogenation of cyclohexene over dimolybdenum nitride catalysts. Applied Catalysis A: General, 1999, 180, 237-245.	4.3	29
98	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.	12.7	29
99	On the interactions of phenol, aniline and p-nitrophenol on activated carbon surfaces as detected by TPD. Carbon, 2008, 46, 870-875.	10.3	29
100	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
101	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
102	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
103	In situ study of carbon nanotube formation by C2H2 decomposition on an iron-based catalyst. Carbon, 2000, 38, 2003-2006.	10.3	28
104	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
105	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
106	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
107	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
108	Specific Interactions between Aromatic Electrons of Organic Compounds and Graphite Surfaces As Detected by Immersion Calorimetry. Langmuir, 2004, 20, 1013-1015.	3.5	27

#	Article	IF	Citations
109	High nitrogen doped graphenes and their applicability as basic catalysts. Diamond and Related Materials, 2014, 44, 26-32.	3.9	27
110	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
111	Carbon-supported bimetallic catalysts containing iron. Applied Catalysis A: General, 1992, 81, 101-112.	4.3	26
112	Preparation, Characterization, and Activity forn-Hexane Reactions of Alumina-Supported Rhodiumâ€“Copper Catalysts. Journal of Catalysis, 1997, 171, 374-382.	6.2	26
113	Oxidative dehydrogenation of isobutane over magnesium molybdate catalysts. Catalysis Today, 2000, 61, 377-382.	4.4	26
114	Pure hydrogen production from methylcyclohexane using a new high performance membrane reactor. Chemical Communications, 2002, , 2082-2083.	4.1	26
115	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
116	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
117	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
118	Adsorption capacity of Saran carbons at high temperatures and under dynamic conditions. Carbon, 1984, 22, 301-304.	10.3	25
119	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
120	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
121	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
122	Hydrogenation of CO on carbon-supported iron catalysts prepared from iron penta-carbonyl. Applied Catalysis, 1986, 21, 251-261.	0.8	24
123	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
124	Mechanism of hydrogen spillover over carbon supported metal catalysts. Studies in Surface Science and Catalysis, 1997, 112, 241-250.	1.5	24
125	Catalytic properties of carbon-supported ruthenium catalysts for n-hexane conversion. Applied Catalysis A: General, 1998, 173, 231-238.	4.3	24
126	Syntheses of CNTs over several iron-supported catalysts: influence of the metallic precursors. Catalysis Today, 2004, 93-95, 681-687.	4.4	24

#	Article	IF	Citations
127	Surface and structural effects in the hydrogenation of citral over RuCu/KL catalysts. Microporous and Mesoporous Materials, 2006, 97, 122-131.	4.4	24
128	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
129	Direct sulfation of a Zr-based metal-organic framework to attain strong acid catalysts. Microporous and Mesoporous Materials, 2019, 290, 109686.	4.4	24
130	Decomposition of NO on Cu-loaded zeolites. Catalysis Today, 1993, 17, 167-174.	4.4	23
131	Ceâ€“Zrâ€“Ca Ternary Mixed Oxides: Structural Characteristics and Oxygen Handling Properties. Journal of Catalysis, 2002, 211, 326-334.	6.2	23
132	Surface study of graphite-supported Ruâ€“Co and Ruâ€“Ni bimetallic catalysts. Applied Catalysis A: General, 2004, 275, 257-269.	4.3	23
133	Efficient catalytic wet oxidation of phenol using iron acetylacetonate complexes anchored on carbon nanofibres. Carbon, 2009, 47, 2095-2102.	10.3	23
134	Ammoxidation of ethylene over low and over-exchanged Crâ€“ZSM-5 catalysts. Applied Catalysis A: General, 2012, 415-416, 132-140.	4.3	23
135	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
136	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
137	Surface Characterization of Zirconia-Coated Alumina and Silica Carriers. Journal of Colloid and Interface Science, 1993, 159, 454-459.	9.4	22
138	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
139	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
140	Deposition of gold nanoparticles on ZnO and their catalytic activity for hydrogenation applications. Catalysis Communications, 2012, 22, 79-82.	3.3	22
141	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
142	Effects of functionalized carbon nanotubes in peroxide crosslinking of diene elastomers. European Polymer Journal, 2009, 45, 1017-1023.	5.4	21
143	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
144	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

#	Article	IF	Citations
145	Microcalorimetric Study of H2Adsorption on Molybdenum Nitride Catalysts. Langmuir, 1999, 15, 4927-4929.	3.5	20
146	Genesis of Surface and Bulk Phases in Rhodiumâˆ'Copper Catalysts. Langmuir, 1999, 15, 5295-5302.	3.5	20
147	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
148	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
149	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.	4.3	20
150	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.	20.2	20
151	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.	4.4	20
152	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
153	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
154	Temperature dependence of the pseudomorphic transformation of MoO3 TO Î³-Mo2N. Materials Research Bulletin, 1999, 34, 145-156.	5.2	19
155	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
156	An immersion calorimetry study of the interaction of organic compounds with carbon nanotube surfaces. Carbon, 2012, 50, 2731-2740.	10.3	19
157	Naturally-Occurring Silicates as Carriers for Copper Catalysts Used in Methanol Conversion. Clays and Clay Minerals, 1992, 40, 167-174.	1.3	18
158	Interaction of triton X-100 on silica: A relationship between surface characteristics and adsorption isotherms. Journal of Chemical Technology and Biotechnology, 1995, 63, 249-256.	3.2	18
159	Title is missing!. Catalysis Letters, 1997, 49, 163-167.	2.6	18
160	Infiltrated glassy carbon membranes in Î³-Al2O3 supports. Journal of Membrane Science, 2006, 281, 500-507.	8.2	18
161	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
162	Effect of Cu and Cs in the Î²-Mo2C System for CO2 Hydrogenation to Methanol. Catalysts, 2020, 10, 1213.	3.5	18

#	Article	IF	Citations
163	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
164	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
165	Role of Exposed Surfaces on Zinc Oxide Nanostructures in the Catalytic Ethanol Transformation. ChemSusChem, 2015, 8, 2223-2230.	6.8	17
166	Selective 1,3-butadiene hydrogenation by gold nanoparticles on novel nano-carbon materials. Catalysis Today, 2015, 249, 117-126.	4.4	17
167	Promoter effect of alkalis on CuO/CeO 2 /carbon nanotubes systems for the PROx reaction. Catalysis Today, 2018, 301, 141-146.	4.4	17
168	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
169	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
170	FTIR study of CO and NO adsorbed on nitrided CoMo/Al2O3 catalysts. Physical Chemistry Chemical Physics, 2000, 2, 3313-3317.	2.8	16
171	Surface properties of activated carbons in relation to their ability to adsorb nonylphenol aqueous contaminant. Physical Chemistry Chemical Physics, 2001, 3, 463-468.	2.8	16
172	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
173	Low Solvothermal Synthesis and Characterization of Hollow Nanospheres Molybdenum Sulfide. Journal of Nanoscience and Nanotechnology, 2012, 12, 6679-6685.	0.9	16
174	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
175	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
176	Ammoxidation of C 2 hydrocarbons over Moâ€"zeolite catalysts prepared by solid-state ion exchange: Nature of molybdenum species. Microporous and Mesoporous Materials, 2016, 219, 77-86.	4.4	16
177	Light hydrocarbons ammoxidation into acetonitrile over Moâ€"ZSM-5 catalysts: Effect of molybdenum precursor. Microporous and Mesoporous Materials, 2017, 241, 246-257.	4.4	16
178	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
179	Effect of hydrogen reduction on the surface characteristics of carbon-supported iron and ruthenium catalysts. Applied Catalysis, 1986, 23, 299-307.	0.8	15
180	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

#	Article	IF	Citations
181	Changes of copper location in CuY zeolites induced by preparation methods. Catalysis Letters, 1996, 41, 55-61.	2.6	15
182	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
183	Surface study of rhodium nanoparticles supported on alumina. Catalysis Today, 2004, 93-95, 567-574.	4.4	15
184	Kinetic analysis of the Ru/SiO2-catalyzed low temperature methane steam reforming. Applied Catalysis A: General, 2012, 413-414, 366-374.	4.3	15
185	Crâ€"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.	4.4	15
186	Microwave-assisted silylation of graphite oxide and iron(III) porphyrin intercalation. Polyhedron, 2014, 81, 475-484.	2.2	15
187	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
188	Influence of dispersion on the energies of adsorption: H2, CO, propylene and propyne on supported Pd or Pt. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1989, 12, 583-586.	1.0	14
189	Title is missing!. Catalysis Letters, 1997, 45, 113-118.	2.6	14
190	Title is missing!. Catalysis Letters, 2003, 89, 63-67.	2.6	14
191	Effect of the reductionâ€"preparation method on the surface states and catalytic properties of supported-nickel particles. Journal of Molecular Catalysis A, 2006, 258, 221-230.	4.8	14
192	Support effects on Ruâ€"HPA bifunctional catalysts: Surface characterization and catalytic performance. Applied Catalysis A: General, 2007, 333, 281-289.	4.3	14
193	Direct catalytic effect of nitrogen functional groups exposed on graphenic materials when acting cooperatively with Ru nanoparticles. RSC Advances, 2017, 7, 44568-44577.	3.6	14
194	Continuous Gasâ€Phase Condensation of Bioethanol to 1â€Butanol over Bifunctional Pd/Mg and Pd/Mgâ€"Carbon Catalysts. ChemSusChem, 2018, 11, 3502-3511.	6.8	14
195	Calorimetric study of the coadsorption of hydrogen and carbon monoxide over ruthenium graphitized carbon black catalysts. Applied Catalysis, 1989, 55, 21-31.	0.8	13
196	Oxygen handling properties of Ce-Ca mixed oxides solutions. Studies in Surface Science and Catalysis, 2001, , 347-354.	1.5	13
197	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.	4.4	13
198	Phenol adsorption from water solutions over microporous andÂmesoporous carbon surfaces: a real time kinetic study. Adsorption, 2011, 17, 483-488.	3.0	13

#	Article	IF	Citations
199	Selective 1,3-butadiene hydrogenation by gold nanoparticles deposited & precipitated onto nano-carbon materials. RSC Advances, 2015, 5, 81583-81598.	3.6	13
200	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.	4.8	13
201	H2/D2 isotopic exchange: A tool to characterize complex hydrogen interaction with carbon-supported ruthenium catalysts. Catalysis Today, 2016, 259, 9-18.	4.4	13
202	Optimization of Cu-Ni-Mn-catalysts for the conversion of ethanol to butanol. Catalysis Today, 2020, 357, 132-142.	4.4	13
203	Transformations of n-heptane over Pt/activated carbon catalysts. Applied Catalysis A: General, 1994, 119, 271-278.	4.3	12
204	Catalytic behaviour of carbon-supported FeM (M = Ru, Pt) in pyridine hydrodenitrogenation. Fuel, 1995, 74, 279-283.	6.4	12
205	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.	4.3	12
206	Hydrocarbons adsorption on metal trimesate MOFs: Inverse gas chromatography and immersion calorimetry studies. Thermochimica Acta, 2015, 602, 36-42.	2.7	12
207	Surface properties of amphiphilic carbon nanotubes and study of their applicability as basic catalysts. RSC Advances, 2016, 6, 54293-54298.	3.6	12
208	Continuous Catalytic Condensation of Ethanol into 1-Butanol: The Role of Metallic Oxides (M = MgO,) Tj ETQq0 0 0 rgBT /Overlock 10 T 59, 16626-16636.	3.7	12
209	Hydrogenation of CO2 on carbon-supported nickel and cobalt. Reaction Kinetics and Catalysis Letters, 1985, 29, 93-99.	0.6	11
210	A mechanistic study of the oxygen insertion into MoO3 crystals as revealed by SIMS and TPSR techniques. Journal of Catalysis, 1992, 137, 429-436.	6.2	11
211	Description of active sites on molybdenum oxide as detected by isotope exchange between C18O2 and Mo16O3. Catalysis Today, 1996, 32, 223-227.	4.4	11
212	Hydrogenation of crotonaldehyde over carbonâ€supported molybdenum nitrides. Catalysis Letters, 1998, 55, 165-168.	2.6	11
213	13C MAS-NMR study of carbon nanotubes grown by catalytic decomposition of acetylene on Feâ€“silica catalysts. Carbon, 2005, 43, 2631-2634.	10.3	11
214	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.	2.7	11
215	Reductive degradation of 2,4-dichlorophenoxyacetic acid using Pd/carbon with bifunctional mechanism. Catalysis Today, 2020, 357, 361-367.	4.4	11
216	Diastereoselective hydrogenation of o-toluic acid coupled with (S)-proline and (S)-pyroglutamic acid methyl esters on ruthenium catalysts. Journal of Molecular Catalysis A, 2000, 164, 147-155.	4.8	10

#	Article	IF	Citations
217	Modifications of porous stainless steel previous to the synthesis of Pd membranes. Studies in Surface Science and Catalysis, 2010, 175, 779-783.	1.5	10
218	MgAl2O4 spinel prepared by mechanochemical synthesis used as a support of multimetallic catalysts for paraffin dehydrogenation. Catalysis in Industry, 2013, 5, 61-73.	0.7	10
219	Fructose Transformations in Ethanol using Carbon Supported Polyoxometalate Acidic Solids for 5â€Ethoxymethylfurfural Production. ChemCatChem, 2018, 10, 3746-3753.	3.7	10
220	Comparative Study of Different Acidic Surface Structures in Solid Catalysts Applied for the Isobutene Dimerization Reaction. Nanomaterials, 2020, 10, 1235.	4.1	10
221	Metal dispersion effects on CO hydrogenatio over Ru/graphitized carbon black catalysts. Journal of the Chemical Society Chemical Communications, 1984, , 1681-1682.	2.0	9
222	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.	5.7	9
223	Ceramic hollow fibres catalytic enhanced reactors for glycerol steam reforming. Catalysis Today, 2014, 233, 21-30.	4.4	9
224	Effect of particle size on the desorption and dissociation of CO from carbon-supported iron catalysts. Reaction Kinetics and Catalysis Letters, 1985, 28, 419-424.	0.6	8
225	Joint use of XPS and Auger techniques for the identification of chemical state of copper in spent catalysts. Surface and Interface Analysis, 1992, 19, 548-552.	1.8	8
226	Mechanistic Aspects of The Selective Oxidation of Methane to C1-Oxygenates Over MoO3/SiO2 Catalysts in A Single Catalytic Step. Studies in Surface Science and Catalysis, 1993, 75, 1131-1144.	1.5	8
227	Surface sites on carbon-supported Ru, Co and Ni nanoparticles as determined by microcalorimetry of CO adsorption. Thermochimica Acta, 2005, 434, 100-106.	2.7	8
228	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.	14.0	8
229	Hydrogenation of CO and CO₂ on carbon blackâ€supported Ru catalysts. Journal of Chemical Technology and Biotechnology, 1986, 36, 67-73.	3.2	8
230	Thiophene as Internal Promoter of Selectivity for the Liquid Phase Hydrogenation of Citral Over Ru/KL Catalysts. Catalysis Letters, 2009, 129, 376-382.	2.6	8
231	Solidâ€“state ion exchange of molybdenum (VI) acetylacetonate into ZSM-5 zeolite. Thermochimica Acta, 2017, 652, 150-159.	2.7	8
232	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.	6.1	8
233	Difference in the deactivation of Au catalysts during ethanol transformation when supported on ZnO and on TiO₂. RSC Advances, 2018, 8, 7473-7485.	3.6	8
234	Bioethanol Transformations Over Active Surface Sites Generated on Carbon Nanotubes or Carbon Nanofibers Materials. Open Catalysis Journal, 2014, 7, 1-7.	0.9	8

#	Article	IF	Citations
235	Oxidative dehydrogenation of ethane over chromia-pillared montmorillonite catalysts. Studies in Surface Science and Catalysis, 1994, 82, 103-111.	1.5	7
236	Carbothermally generated copperâ€“molybdenum carbide supported on graphite for the CO₂ hydrogenation to methanol. Catalysis Science and Technology, 2021, 11, 4051-4059.	4.1	7
237	Hydrogenation of CO2 on Fe/carbon catalysts. Reaction Kinetics and Catalysis Letters, 1986, 31, 349-354.	0.6	6
238	Hydrodesulfurization and hydrogenation activities of carbon supported bimetallic catalysts. Reaction Kinetics and Catalysis Letters, 1990, 41, 167-173.	0.6	6
239	Pretreatment effects and NO x decomposition on alumina supported Rh/MoO3 catalysts. Topics in Catalysis, 1994, 1, 123-136.	2.8	6
240	Relationship between surface properties of PtSn-SiO2 catalysts and their catalytic performance for the CO2 and propylene reaction to yield hydroxybutanoic acid. Applied Organometallic Chemistry, 2000, 14, 783-788.	3.5	6
241	Modification of catalytic properties over carbon supported Ruâ€“Cu and Niâ€“Cu bimetallics. Applied Catalysis A: General, 2006, 303, 88-95.	4.3	6
242	Influence of modifiers on the performance of Ru-supported catalysts on the stereoselective hydrogenation of 4-acetamidophenol. Applied Surface Science, 2007, 253, 4805-4813.	6.1	6
243	Comparative study of bioethanol transformation catalyzed by Ru or Pt nanoparticles supported on KL zeolite. Catalysis Science and Technology, 2016, 6, 521-529.	4.1	6
244	Effect of Mo promotion on the activity and selectivity of Ru/Graphite catalysts for Fischer-Tropsch synthesis. Catalysis Today, 2020, 357, 185-192.	4.4	6
245	Promotion of Ru or Ni on Alumina Catalysts with a Basic Metal for CO2 Hydrogenation: Effect of the Type of Metal (Na, K, Ba). Nanomaterials, 2022, 12, 1052.	4.1	6
246	Influence of the particle size of metal in the hydrogenolysis of n-butane on carbon supported iron catalysts. Reaction Kinetics and Catalysis Letters, 1985, 27, 283-286.	0.6	5
247	Influence of surface structure on the interaction of allyl iodide with MoO3 catalysts. Journal of the Chemical Society Chemical Communications, 1987, , 1031.	2.0	5
248	Microcalorimetric and IR spectroscopic studies of CO adsorption on molybdenum nitride catalysts. Physical Chemistry Chemical Physics, 2003, 5, 1703-1707.	2.8	5
249	Solid-state ion exchange of ammonium heptamolybdate tetrahydrate into ZSM-5 zeolite. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1295-1306.	3.6	5
250	Taking advantage of sulfur impurities present in commercial carbon nanofibers to generate selective palladium catalysts. Carbon, 2020, 157, 120-129.	10.3	5
251	Characterization of Carbon-Supported Iron Catalysts Prepared from Fe(CO)₅. Adsorption Science and Technology, 1986, 3, 33-40.	3.2	4
252	Interaction of CO2 with ZnO Powders of Different Microcrystalline Surfaces. ACS Symposium Series, 1996, , 347-356.	0.5	4

#	Article	IF	Citations
253	Utilization of CO2 in the reforming of natural gas on carbon supported ruthenium catalysts. Influence of MgO addition. Studies in Surface Science and Catalysis, 1998, 114, 399-402.	1.5	4
254	Interactions between toluene and aniline and graphite surfaces. Carbon, 2006, 44, 3130-3133.	10.3	4
255	Structural changes on RuCu/KL bimetallic catalysts as evidenced by n-hexane reforming. Catalysis Today, 2008, 133-135, 793-799.	4.4	4
256	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.	4.3	4
257	Effect of surfactant concentration on the morphology of Mo_xS_y nanoparticles prepared by a solvothermal route. Green Processing and Synthesis, 2017, 6, 161-171.	3.4	4
258	Elucidation of the solid-state ion exchange mechanism of MoCl5 into ZSM-5 zeolite. Thermochimica Acta, 2017, 655, 269-277.	2.7	4
259	Tracking the paths for the sucrose transformations over bifunctional Ru-POM/AC catalysts. Catalysis Today, 2020, 357, 113-121.	4.4	4
260	Study of the Interaction of an Iron Phthalocyanine Complex over Surface Modified Carbon Nanotubes. Materials, 2021, 14, 4067.	2.9	4
261	CO hydrogenation over potassium promoted iron, cobalt, and nickel Catalysts Prepared from Cyanide Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1990, 582, 197-210.	1.2	3
262	Carbon monoxide hydrogenation over Fe/HZSM-5 catalysts. Effect of SiO2/Al2O3 zeolite ratio. Catalysis Letters, 1993, 18, 65-71.	2.6	3
263	Oxygen exchange between C18O2 and basic metal oxides (CaO, MgO, ZrO2 ZnO). Studies in Surface Science and Catalysis, 1997, 112, 277-284.	1.5	3
264	Support effect over rhodium catalysts during the reforming of methane by carbon dioxide. Studies in Surface Science and Catalysis, 2000, 130, 3675-3680.	1.5	3
265	Alumina supported molybdenum-nickel carbides as catalysts for the dry reforming of methane. Studies in Surface Science and Catalysis, 2001, , 437-444.	1.5	3
266	Development of Nanostructured Catalytic Membranes for Partial Benzene Hydrogenation to Cyclohexene. Journal of Nanoscience and Nanotechnology, 2007, 7, 4391-4401.	0.9	3
267	An immersion calorimetric study of the interactions between some organic molecules and functionalized carbon nanotube surfaces. Thermochimica Acta, 2013, 567, 107-111.	2.7	3
268	New Insights in the Development of Carbon Supported Ruthenium Catalysts for Hydrogenation of Levulinic Acid. Current Catalysis, 2018, 7, 129-137.	0.5	3
269	Cu-based N-doped/undoped graphene nanocomposites as electrocatalysts for the oxygen reduction. Journal of Applied Electrochemistry, 2019, 49, 693-703.	2.9	3
270	Tandem catalysts for the selective hydrogenation of butadiene with hydrogen generated from the decomposition of formic acid. Chemical Communications, 2021, 57, 6479-6482.	4.1	3

#	Article	IF	Citations
271	Evaluation of graphenic and graphitic materials on the adsorption of Triton X-100 from aqueous solution. Environmental Pollution, 2021, 284, 117161.	7.5	3
272	An attempt to correlate selectivity in CO hydrogenation and morphology of iron catalysts. Catalysis Letters, 1989, 2, 273-278.	2.6	2
273	Study of the activation process and catalytic behaviour of a supported iron ammonia synthesis catalyst. Applied Surface Science, 1993, 72, 103-111.	6.1	2
274	Hydrocarbons from synthesis gas: selectivity changes induced by the zeolite matrix on the metallic function in Rh/Y catalysts. Applied Catalysis A: General, 1993, 107, 59-71.	4.3	2
275	Some aspects of reversible chemisorption on supported platinum catalysts. Reaction Kinetics and Catalysis Letters, 1993, 49, 53-60.	0.6	2
276	Propylene Selective Oxidation as Studied by Oxygen-18 Labelling on Well-Denned MoO3 Catalysts. Studies in Surface Science and Catalysis, 1994, 82, 67-74.	1.5	2
277	Novel strategy for the synthesis of vertically orientated carbon nanofibers. Materials Research Bulletin, 2008, 43, 1737-1742.	5.2	2
278	Catalytic Removal of Water-Solved Aromatic Compounds by Carbon-Based Materials. , 2012, , 499-520.		2
279	Exploring the insertion of ethylenediamine and bis(3-aminopropyl)amine into graphite oxide. Nanoscience Methods, 2014, 3, 28-39.	1.0	2
280	Reduction of no with carbons using copper based catalysts. Coal Science and Technology, 1995, 24, 1795-1798.	0.0	1
281	Comparative determination of surface and lattice oxygen mobility on vanadium phosphorus oxides by isotopic exchange with C18O2. Studies in Surface Science and Catalysis, 2001, , 379-386.	1.5	1
282	Adsorption and microcalorimetric measurements on activated carbons prepared from Polyethylene Terephtalate. Studies in Surface Science and Catalysis, 2007, , 185-192.	1.5	1
283	Detection of specific electronic interactions at the interface aromatic hydrocarbon-graphite by immersion calorimetry. Studies in Surface Science and Catalysis, 2007, 160, 689-696.	1.5	1
284	Preparation of gold catalysts supported on SiO2-TiO2 for the CO PROX reaction. Studies in Surface Science and Catalysis, 2010, , 719-722.	1.5	1
285	Nitromethane-water competitive adsorption over modified activated carbon. Adsorption, 2011, 17, 595-602.	3.0	1
286	Building up Multiwall Carbon Nanotubes Nanostructures inside Millimetric Channels of Ceramic Monoliths. Journal of Nano Research, 2012, 18-19, 271-279.	0.8	1
287	Preparation, Characterization, and Activity of Pd/PSS-Modified Membranes in the Low Temperature Dry Reforming of Methane with and without Addition of Extra Steam. Membranes, 2021, 11, 518.	3.0	1
288	160. Changes in the adsorption capacity of Saran carbons for some hydrocarbons by gas chromatography. Carbon, 1984, 22, 222.	10.3	0

#	Article	IF	Citations
289	Surface reorganization of carbon supported cobalt catalysts during CO chemisorption. Reaction Kinetics and Catalysis Letters, 1990, 42, 113-120.	0.6	0
290	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.	1.5	0
291	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.	0.8	0
292	Facile solvothermal synthesis of bimetallic CoMoS2 and NiMoS2 nanospheres. Green Processing and Synthesis, 2015, 4, .	3.4	0
293	Application of New Nanoparticle Structures as Catalysts. Nanomaterials, 2020, 10, 1686.	4.1	0