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The role of carbon materials in heterogeneous catalysis

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1461	Modification of the surface chemistry of activated carbons. <i>Carbon</i> , 1999 , 37, 1379-1389	10.4	2310
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1457	Adsorption and Desorption Kinetics of n-Octane and n-Nonane Vapors on Activated Carbon. 1999 , 15, 6908-6914		49
1456	Physikalische Chemie 1998. 1999 , 47, 196-203		
1455	Highly Dispersed X/SiO ₂ and C/X/SiO ₂ (X=Alumina, Titania, Alumina/Titania) in the Gas and Liquid Media. 2000 , 230, 396-409		27
1454	Palladium catalysts on activated carbon supports. <i>Carbon</i> , 2000 , 38, 1241-1255	10.4	188
1453	Effect of MoCl ₅ addition on the carbonization and the subsequent steam activation of pitch and coking coals. <i>Carbon</i> , 2000 , 38, 525-534	10.4	3
1452	Bimetallic Pt/Bi catalysts supported on activated carbon. II. CO oxidation. <i>Catalysis Today</i> , 2000 , 62, 337-346	5.3	41
1451	Dispersion of cobalt (II) phthalocyaninetetrasulfonate on active carbon. 2000 , 192, 1-8		20
1450	Bimetallic Pt/Bi catalysts supported on activated carbon. 2000 , 192, 29-42		91
1449	Low temperature selective catalytic reduction of NO _x with C ₃ H ₆ under lean-burn conditions on activated carbon-supported platinum. 2000 , 25, 39-48		20
1448	Modeling Structural Morphology of Microporous Carbons by Reverse Monte Carlo. 2000 , 16, 5761-5773		189
1447	Synthesis of New, Nanoporous Carbon with Hexagonally Ordered Mesostructure. 2000 , 122, 10712-10713		2131

1446	POROUS CARBONS IN ADSORPTION AND CATALYSIS. 2001 , 309-355		18
1445	Behavior of Hydrogen Transfer in the Hydrogenation of Anthracene over Activated Carbon. 2001 , 15, 708-713		23
1444	Synthesis of supported palladium catalysts. 2001 , 173, 75-98		266
1443	CoMo/carbon hydrodeoxygenation catalysts: influence of the hydrogen sulfide partial pressure and of the sulfidation temperature. <i>Catalysis Today</i> , 2001 , 65, 257-264	5-3	92
1442	Formation of two metal phases in the preparation of activated carbon-supported nickel catalysts. 2001 , 209, 145-154		19
1441	Oxidative dehydrogenation of ethylbenzene on activated carbon catalysts: 3. Catalyst deactivation. 2001 , 218, 307-318		91
1440	Decomposition of H ₂ O ₂ on activated carbon obtained from olive stones. 2001 , 76, 1132-1140		114
1439	The effects of different activated carbon supports and support modifications on the properties of Pt/AC catalysts. <i>Carbon</i> , 2001 , 39, 175-185	10.4	219
1438	Effects of pore structure and temperature on VOC adsorption on activated carbon. <i>Carbon</i> , 2001 , 39, 523-534	10.4	273
1437	Effect of activation on the surface chemistry of carbons from polymer precursors. <i>Carbon</i> , 2001 , 39, 1217-1228	10.4	209
1436	Effect of modification with HNO ₃ and NaOH on metal adsorption by pitch-based activated carbon fibers. <i>Carbon</i> , 2001 , 39, 1635-1642	10.4	412
1435	Silica gel-templated mesoporous carbons prepared from mesophase pitch and polyacrylonitrile. <i>Carbon</i> , 2001 , 39, 2080-2082	10.4	32
1434	FULLERENES AND FULLERENE-BASED MATERIALS IN CATALYSIS. 2001 , 9, 255-280		52
1433	Low-temperature SCR of NO _x with NH ₃ over Nomex®-based activated carbon fibre composite-supported manganese oxides. 2001 , 34, 43-53		41
1432	Ammonia accessibility to the porosity of several activated carbons measured by flow adsorption microcalorimetry. 2002 , 239-246		
1431	Chemical vapor deposition methods for the controlled preparation of supported catalytic materials. 2002 , 102, 3085-128		194
1430	Adsorption of Metal Ions on Nitrogen Surface Functional Groups in Activated Carbons. 2002 , 18, 470-478		221
1429	Heterogenization of a Functionalized Copper(II) Schiff Base Complex by Direct Immobilization onto an Oxidized Activated Carbon. 2002 , 18, 8017-8024		71

1428	Pore structure effects on Ca-based sorbent sulfation capacity at medium temperatures: activated carbon as sorbent/catalyst support. 2002 , 52, 1281-7		3
1427	Studies on the Utilisation of Spent Palladium Activated Carbon (Pd/AC) Catalysts. 2002 , 20, 683-693		6
1426	Examination of the surface chemistry of activated carbon on enantioselective hydrogenation of methyl pyruvate over Pt/C catalysts. 2002 , 179, 243-251		23
1425	Carbon materials as catalysts for methylamines synthesis. 2002 , 224, 239-253		19
1424	Catalytic fibers and cloths. 2002 , 231, 1-16		180
1423	Dynamic adsorption of ammonia on activated carbons measured by flow microcalorimetry. 2002 , 233, 141-150		27
1422	Immobilisation of amine-functionalised nickel(II) Schiff base complexes onto activated carbon treated with thionyl chloride. 2002 , 55, 275-284		68
1421	Influence of the active phase loading in carbon supported molybdenum-cobalt catalysts for hydrodeoxygenation reactions. 2002 , 56, 279-290		33
1420	Surface acidity of the activated CBC. 2002 , 77-78, 317-324		11
1419	Oxidized carbon as a support of copper oxide catalysts for methanol decomposition to hydrogen and carbon monoxide. 2002 , 81, 203-209		29
1418	Reaction of CO with carbon and carbon-supported catalysts. 2002 , 77-78, 395-400		
1417	Comparison of preparation methods for carbon nanotubes supported iron Fischer-Tropsch catalysts. <i>Catalysis Today</i> , 2002 , 71, 327-334	5-3	166
1416	Fuel processor integrated H ₂ S catalytic partial oxidation technology for sulfur removal in fuel cell power plants. 2002 , 81, 2157-2166		40
1415	Formation of oxygen complexes by ozonation of carbonaceous materials prepared from cherry stones. <i>Carbon</i> , 2002 , 40, 513-522	10.4	52
1414	Composites of expanded natural graphite and in situ prepared activated carbons. <i>Carbon</i> , 2002 , 40, 1255-1265	10.4	42
1413	Enhancement of adsorption on graphite (HOPG) by modification of surface chemical functionality and morphology. <i>Carbon</i> , 2002 , 40, 2351-2358	10.4	32
1412	Effect of thermal and oxidative treatments of activated carbon on its surface structure and suitability as a support for barium-promoted ruthenium in ammonia synthesis catalysts. <i>Carbon</i> , 2002 , 40, 2597-2603	10.4	66
1411	Catalytic oxidation of Fe(II) by activated carbon in the presence of oxygen. <i>Carbon</i> , 2002 , 40, 2827-2834	10.4	48

1410	Preparation and characterization of porous carbon beads and their application in dispersing small metal crystallites. <i>Carbon</i> , 2002 , 40, 2871-2877	10.4	12
1409	Properties of Carbon-Supported Platinum Catalysts: Role of Carbon Surface Sites. 2002 , 209, 355-364		184
1408	Effects of the thermal decomposition of surface oxygen species on the chemical and catalytic properties of activated carbon supported Pt catalysts. 2003 , 80, 139-144		2
1407	Catalytic decomposition of methylene chloride on oxidative carbon supported metal oxide catalysts. 2003 , 80, 131-138		5
1406	Catalytic wet air oxidation of aqueous ammonia with activated carbon. 2003 , 46, 229-237		73
1405	Preparation of Rhodium Catalysts Supported on Carbon Nanotubes by a Surface Mediated Organometallic Reaction. 2003 , 2003, 610-617		123
1404	The effect of temperature on the mesopore development in commercial activated carbon by steam activation in the presence of yttrium and cerium oxides. 2003 , 229, 55-61		13
1403	Carbon materials as catalyst supports for SO ₂ oxidation: catalytic activity of CuO/C. <i>Carbon</i> , 2003 , 41, 139-149	10.4	82
1402	Catalytic properties of small ruthenium particles deposited on carbon. <i>Carbon</i> , 2003 , 41, 589-591	10.4	31
1401	Adsorption of dyes on activated carbons: influence of surface chemical groups. <i>Carbon</i> , 2003 , 41, 811-821	10.4	435
1400	Influence of acid treatments on the activity of carbon nanotube-supported catalysts. <i>Carbon</i> , 2003 , 41, 858-860	10.4	41
1399	Application of carbon nanotube supported nickel/aluminum mixed oxide in the synthesis of carbon nanotubes. <i>Carbon</i> , 2003 , 41, 2443-2446	10.4	14
1398	Catalytic oxidization of SO ₂ from incineration flue gas over bimetallic Cu/Ce catalysts supported on pre-oxidized activated carbon?. 2003 , 82, 2285-2290		35
1397	Copper oxide supported on carbon modified alumina as catalyst for reduction of NO with CO. 2003 , 265, 121-8		17
1396	The effect of surface chemical functional groups on the adsorption and desorption of a polar molecule, acetone, from a model carbonaceous surface, graphite. 2003 , 522, 17-26		35
1395	Growth of graphene layers on HOPG via exposure to methyl radicals. 2003 , 542, 81-93		29
1394	Highly dispersed activated carbon supported platinum catalysts prepared by OMCVD: a comparison with wet impregnated catalysts. 2003 , 243, 357-365		36
1393	Effect of the precursor and the preparation method on copper based activated carbon catalysts for methanol decomposition to hydrogen and carbon monoxide?. 2003 , 82, 755-763		36

1392	Textural and Chemical Surface Modifications Produced by Some Oxidation Treatments of a Glassy Carbon. 2003 , 19, 2838-2844		50
1391	Catalytic decomposition of hydrogen peroxide and 4-chlorophenol in the presence of modified activated carbons. 2003 , 51, 935-43		118
1390	Influence of surface modification on catalytic activity of activated carbon toward decomposition of hydrogen peroxide and 2-chlorophenol. 2003 , 38, 1233-46		15
1389	Physicochemical Aspects of Preparation of Carbon-Supported Noble Metal Catalysts. 2003 ,		2
1388	Tailoring activated carbon by surface chemical modification with O, S, and N containing molecules. 2003 , 6, 129-135		61
1387	Liquid phase hydrodechlorination of chlorophenols over Pd/C and Pd/Al ₂ O ₃ : a consideration of HCl/catalyst interactions and solution pH effects. 2004 , 52, 301-314		121
1386	Simultaneous removal of NO and SO ₂ with hexamminecobalt(II) solution coupled with the hexamminecobalt(II) regeneration catalyzed by activated carbon. 2004 , 54, 25-32		38
1385	Low-pressure hydroformylation of 1-hexene over active carbon-supported noble metal catalysts. 2004 , 276, 103-111		16
1384	Catalytic chemical vapor deposition of vertically aligned carbon nanotubes on iron nanoislands formed from Fe ⁺ -implanted SiO ₂ films. <i>Carbon</i> , 2004 , 42, 3030-3033	10.4	13
1383	Polymer Intercalation in Mesoporous Carbon. 2004 , 16, 736-739		30
1382	Anchoring of Copper(II) Acetylacetonate onto an Activated Carbon Functionalised with a Triamine. 2004 , 2004, 2027-2035		49
1381	Manganese(III) salen complexes anchored onto activated carbon as heterogeneous catalysts for the epoxidation of olefins. 2004 , 68, 83-89		78
1380	Catalytic potential of carbon-supported NiMo-sulfide for ultra-deep hydrodesulfurization of diesel fuel. 2004 , 265, 61-67		27
1379	Direct methanol fuel cell Pt/carbon catalysts by using SBA-15 nanoporous templates. 2004 , 6, 737-741		69
1378	Influence of the textural properties of an activated carbon catalyst on the oxidative dehydrogenation of ethylbenzene. 2004 , 241, 165-171		22
1377	The influence of oxidation on the texture and the number of oxygen-containing surface groups of carbon nanofibers. <i>Carbon</i> , 2004 , 42, 307-315	10.4	258
1376	Study of SO ₂ adsorption and thermal regeneration over activated carbon-supported copper oxide catalysts. <i>Carbon</i> , 2004 , 42, 2269-2278	10.4	101
1375	Jacobsen catalyst anchored onto an activated carbon as an enantioselective heterogeneous catalyst for the epoxidation of alkenes. <i>Carbon</i> , 2004 , 42, 3027-3030	10.4	42

1374	Metallurgical slag as a support of catalysts for complete oxidation in the presence of ozone. 2004 , 266, 81-87	24
1373	Molecular sieving platinum nanoparticle catalysts kinetically frozen in nanoporous carbon. 2004 , 2498-9	27
1372	Graphitic mesostructured carbon prepared from aromatic precursors. 2004 , 20, 5157-9	150
1371	Platinum/Graphite Nanofiber Catalysts of Various Structure: Characterization and Catalytic Properties 2004 , 108, 14348-14355	23
1370	Preparation of Carbon Nanofiber Supported Platinum and Ruthenium Catalysts: Comparison of Ion Adsorption and Homogeneous Deposition Precipitation. 2004 , 108, 11611-11619	99
1369	Fischer-Tropsch Synthesis over Activated-Carbon-Supported Cobalt Catalysts: Effect of Co Loading and Promoters on Catalyst Performance. 2004 , 43, 2391-2398	96
1368	Introduction to Carbon Nanotubes. 2004 , 39-98	6
1367	Adsorption of anionic and cationic dyes on activated carbons with different surface chemistries. 2004 , 38, 2043-52	569
1366	Highly dispersed platinum on carbon aerogels as supported catalysts for PEM fuel cell-electrodes: comparison of two different synthesis paths. 2004 , 350, 88-96	110
1365	Noble Metal Nanoparticles on Carbon Fibers. 2004 ,	
1364	Removal of heavy metal from industrial wastewater using chitosan coated oil palm shell charcoal. 2005 , 8,	220
1363	Voltammetric behavior and square-wave voltammetric determination of trepibutone at a pencil graphite electrode. 2005 , 576, 1-7	78
1362	Iron oxide modified mesoporous carbons: Physicochemical and catalytic study. 2005 , 81, 333-341	39
1361	Thermogravimetric and textural studies of modified carbonaceous materials. 2005 , 437, 82-86	19
1360	Effect of heat treatment of activated carbon supports on the loading and activity of Pt catalyst. <i>Carbon</i> , 2005 , 43, 1512-1516	10.4 62
1359	Electrochemical catalytic modification of activated carbon fabrics by ruthenium chloride for supercapacitors. <i>Carbon</i> , 2005 , 43, 1926-1935	10.4 51
1358	Chiral manganese(III) Schiff base complexes anchored onto activated carbon as enantioselective heterogeneous catalysts for alkene epoxidation. <i>Carbon</i> , 2005 , 43, 2096-2105	10.4 61
1357	Modified activated carbons for catalytic wet air oxidation of phenol. <i>Carbon</i> , 2005 , 43, 2134-2145	10.4 116

1356	Diesel fuel desulfurization with hydrogen peroxide promoted by formic acid and catalyzed by activated carbon. <i>Carbon</i> , 2005 , 43, 2285-2294	10.4	147
1355	Adsorption of vitamin B12 on ordered mesoporous carbons coated with PMMA. <i>Carbon</i> , 2005 , 43, 2344-2351	10.4	57
1354	Catalytic wet oxidation of phenol on active carbon: stability, phenol conversion and mineralization. <i>Catalysis Today</i> , 2005 , 102-103, 213-218	5.3	48
1353	Copper(II) acetylacetonate anchored onto an activated carbon as a heterogeneous catalyst for the aziridination of styrene. <i>Catalysis Today</i> , 2005 , 102-103, 154-159	5.3	43
1352	H/D exchange using D2O on carbon materials: A flexible tool for surface Brønsted acidity direct measurement. <i>Catalysis Today</i> , 2005 , 102-103, 266-272	5.3	3
1351	Palladium on carbon nanofibers grown on metallic filters as novel structured catalyst. <i>Catalysis Today</i> , 2005 , 105, 337-343	5.3	71
1350	Dimethyl adipate hydrogenation at presence of Pt based catalysts. <i>Catalysis Today</i> , 2005 , 107-108, 223-229	5.3	12
1349	Fischer-Tropsch synthesis over iron catalysts supported on carbon nanotubes. 2005 , 287, 60-67		174
1348	Catalytic wet air oxidation of substituted phenols using activated carbon as catalyst. 2005 , 58, 105-114		98
1347	Anchoring of Vanadyl Acetylacetonate onto Amine-Functionalised Activated Carbons: Catalytic Activity in the Epoxidation of an Allylic Alcohol. 2005 , 2005, 4582-4589		47
1346	Controlled growth of Ni particles on carbon nanotubes for fabrication of carbon nanotubes. 2005 , 225, 233-237		12
1345	Effect of rhenium on copper supported on activated carbon catalysts for methanol decomposition. 2005 , 225, 245-251		20
1344	Influence of acid treatments of carbon nanotube precursors on Ni/CNT in the synthesis of carbon nanotubes. 2005 , 230, 17-22		21
1343	Probing Pd-carbon interaction in Pd/C catalysts by EXAFS. 2005 , 238, 88-95		12
1342	Styrene epoxidation catalysed by manganese(III) salen complex supported on activated carbons. 2005 , 285, 110-118		32
1341	Morphology-controlled reactivity of carbonaceous materials towards oxidation. <i>Catalysis Today</i> , 2005 , 102-103, 259-265	5.3	112
1340	Mesoporous carbon supported Pt and Pt-Bi catalysts for hydrogenation of cinnamaldehyde. <i>Catalysis Today</i> , 2005 , 102-103, 183-188	5.3	36
1339	Influence of Presence of Inert Impregnant (NaCl) on Adsorptive Characteristics of Activated Carbon. 2005 , 11, 715-718		1

1338	Removal of Adsorbed Organic Impurities from Surface of Spent Catalysts Pd/Activated Carbons. 2005 , 11, 781-785	10
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1334	Formation of nitrogen structures by ammoxidation of organic materials: FT-IR/PAS studies. 2005 , 129, 225-229	5
1333	Enhancement of the performance of activated carbons as municipal odor removal media by addition of a sewage-sludge-derived phase. 2005 , 39, 6225-30	27
1332	SYNTHESIS OF NANOSTRUCTURED POROUS CARBON. 2005 , 04, 261-268	4
1331	Oxidative Desulfurization of Diesel Fuels with Hydrogen Peroxide in the Presence of Activated Carbon and Formic Acid. 2005 , 19, 447-452	91
1330	Pulsed Galvanostatic Deposition of Pt Particles on Microcrystalline and Nanocrystalline Diamond Thin-Film Electrodes. 2005 , 152, E184	43
1329	Effects of Support Surface Composition on the Activity and Selectivity of Pd/C Catalysts in Aqueous-Phase Hydrodechlorination Reactions. 2005 , 44, 6661-6667	62
1328	Generalized Kinetic Model for the Catalytic Wet Oxidation of Phenol Using Activated Carbon as the Catalyst. 2005 , 44, 3869-3878	21
1327	Catalytic Hydrocracking of Petroleum Residue over Carbon-Supported Nickel/Molybdenum Sulfides. 2005 , 19, 725-730	24
1326	Influence of nitrogen doping on oxygen reduction electrocatalysis at carbon nanofiber electrodes. 2005 , 109, 4707-16	756
1325	Effect of Nitric Acid Pretreatment on the Properties of Activated Carbon and Supported Palladium Catalysts. 2005 , 44, 5478-5482	78
1324	Deposition precipitation for the preparation of carbon nanofiber supported nickel catalysts. 2005 , 127, 13573-82	182
1323	Facile Template Synthesis of Ordered Mesoporous Carbon with Polypyrrole as Carbon Precursor. 2005 , 17, 355-358	186
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1321	Molecular modeling of porous carbons using the hybrid reverse Monte Carlo method. 2006 , 22, 9942-8	143

1320	Influence of synthesis process on preparation and properties of Ni/CNT catalyst. 2006 , 15, 15-21		10
1319	Combined and Hybrid Adsorbents. 2006 ,		11
1318	Durability Study of Pt/C and Pt/CNTs Catalysts under Simulated PEM Fuel Cell Conditions. 2006 , 153, A1093		351
1317	Preparation and Characterization of Aminated Carbon from a Single-Step Reaction. 2006 , 18, 4130-4136		17
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1312	Effects of acid treatments of activated carbon on its physiochemical structure as a support for copper oxide in DeSO(2) reaction catalysts. 2006 , 62, 756-66		49
1311	Speciation of functional groups formed on the surface of carbonaceous materials modified by NO. 2006 , 137, 287-290		6
1310	Benzene hydroxylation to Phenol with Iron impregnated Activated carbon Catalysts. 2006 , 159, 277-280		
1309	Nitrogen-doped porous carbon microspherules as supports for preparing monodisperse nickel nanoparticles. <i>Carbon</i> , 2006 , 44, 128-132	10.4	29
1308	On the origin of the high performance of MWNT-supported PtPd catalysts for the hydrogenation of aromatics. <i>Carbon</i> , 2006 , 44, 84-98	10.4	88
1307	Characterization and kinetic study of carbon-based briquettes for the reduction of NO. <i>Carbon</i> , 2006 , 44, 2399-2403	10.4	19
1306	Characterizing herring bone structures in carbon nanofibers using selected area electron diffraction and dark field transmission electron microscopy. <i>Carbon</i> , 2006 , 44, 2950-2956	10.4	11
1305	Nanosized iron and iron-cobalt spinel oxides as catalysts for methanol decomposition. 2006 , 300, 170-180		84
1304	Oxidative dehydrogenation of isobutane over activated carbon catalysts. 2006 , 311, 51-57		47
1303	PAN/SAN/SWNT ternary composite: Pore size control and electrochemical supercapacitor behavior. 2006 , 47, 5831-5837		31

1302	Iron-oxide-modified nanosized diamond: preparation, characterization, and catalytic properties in methanol decomposition. 2006 , 302, 492-500	10
1301	Adsorption properties of various carbon materials prepared by template synthesis route. 2006 , 89, 164-169	19
1300	Supercritical water synthesis and deposition of iron oxide (Fe_2O_3) nanoparticles in activated carbon. 2006 , 39, 135-141	42
1299	Silver catalysts supported over activated carbons for the selective oxidation of CO in excess hydrogen: effects of different treatments on the supports. 2006 , 111, 133-139	15
1298	Electronic properties and applications of cluster-assembled carbon films. 2006 , 17, 427-441	28
1297	Reaction network and kinetic modeling of wet oxidation of phenol catalyzed by activated carbon. 2006 , 61, 2457-2467	53
1296	Adsorption of simple aromatic compounds on activated carbons. 2006 , 293, 128-36	215
1295	Adsorption of a reactive dye on chemically modified activated carbons--influence of pH. 2006 , 296, 480-9	237
1294	Highly dispersed platinum catalysts prepared by impregnation of texture-tailored carbon xerogels. 2006 , 240, 160-171	82
1293	Wet oxidation of phenol, cresols and nitrophenols catalyzed by activated carbon in acid and basic media. 2006 , 65, 269-281	71
1292	Catalytic wet peroxide oxidation of phenol with a Fe/active carbon catalyst. 2006 , 65, 261-268	269
1291	Vanadium loaded carbon-based catalysts for the reduction of nitric oxide. 2006 , 68, 130-138	30
1290	Carbon-Supported Silver Catalysts for CO Selective Oxidation in Excess Hydrogen. 2006 , 15, 181-190	18
1289	Liquefaction of Municipal Waste Plastics over Acidic and Nonacidic Catalysts. 2006 , 209-224	1
1288	Metal catalysts supported on texture-tailored carbon xerogels. 2006 , 111-118	2
1287	Oxygen Reduction on Carbon Cryogel-Supported Pt Nanoparticles in Acid Media. 2006 , 518, 289-294	
1286	Chapter 4 Surface chemistry of activated carbons and its characterization. 2006 , 159-229	101
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1283	Chapter 16 Conclusions and future perspectives. 2007 , 169, 347-377		
1282	Template Approaches to Preparing Porous Carbon. 2007 , 63-128		1
1281	Detoxification of kraft pulp ECF bleaching effluents by catalytic hydrotreatment. 2007 , 41, 915-23		15
1280	Characterization of Active Sites on Carbon Catalysts. 2007 , 46, 4110-4115		276
1279	Kinetic Restrictions in the Characterization of Narrow Microporosity in Carbon Materials. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3803-3805	3.8	49
1278	An Active Carbon Catalyst Prevents Coke Formation from Asphaltenes during the Hydrocracking of Vacuum Residue. 2007 , 25, 231-240		16
1277	Activated Carbon Supported K ₂ CO ₃ Catalysts for Transesterification of Dimethyl Carbonate with Propyl Alcohol. 2007 , 21, 633-635		34
1276	Loading of Cobalt on Carbon Nanofibers. 2007 , 163, 45-73		18
1275	Activated Carbons from Lignin: Their Application in Liquid Phase Adsorption. 2007 , 42, 3363-3389		22
1274	Decolorization of Textile Dyes by Wet Oxidation Using Activated Carbon as Catalyst. 2007 , 46, 2423-2427		34
1273	Novel Nanostructures of Porous Carbon Synthesized with Zeolite LTA-Template and Methanol. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 2459-2464	3.8	24
1272	Omega ω fatty acid ethyl ester from a simple catalytic non-oxidative dehydrogenation of a biobased oleochemical. 2007 , 8, 319-323		3
1271	Effect of activated carbon on the dispersion of Ru and K over supported Ru-based catalyst for ammonia synthesis. 2007 , 8, 351-354		37
1270	Nitrogen-doped magnetic carbon nanoparticles as catalyst supports for efficient recovery and recycling. 2007 , 1468-70		189
1269	Carbon Nanofibers Grown on Metallic Filters as Novel Structured Catalytic Materials. 2007 , 172, 225-228		1
1268	Distribution of Platinum Particles in the Bimodal Micropore System of Activated Carbon. 2007 , 90, 1889-1896		2
1267	Effect of the preparation conditions of Ni-supported shock-wave synthesized nanodiamond catalysts. 2007 , 253, 7115-7123		9

1266	Physisorption-induced change in the magnetism of microporous carbon. <i>Carbon</i> , 2007 , 45, 214-217	10.4	20
1265	Thermal treatments of activated carbon catalysts under N ₂ O. <i>Carbon</i> , 2007 , 45, 212-214	10.4	3
1264	Surface-modified carbons as platinum catalyst support for PEM fuel cells. <i>Carbon</i> , 2007 , 45, 1506-1517	10.4	163
1263	Degree of functionalization of carbon nanofibers with benzenesulfonic groups in an acid medium. <i>Carbon</i> , 2007 , 45, 1669-1678	10.4	42
1262	Kinetic modeling of pentachlorophenol adsorption from aqueous solution on activated carbon fibers. <i>Carbon</i> , 2007 , 45, 2280-2289	10.4	43
1261	Organo-functionalized activated carbons as supports for the covalent attachment of a chiral manganese(III) salen complex. <i>Carbon</i> , 2007 , 45, 1951-1964	10.4	53
1260	Effect of carbon deposits on the reactor wall during the growth of multi-walled carbon nanotube arrays. <i>Carbon</i> , 2007 , 45, 2379-2387	10.4	23
1259	Is carbon-supported Pt-WO _x composite a CO-tolerant material?. 2007 , 52, 1958-1967		68
1258	Low-cost carbon-based briquettes for the reduction of NO emissions from medium-small stationary sources. <i>Catalysis Today</i> , 2007 , 119, 175-180	5.3	14
1257	Oxidation of primary alcohols with air on carbon-supported platinum catalysts for the synthesis of aldehydes or acids. <i>Catalysis Today</i> , 2007 , 121, 13-21	5.3	63
1256	Expanded graphite applied in the catalytic process as a catalyst support. <i>Catalysis Today</i> , 2007 , 125, 278-281	5.3	50
1255	Biodegradability enhancement of phenolic compounds by Hydrogen Peroxide Promoted Catalytic Wet Air Oxidation. <i>Catalysis Today</i> , 2007 , 124, 191-197	5.3	25
1254	Hydrogenation of phenol in aqueous phase with palladium on activated carbon catalysts. 2007 , 131, 65-71		84
1253	Catalytic wet air oxidation of substituted phenols: Temperature and pressure effect on the pollutant removal, the catalyst preservation and the biodegradability enhancement. 2007 , 132, 105-115		49
1252	Promotion of Re/Al ₂ O ₃ and Re/C catalysts by Ni sulfide in the HDS and HDN of gas oil: Effects of Ni loading and support. 2007 , 319, 218-229		13
1251	Catalytic wet air oxidation of phenol with modified activated carbons and Fe/activated carbon catalysts. 2007 , 76, 135-145		65
1250	Pulsed-laser deposition of nanostructured Pd/C thin films: A new entry into metal-supported catalysts for hydrogen producing reactions. 2007 , 254, 1307-1311		12
1249	Liquid phase removal of propanethiol by activated carbon: Effect of porosity and functionality. 2007 , 300, 180-190		23

1248	Carbon/ceramic composites for enzyme immobilization. 2007 , 99, 216-223	16
1247	Structured silica reactor with aligned carbon nanotubes as catalyst support for liquid-phase reaction. 2007 , 267, 92-97	37
1246	Low temperature hydroxylation of benzene to phenol by hydrogen peroxide over Fe/activated carbon catalyst. 2007 , 272, 169-173	63
1245	Evaluation of electrochemical performance for surface-modified carbons as catalyst support in polymer electrolyte membrane (PEM) fuel cells. 2007 , 172, 530-541	34
1244	Preparation of steam-activated carbons as catalyst supports. 2007 , 78, 301-315	34
1243	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. 2007 , 311, 152-8	37
1242	New fields in the technology for manufacturing carbon-carbon materials. Application of carbon-carbon materials. 2007 , 77, 2301-2310	13
1241	Production of Activated Carbon from Biochar Using Chemical and Physical Activation: Mechanism and Modeling. 2007 , 463-476	13
1240	The influence of acidity of carbon nanofibre-supported palladium catalysts in the hydrogenolysis of hydroxymatairesinol. 2007 , 113, 141-146	22
1239	Influence of oxidation on heat-treated activated carbon support properties and metallic dispersion of Ru/C catalyst. 2007 , 115, 13-18	19
1238	Deep desulfurization of diesel fuels by catalytic oxidation. 2007 , 1, 162-166	7
1237	Use of cellulose-based carbon aerogels as catalyst support for PEM fuel cell electrodes: Electrochemical characterization. 2007 , 166, 104-111	109
1236	Recent advances in activity and durability enhancement of Pt/C catalytic cathode in PEMFC. 2007 , 172, 145-154	638
1235	Recent advances in activity and durability enhancement of Pt/C catalytic cathode in PEMFC. 2007 , 172, 133-144	403
1234	Carbon support oxidation in PEM fuel cell cathodes. 2008 , 176, 444-451	524
1233	Preparation of Ni-doped carbon nanospheres with different surface chemistry and controlled pore structure. 2008 , 254, 3993-4000	10
1232	Carbonaceous materials as catalysts for decomposition of methane. 2008 , 140, 432-438	73
1231	Activity of NiCuAl catalyst in methane decomposition studied using a thermobalance and the structural changes in the Ni and the deposited carbon. 2008 , 33, 2515-2524	48

1230	Preparation of Carbon Nanotubes (CNTs)-Cordierite Monoliths by Catalytic Chemical Vapor Deposition as Catalyst Supports for Ammonia Synthesis. 2008 , 122, 287-294	20
1229	Effect of Nitric Acid Treatment on Carbon Nanotubes (CNTs)-Cordierite Monoliths Supported Ruthenium Catalysts for Ammonia Synthesis. 2008 , 124, 168-173	16
1228	Activated Carbon Modified with Different Chemical Agents as a Catalyst in the Dehydration and Dehydrogenation of Isopropanol. 2008 , 125, 145-153	16
1227	Activated Carbon Supported Metal Catalysts for Nitrate and Nitrite Reduction in Water. 2008 , 126, 253-260	95
1226	Dispersion of Pt Catalysts Supported on Activated Carbon and Their Catalytic Performance in Methylcyclohexane Dehydrogenation. 2008 , 29, 259-263	16
1225	Nitric acid oxidation on carbon dispersion and suspension stability. 2008 , 40, 1190-1194	30
1224	The Development of Proton Conducting Polymer Membranes for Fuel Cells Using Sulfonated Carbon Nanofibres. 2008 , 29, 234-238	13
1223	Effect of surface acid groups associated with amorphous and structured carbon on the catalytic hydrodechlorination of chlorobenzenes. 2008 , 83, 662-672	42
1222	Simple and mild procedures for synthesis of benzimidazole derivatives using heterogeneous catalyst systems. 2008 , 45, 1293-1298	35
1221	Carbon-supported ruthenium nanoparticles stabilized by methylated cyclodextrins: a new family of heterogeneous catalysts for the gas-phase hydrogenation of arenes. 2008 , 14, 8090-3	32
1220	Nanoporous Carbon Films from Hairy Polyacrylonitrile-Grafted Colloidal Silica Nanoparticles. 2008 , 20, 1516-1522	73
1219	Ammonia, cyclohexane, nitrogen and water adsorption capacities of an activated carbon impregnated with increasing amounts of ZnCl ₂ , and designed to chemisorb gaseous NH ₃ from an air stream. 2008 , 320, 423-35	48
1218	Effects of raw material texture and activation manner on surface area of porous carbons derived from biomass resources. 2008 , 327, 108-14	29
1217	Sorption of Cu ²⁺ and Cd ²⁺ onto acid- and base-pretreated granular activated carbon and activated carbon fiber samples. 2008 , 14, 131-135	91
1216	Hydrodechlorination of alachlor in water using Pd, Ni and Cu catalysts supported on activated carbon. 2008 , 78, 259-266	43
1215	Nitrogen-doped carbon nanostructures and their composites as catalytic materials for proton exchange membrane fuel cell. 2008 , 79, 89-99	649
1214	Adsorption of aromatic compounds from the biodegradation of azo dyes on activated carbon. 2008 , 254, 3497-3503	35
1213	Possible errors in microporosity in chemically activated carbon deduced from immersion calorimetry. <i>Carbon</i> , 2008 , 46, 329-334	10.4 10

1212	Preparing and characterizing the active carbon produced by steam and carbon dioxide as a heavy oil hydrocracking catalyst support. <i>Catalysis Today</i> , 2008 , 130, 382-388	53	19
1211	Novel carbon based catalysts for the reduction of NO: Influence of support precursors and active phase loading. <i>Catalysis Today</i> , 2008 , 137, 215-221	53	15
1210	Vanadium-loaded carbon-based monoliths for the on-board NO reduction: Experimental study of operating conditions. 2008 , 144, 343-351		24
1209	Selective hydrogenation of cinnamaldehyde to cinnamyl alcohol over mesoporous carbon supported Fe and Zn promoted Pt catalyst. 2008 , 339, 159-168		92
1208	Characteristics of iron oxide/activated carbon nanocomposites prepared using supercritical water. 2008 , 348, 251-256		16
1207	Study of the deactivation mechanism of carbon blacks used in methane decomposition. 2008 , 33, 4104-4111		59
1206	Activated carbons as catalysts for hydrogen production via methane decomposition. 2008 , 33, 6172-6177		58
1205	Direct fabrication of bimodal mesoporous carbon by nanocasting. 2008 , 116, 91-94		32
1204	Identification of functional groups on the surface of modified organic materials using the FT-IR/PAS method. 2008 , 154, 325-328		7
1203	Metal-organic framework as a template for porous carbon synthesis. 2008 , 130, 5390-1		1403
1202	Effect of synthesis conditions of pyrocarbon coatings on their corrosion resistance in H ₂ SO ₄ -HNO ₃ oxidizing mixture. 2008 , 81, 1790-1795		
1201	Production of pyrocarbon coatings from methane-containing mixtures in a fluidized bed. 2008 , 42, 236-240		
1200	The use of hydrogen peroxide for raising the efficiency of filter operation with biologically activated carbon. 2008 , 30, 72-79		2
1199	Catalytic systems based on carbon supports for the low-temperature oxidation of carbon monoxide. 2008 , 49, 545-551		5
1198	Carbon xerogels as catalyst supports for PEM fuel cell cathode. 2008 , 49, 2461-2470		77
1197	Particle growth and redispersion of monodisperse rhodium nanoparticles supported by porous carbon microspherules during catalyzing vapor phase methanol carbonylation. 2008 , 107, 310-316		11
1196	Surface Chemistry of Carbon Materials. 2008 , 45-92		17
1195	Carbon as Catalyst Support. 2008 , 131-155		10

1194	Carbon-Anchored Metal Complex Catalysts. 2008 , 267-307		4
1193	Carbon Materials as Supports for Fuel Cell Electrocatalysts. 2008 , 429-480		7
1192	Carbon Monoliths in Catalysis. 2008 , 401-427		
1191	Carbon Materials in Photocatalysis. 2008 , 481-506		3
1190	Effect of open metal sites on adsorption of polar and nonpolar molecules in metal-organic framework Cu-BTC. 2008 , 24, 8620-6		190
1189	Au/activated-carbon catalysts for selective oxidation of alcohols with molecular oxygen under atmospheric pressure: Role of basicity. 2008 , 9, 2395-2397		68
1188	Adsorption of water molecules on partially oxidized graphite surfaces: a molecular dynamics study of the competition between OH and COOH sites. 2008 , 10, 6998-7009		32
1187	Recent Advances in Adsorption Processes for Environmental Protection and Security. 2008 ,		6
1186	Monodispersed Pd Nanoparticles for Acetylene Selective Hydrogenation: Particle Size and Support Effects. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13635-13641	3.8	96
1185	One-Step Flame-Synthesis of Carbon-Embedded and -Supported Platinum Clusters. 2008 , 20, 2117-2123		41
1184	Preparation of activated ordered mesoporous carbons with a channel structure. 2008 , 24, 2967-9		38
1183	New nanostructured carbons based on porous cellulose: Elaboration, pyrolysis and use as platinum nanoparticles substrate for oxygen reduction electrocatalysis. 2008 , 185, 717-726		64
1182	Carbons. 2008 , 357		2
1181	Role of the Activated Carbon Surface on Catalytic Wet Peroxide Oxidation. 2008 , 47, 8166-8174		54
1180	Comparison of Physicochemical Properties of Nitrogen-enriched Activated Carbons Prepared by Physical and Chemical Activation of Brown Coal. 2008 , 22, 4133-4138		38
1179	Catalytic Carbon Dioxide Reforming of Methane to Synthesis Gas over Activated Carbon Catalyst. 2008 , 47, 4349-4357		42
1178	Low Temperature Catalytic Adsorption of SO ₂ on Activated Carbon. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15335-15340	3.8	35
1177	Synthesis of silica/carbon-encapsulated core-shell spheres: templates for other unique core-shell structures and applications in in situ loading of noble-metal nanoparticles. 2008 , 24, 5024-8		60

1176	Phosphoric acid fuel cells. 2008 , 209-247	1
1175	Preparation of Immobilized Nanostructured Titania by Using Mesoporous Carbons as Nanoreactors: Investigation of Process Parameters. 2008 , 41, 497-506	1
1174	Enhanced Adsorption of Mercury(II) Ions from Aqueous Solution by Carbon-Based Adsorbents Containing Cl-, S- and N-functional Groups. 2008 , 26, 815-826	4
1173	Surface Chemical Functional Groups Modification of Porous Carbon. 2008 , 1, 27-40	338
1172	Copper on activated carbon for catalytic wet air oxidation. 2009 , 12, 45-50	13
1171	Directed self-assembly of monodispersed platinum nanoclusters on graphene Moiré template. 2009 , 95, 093106	106
1170	Carbothermal reduction vapor phase transport growth of ZnO nanostructures: Effects of various carbon sources. 2009 , 105, 094306	29
1169	Effects of Pre-Treatment of Supports on Pt/AC Activity. 2009 ,	
1168	The effect of temperature and impregnation ratio on the active carbon porosity. 2009 , 10, 115-120	14
1167	Particle-Lung Interactions. 2009 ,	5
1166	Nanostructural characterization and catalytic analysis of hybridized platinum/phthalocyanine nanocomposites. 2009 , 58, 289-94	5
1165	Pyrolysis of glycerol over activated carbons for syngas production. 2009 , 84, 145-150	113
1164	Effect of Hydrogen Treatment on the Catalytic Activity of Iron Oxide Based Materials Dispersed Over Activated Carbon: Investigations Toward Hydrogen Peroxide Decomposition. 2009 , 133, 41-48	32
1163	Acidic Activated Carbons: An Efficient Catalyst for the Epoxide Ring-Opening Reaction with Ethanol. 2009 , 130, 37-41	9
1162	Abatement of NO Using Rhodium Catalysts Supported on Carbon Nanotubes: Carbon as Support Material and Reducing Agent. 2009 , 52, 1752-1756	17
1161	Catalytic activity of Fe/AC, obtained by impregnation of activated carbon in aqueous and non-aqueous media, to neutralize NO. 2009 , 16, 1-7	9
1160	Removal of dibenzothiophene in diesel oil by oxidation over a promoted activated carbon catalyst. 2009 , 50, 543-549	15
1159	In-situ preparation of supported precious metal and metal oxide nanoparticles by nanoreactor flash pyrolysis. 2009 , 122, 79-86	10

1158	Thermocatalytic decomposition of methane using palm shell based activated carbon: Kinetic and deactivation studies. 2009 , 90, 1167-1174		43
1157	Fischer-Tropsch synthesis over cobalt dispersed on carbon nanotubes-based supports and activated carbon. 2009 , 90, 1214-1219		54
1156	Hydroformylation of mixed octenes catalyzed by supported rhodium-based catalyst. 2009 , 90, 1241-1246		6
1155	Process optimization for methyl ester production from waste cooking oil using activated carbon supported potassium fluoride. 2009 , 90, 1532-1537		46
1154	Improving hydrogen storage in Ni-doped carbon nanospheres. 2009 , 34, 3070-3076		65
1153	Production of hydrogen from methane decomposition using nanosized carbon black as catalyst in a fluidized-bed reactor. 2009 , 34, 9730-9736		25
1152	Activated carbon/iron oxide composites for the removal of atrazine from aqueous medium. 2009 , 164, 609-14		140
1151	Enhanced mercury ion adsorption by amine-modified activated carbon. 2009 , 166, 866-72		86
1150	Novel application of thermally expanded graphite as the support of catalysts for direct synthesis of DMC from CH ₃ OH and CO ₂ . 2009 , 334, 50-7		47
1149	High catalytic performance and stability of Pt/C using acetic acid functionalized carbon. 2009 , 194, 683-689		19
1148	Optimizing calcination temperature of Fe/activated carbon catalysts for CWPO. <i>Catalysis Today</i> , 2009 , 143, 341-346	5-3	63
1147	Interactions of SO ₂ and H ₂ S with amorphous carbon films. 2009 , 362, 8-13		11
1146	Gas phase hydrogenation of nitrobenzene over acid treated structured and amorphous carbon supported Ni catalysts. 2009 , 363, 188-198		70
1145	Iron oxide dispersed over activated carbon: Support influence on the oxidation of the model molecule methylene blue. 2009 , 367, 53-58		104
1144	Pd-activated carbon catalysts for hydrogenation and Suzuki reactions. 2009 , 368, 113-120		41
1143	Removal of naphthalene from petrochemical wastewater streams using carbon nanoporous adsorbent. 2009 , 255, 5041-5047		59
1142	Analysis of the structure and chemical properties of some commercial carbon nanostructures. <i>Carbon</i> , 2009 , 47, 1779-1798	10.4	272
1141	Controlling the yield and structure of carbon nanofibers grown on a nickel/activated carbon catalyst. <i>Carbon</i> , 2009 , 47, 3023-3033	10.4	28

1140	Characterisation and reactivity of Re/carbon catalysts in hydrodesulphurisation of dibenzothiophene: Effect of textural and chemical properties of support. 2009 , 358, 26-31		18
1139	Synthesis of higher alcohols from syngas over alkali promoted MoS ₂ catalysts supported on multi-walled carbon nanotubes. 2009 , 365, 243-251		75
1138	Bimetallic catalysts supported on activated carbon for the nitrate reduction in water: Optimization of catalysts composition. 2009 , 91, 441-448		86
1137	Graphite-supported gold nanoparticles as efficient catalyst for aerobic oxidation of benzylic amines to imines and N-substituted 1,2,3,4-tetrahydroisoquinolines to amides: synthetic applications and mechanistic study. 2009 , 4, 1551-61		156
1136	Adsorption-catalytic removal of fulvic acids on activated carbons in the presence of hydrogen peroxide. 2009 , 31, 92-97		6
1135	Hydrothermal deposition of vanadium phosphates onto carbon materials. 2009 , 82, 343-351		1
1134	Catalytic systems based on carbon fiber materials for the low-temperature oxidation of carbon monoxide. 2009 , 1, 348-354		1
1133	Model for Self-Assembly of Carbon Nanotubes from Acetylene Based on Real-Time Studies of Vertically Aligned Growth Kinetics. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15484-15491	3.8	52
1132	Treatment of Trichloroethylene by Adsorption and Persulfate Oxidation in Batch Studies. 2009 , 48, 8373-8380		86
1131	Enhanced Distribution and Anchorage of Carbon Nanofibers Grown on Structured Carbon Microfibers. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1301-1307	3.8	18
1130	Enhanced catalytic activity of gold nanoparticles doped in a mesoporous organic gel based on polymeric phloroglucinol carboxylic acid-formaldehyde. 2009 , 1, 1860-4		32
1129	Cerium, manganese and cobalt oxides as catalysts for the ozonation of selected organic compounds. 2009 , 74, 818-24		83
1128	Hierarchical Porous Core-Shell Carbon Nanoparticles. 2009 , 21, 1524-1530		40
1127	Tunable porous carbonaceous materials from renewable resources. 2009 , 38, 3401-18		337
1126	CNFs-supported Pt catalyst for hydrogen evolution from decalin. 2009 , 10, 815-818		34
1125	Potential to use mesoporous carbon as catalyst support for hydrodesulfurization. 2009 , 24, 333-343		17
1124	Oxidation Tools in the Synthesis of Catalysts and Related Functional Materials. 2010 , 121-142		0
1123	New strategy for synthesis and functionalization of carbon nanoparticles. 2010 , 26, 1991-5		117

1122	Autoreduction and Catalytic Performance of a Cobalt Fischer-Tropsch Synthesis Catalyst Supported on Nitrogen-Doped Carbon Spheres. 2010 , 2, 514-518	55
1121	EPR and magnetism of the nanostructured natural carbonaceous material shungite. 2010 , 37, 237-247	27
1120	Analysis of oxygen sources and reaction pathways of carbon support corrosion at the cathode in PEMFC using oxygen-18 DEMS. 2010 , 55, 6926-6931	21
1119	Palladium supported on bacterial biomass as a novel heterogeneous catalyst: A comparison of Pd/Al ₂ O ₃ and bio-Pd in the hydrogenation of 2-pentyne. 2010 , 65, 282-290	41
1118	Catalytic pyrolysis of CHF ₃ over activated carbon and activated carbon supported potassium catalyst. 2010 , 131, 698-703	14
1117	Electrocatalytic activity of Pt nanoparticles electrodeposited on amorphous carbon-coated silicon nanocones. 2010 , 195, 729-735	19
1116	Preparation and structure analysis of expanded graphite-based composites made by phosphoric acid activation. 2010 , 17, 425-428	6
1115	Selective Liquid-phase Hydrodechlorination of Chlorotrifluoroethylene over Palladium-Supported Catalysts: Activity and Deactivation. 2010 , 138, 68-75	13
1114	Nitrate Reduction Catalyzed by Pd/Cu and Pt/Cu Supported on Different Carbon Materials. 2010 , 139, 97-104	41
1113	The morphology of mass selected ruthenium nanoparticles from a magnetron-sputter gas-aggregation source. 2010 , 12, 1249-1262	47
1112	Synthesis and characterization of activated carbon-supported copper or nickel and their catalytic behavior towards benzaldehyde hydrogenation. 2010 , 101, 195-208	25
1111	The production of carbon nanotubes from carbon dioxide: challenges and opportunities. 2010 , 19, 453-460	27
1110	Use of activated carbon as a reactive support to produce highly active-regenerable Fe-based reduction system for environmental remediation. 2010 , 81, 7-12	53
1109	Impact of nitrogen doping of carbon nanospheres on the nickel-catalyzed hydrogenation of butyronitrile. 2010 , 269, 242-251	53
1108	High-surface-area carbon molecular sieves for selective CO ₂ adsorption. 2010 , 3, 974-81	282
1107	Covalent Bonds on Activated Carbon. 2010 , 2010, 5147-5154	11
1106	Kinetic study of the decomposition of 2-butanol on carbon-based acid catalyst. 2010 , 56, 1557-1568	49
1105	Nanoparticles and 3D Supported Nanomaterials. 2010 , 279-340	1

1104	Activated carbon as a mass-transfer additive in aqueous organometallic catalysis. 2010 , 16, 6138-41	14
1103	Effect of pore morphology of mesoporous carbons on the electrocatalytic activity of Pt nanoparticles for fuel cell reactions. 2010 , 98, 132-137	111
1102	Wet air oxidation of trinitrophenol with activated carbon catalysts: Effect of textural properties on the mechanism of degradation. 2010 , 100, 310-317	27
1101	VPO catalysts synthesized on substrates with modified activated carbons. 2010 , 256, 5520-5527	4
1100	Low-cost carbon-based briquettes for the reduction of NO emissions: Optimal preparation procedure and influence in operating conditions. 2010 , 88, 80-90	9
1099	Characterization and catalytic performance of porous carbon prepared using in situ-formed aluminophosphate framework as template. 2010 , 342, 467-73	20
1098	The effect of pretreatment of Vulcan XC-72R carbon on morphology and electrochemical oxygen reduction kinetics of supported Pd nano-particle in acidic electrolyte. 2010 , 647, 211-221	102
1097	Effective nitrosamines trap derived from the in situ carbonized mesoporous silica MCM-41. 2010 , 176, 602-8	16
1096	Active carbons prepared by chemical activation of plum stones and their application in removal of NO ₂ . 2010 , 181, 1088-94	81
1095	Influence of porosity and surface groups on the catalytic activity of carbon materials for the microwave-assisted CO ₂ reforming of CH ₄ . 2010 , 89, 4002-4007	35
1094	Synthesis of carbon-supported nickel catalysts for the dry reforming of CH ₄ . 2010 , 91, 765-769	48
1093	Influence of nitric acid concentration on the characteristics of active carbons obtained from a mineral coal. 2010 , 91, 1338-1344	24
1092	Hydrogen production by methane decomposition: A review. 2010 , 35, 1160-1190	571
1091	Scale-up activation of carbon fibres for hydrogen storage. 2010 , 35, 2393-2402	37
1090	Efficient porous carbon-supported MgO catalysts for the transesterification of dimethyl carbonate with diethyl carbonate. 2010 , 327, 32-37	24
1089	Effect of chemically modified Vulcan XC-72R on the performance of air-breathing cathode in a single-chamber microbial fuel cell. 2010 , 101, 5250-5	80
1088	A comparison of physical activation of carbon xerogels with carbon dioxide with chemical activation using hydroxides. <i>Carbon</i> , 2010 , 48, 3157-3168	10.4 60
1087	Interaction of water molecules with defective carbonaceous clusters: An ab initio study. 2010 , 604, 1666-1673	29

1086	Carbon nanospheres as novel support in the nickel catalyzed gas phase hydrogenation of butyronitrile. 2010 , 373, 192-200		10
1085	NOx removal by rhodium catalysts supported on carbon nanotubes: Evidence for the stoichiometric reduction of NO ₂ and NO by the carbon support. 2010 , 96, 110-116		23
1084	Low temperature selective catalytic reduction of NO by activated carbon fiber loading lanthanum oxide and ceria. 2010 , 96, 157-161		88
1083	Influence of activated carbon in TiO ₂ and ZnO mediated photo-assisted degradation of 2-propanol in gas-solid regime. 2010 , 99, 170-180		58
1082	The role of surface chemistry in catalysis with carbons. <i>Catalysis Today</i> , 2010 , 150, 2-7	5-3	468
1081	Influence of the microstructure of carbon nanotubes on the oxidative dehydrogenation of ethylbenzene to styrene. <i>Catalysis Today</i> , 2010 , 150, 49-54	5-3	42
1080	Influence of the porous structure of activated carbons in the activity of ATRP catalyst for methyl methacrylate polymerization. <i>Catalysis Today</i> , 2010 , 150, 42-48	5-3	6
1079	Sorption properties of active carbons obtained from walnut shells by chemical and physical activation. <i>Catalysis Today</i> , 2010 , 150, 107-114	5-3	83
1078	Activated carbons treated with sulphuric acid: Catalysts for catalytic wet peroxide oxidation. <i>Catalysis Today</i> , 2010 , 151, 153-158	5-3	108
1077	Effect of activation method on the physicochemical properties and NO ₂ removal abilities of sorbents obtained from plum stones (<i>Prunus domestica</i>). 2010 , 162, 723-729		25
1076	Pd/Cu/AC and Pt/Cu/AC catalysts for nitrate reduction with hydrogen: Influence of calcination and reduction temperatures. 2010 , 165, 78-88		77
1075	Metal-organic framework (MOF) as a template for syntheses of nanoporous carbons as electrode materials for supercapacitor. <i>Carbon</i> , 2010 , 48, 456-463	10.4	537
1074	High saturation capacity of activated carbons prepared from mesophase pitch in the removal of volatile organic compounds. <i>Carbon</i> , 2010 , 48, 548-556	10.4	43
1073	Catalytic chemical vapor deposition of methane on graphite to produce graphene structures. <i>Carbon</i> , 2010 , 48, 1619-1625	10.4	21
1072	Nanofibrous carbon with herringbone structure as an effective catalyst of the H ₂ S selective oxidation. <i>Carbon</i> , 2010 , 48, 2004-2012	10.4	32
1071	A new route to prepare carbon paper-supported Pd catalyst for oxygen reduction reaction. 2010 , 12, 745-748		33
1070	The Improved Photocatalytic Properties of Methylene Blue for V ₂ O ₃ /CNT/TiO ₂ Composite under Visible Light. 2010 , 2010, 1-5		17
1069	. 2010 ,		106

1068	Performance of Sludge Based Activated Carbons in Catalytic Wet Air Oxidation of Phenol. 2010 , 8,		2
1067	Preparation of a carbon-based solid acid catalyst by sulfonating activated carbon in a chemical reduction process. 2010 , 15, 7188-96		197
1066	CaO Supported on Porous Carbon as Highly Efficient Heterogeneous Catalysts for Transesterification of Triacetin with Methanol. 2010 , 24, 3810-3816		46
1065	Effect of Properties of Various Activated-Carbon Supports and Supported FeMoCuK Catalysts on Metal Precursor Distribution, Metal Reduction, and Fischer-Tropsch Synthesis. 2010 , 24, 4099-4110		27
1064	Probing the Room Temperature Spatial Distribution of Hydrogen in Nanoporous Carbon by Use of Small-Angle Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19895-19900	3.8	13
1063	Alkali-Promoted Trimetallic CoRhMo Sulfide Catalysts for Higher Alcohols Synthesis from Synthesis Gas: Comparison of MWCNT and Activated Carbon Supports. 2010 , 49, 6956-6963		36
1062	Importance of Oxygen-Free Edge and Defect Sites for the Immobilization of Colloidal Pt Oxide Particles with Implications for the Preparation of CNF-Supported Catalysts. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1752-1762	3.8	52
1061	Introduction to Carbon Nanotubes. 2010 , 47-118		13
1060	Hierarchically porous carbon monoliths with high surface area from bridged polysilsesquioxanes without thermal activation process. 2010 , 46, 8037-9		25
1059	Carbon-supported PtRu nanoparticles prepared in glyoxylate-reduction system promoting precursor-support interaction. 2010 , 20, 5345		57
1058	A new procedure to produce carbon-supported metal catalysts. 2010 , 175, 93-100		1
1057	Efficient and recyclable catalysts for selective oxidation of polyols in H ₂ O with molecular oxygen. 2011 , 13, 3414		18
1056	Insulating diamond particles as substrate for Pd electrocatalysts. 2011 , 47, 7656-8		20
1055	The impact of carbon materials on the hydrogen storage properties of light metal hydrides. 2011 , 21, 2417-2427		141
1054	Oxidative Treatment and Characterization of Plasma Carbon Blacks. 2011 , 19, 210-224		1
1053	N-nitrosamines formation from secondary amines by nitrogen fixation on the surface of activated carbon. 2011 , 45, 8368-76		38
1052	Synthesis, Characterization, and Thiophene Hydrodesulfurization Activity of Novel Macroporous and Mesomacroporous Carbon. 2011 , 50, 2530-2535		22
1051	Adsorption of Single Platinum Atom on the Graphene Oxide: The Role of the Carbon Lattice. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12023-12032	3.8	8

1050	Performance of silica-nanotube-supported ruthenium catalysts for Fischer-Tropsch synthesis. 2011 , 39, 615-620		6
1049	Carbocatalysis: Heterogeneous carbons finding utility in synthetic chemistry. 2011 , 2, 1233		326
1048	Catalytic Wet Air Oxidation of p-Coumaric Acid over Carbon Nanotubes and Activated Carbon. 2011 , 50, 9043-9053		26
1047	Morphology of nanoclusters and nanopillars formed in nonequilibrium surface growth for catalysis applications. 2011 , 27, 8554-61		20
1046	Carbothermal Synthesis of Aerosol-Based Adsorptive-Reactive Iron-Carbon Particles for the Remediation of Chlorinated Hydrocarbons. 2011 , 50, 13021-13029		26
1045	A novel alumina-activated carbon composite supported NiMo catalyst for hydrodesulfurization of dibenzothiophene. 2011 , 12, 521-524		33
1044	Montmorillonite/carbon nanocomposites prepared from sucrose for catalytic applications. 2011 , 53, 288-296		14
1043	Comparative Characterization of Carbon Adsorbents and Polymer Precursors by Small-Angle X-ray Scattering and Nitrogen Adsorption Methods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10727-10735	3.8	25
1042	A high performance multi-walled carbon nanotube-supported palladium catalyst in selective hydrogenation of acetylene-ethylene mixtures. 2011 , 399, 184-190		31
1041	Lignocellulosic-derived catalysts for the selective oxidation of propane. 2011 , 12, 989-992		25
1040	Nano-Scale Au Supported on Carbon Materials for the Low Temperature Water Gas Shift (WGS) Reaction. <i>Catalysts</i> , 2011 , 1, 155-174	4	6
1039	Preparation of Cu ₂ O/AC photocatalysts and their photocatalytic activity in degradation of pyrocatechol. 2011 , 52, 672-677		5
1038	Synthesis and characterization of activated carbon from sawdust of Algarroba wood. 1. Physical activation and pyrolysis. 2011 , 196, 360-9		51
1037	Chemoselective hydrogenation of cinnamaldehyde: A comparison of the immobilization of Ru ^{II} phosphine complex on graphite oxide and on graphitic surfaces. 2011 , 282, 299-309		41
1036	Oxidation of dyes from colored wastewater using activated carbon/hydrogen peroxide. 2011 , 279, 183-189		34
1035	Selective phenol hydrogenation in aqueous phase on Pd-based catalysts supported on hybrid TiO ₂ -carbon materials. 2011 , 404, 103-112		76
1034	Alcohols as alternative fuels: An overview. 2011 ,		54
1033	Maximizing the number of oxygen-containing functional groups on activated carbon by using ammonium persulfate and improving the temperature-programmed desorption characterization of carbon surface chemistry. <i>Carbon</i> , 2011 , 49, 5002-5013	10.4	110

1032	An efficient route for the preparation of activated carbon supported ruthenium catalysts with high performance for ammonia synthesis. <i>Catalysis Today</i> , 2011 , 174, 97-105	53	39
1031	Effect of the operation conditions on the selective oxidation of glycerol with catalysts based on Au supported on carbonaceous materials. 2011 , 178, 423-435		60
1030	Fischer-tropsch iron catalysts supported on fibrous carbon material. 2011 , 51, 317-323		3
1029	Synthesis of monohydric alcohols from CO and H ₂ on Fe/Sibunit catalysts. 2011 , 45, 281-285		1
1028	Aerobic Oxidation of Benzyl Alcohol over Activated Carbon Supported Manganese and Vanadium Catalysts: Effect of Surface Oxygen-Containing Groups. 2011 , 141, 149-157		17
1027	Nitrogen Functionalization of Carbon Black in a Thermo-Convective Plasma Reactor. 2011 , 31, 635-647		2
1026	Computational study of the adsorption of molecular hydrogen on PdAg, PdAu, PtAg, and PtAu dimers. 2011 , 102, 1-20		9
1025	Improvement in the Pore Size Distribution for Ordered Mesoporous Materials with Cylindrical and Spherical Pores Using the Kelvin Equation. 2011 , 54, 121-134		45
1024	Adsorption of dyes on carbon xerogels and templated carbons: influence of surface chemistry. 2011 , 17, 431-441		46
1023	Activation and structural and adsorption features of activated carbons with highly developed micro-, meso- and macroporosity. 2011 , 17, 453-460		25
1022	The role of activated carbons functionalized with thiol and sulfonic acid groups in catalytic wet peroxide oxidation. 2011 , 106, 390-397		60
1021	Electrochemical promotion of the CO ₂ hydrogenation reaction on composite Ni or Ru impregnated carbon nanofiber catalyst-electrodes deposited on YSZ. 2011 , 107, 210-220		32
1020	Composites prepared from natural iron oxides and sucrose: A highly reactive system for the oxidation of organic contaminants in water. 2011 , 166, 962-969		25
1019	Preparation of highly crystalline graphitic nanocarbon for the electro-oxidation of methanol. 2011 , 4, 92-102		7
1018	Comparative adsorption isotherms and modeling of methylene blue onto activated carbons. 2011 , 1, 111-117		143
1017	Carbon Materials as Catalysts for Decomposition and CO ₂ Reforming of Methane: A Review. 2011 , 32, 207-216		71
1016	Heterogeneous fenton catalysts based on activated carbon and related materials. 2011 , 4, 1712-30		145
1015	Reaction mechanism of aerobic oxidation of alcohols conducted on activated-carbon-supported cobalt oxide catalysts. 2011 , 17, 7112-7		55

1014	Enhanced hydrogen production by hydrolysis of NaBH ₄ using Co-B nanoparticles supported on Carbon film catalyst synthesized by pulsed laser deposition. <i>Catalysis Today</i> , 2011 , 170, 20-26	5.3	32
1013	Current perspectives on microwave-enhanced reactions of monosaccharides promoted by heterogeneous catalysts. <i>Catalysis Today</i> , 2011 , 167, 141-147	5.3	15
1012	Synthesis and characterization of Au supported on carbonaceous material-based catalysts for the selective oxidation of glycerol. 2011 , 172, 418-429		52
1011	Transesterification of palm oil to methyl ester on activated carbon supported calcium oxide catalyst. 2011 , 102, 2659-64		57
1010	Oxidative dehydrogenation of isobutane on phosphorous-modified graphitic mesoporous carbon. <i>Carbon</i> , 2011 , 49, 659-668	10.4	53
1009	Chemically modified cyclodextrins as supramolecular tools to generate carbon-supported ruthenium nanoparticles: An application towards gas phase hydrogenation. 2011 , 391, 334-341		20
1008	Influence of the chemical activation of carbon nanofibers on their use as catalyst support. 2011 , 393, 78-87		19
1007	Influence of the structural and surface characteristics of activated carbon on the catalytic decomposition of hydrogen peroxide. 2011 , 402, 146-155		101
1006	Sewage sludge based catalysts for catalytic wet air oxidation of phenol: Preparation, characterisation and catalytic performance. 2011 , 101, 306-316		75
1005	The role of activated carbon as a catalyst in GAC/iron oxide/H ₂ O ₂ oxidation process. 2011 , 273, 57-63		58
1004	Synthesis and characterization of iron-impregnated porous carbon spheres prepared by ultrasonic spray pyrolysis. <i>Carbon</i> , 2011 , 49, 587-598	10.4	78
1003	Carbonaceous nanomaterials for the enhancement of TiO ₂ photocatalysis. <i>Carbon</i> , 2011 , 49, 741-772	10.4	967
1002	Nitrogen-doped carbon nanotubes with high activity for oxygen reduction in alkaline media. 2011 , 36, 2258-2265		118
1001	Efficient tuning of the Pt nano-particle mono-dispersion on Vulcan XC-72R by selective pre-treatment and electrochemical evaluation of hydrogen oxidation and oxygen reduction reactions. 2011 , 36, 5453-5465		44
1000	Carbon materials with tailored porosity by self-assembly method: Influence of the synthesis conditions. 2011 , 143, 30-36		8
999	Influence of porous characteristics of the carbon support on alkali-modified trimetallic CoRhMo sulfided catalysts for higher alcohols synthesis from synthesis gas. 2011 , 393, 50-58		37
998	Nitrate reduction with hydrogen in the presence of physical mixtures with mono and bimetallic catalysts and ions in solution. 2011 , 102, 424-432		54
997	Electrospinning materials for energy-related applications and devices. 2011 , 196, 4886-4904		353

996	Investigations of a platinum/ruthenium/carbon nanotube catalyst formed by a two-step spontaneous deposition method. 2011 , 196, 5811-5816	19
995	Effect of acid treatment on the surface of multiwalled carbon nanotubes prepared from Fe ₃ O ₄ supported on CaCO ₃ : Correlation with Fischer-Tropsch catalyst activity. 2011 , 335, 189-198	84
994	Effects of acid treatment on activated carbon used as a support for Rb and K catalyst for C ₂ F ₅ I synthesis and its mechanism. 2011 , 132, 548-553	6
993	Synthesis of granular activated carbon/zero valent iron composites for simultaneous adsorption/dechlorination of trichloroethylene. 2011 , 192, 500-6	117
992	Surface chemical modifications induced on high surface area graphite and carbon nanofibers using different oxidation and functionalization treatments. 2011 , 355, 179-89	95
991	On the potential of long carbon nanotube forest for sensing gases and vapors. 2011 , 43, 1199-1207	9
990	CO ₂ oxidation using graphite oxide. 2011 , 67, 4431-4434	193
989	Activated Carbon Supported Iron Catalyst for the Fischer-Tropsch Synthesis. 2011 , 335-336, 161-164	
988	Catalytic Decomposition Kinetics and Mechanism of Hydrogen Peroxide by Modified Activated Carbon. 2011 , 243-249, 4860-4863	
987	Direct Synthesis of Phenol from Benzene on an Activated Carbon Catalyst Treated with Nitric Acid. 2011 , 24, 358-364	16
986	Preparation, characterization and catalytic activity of Nano Au/C catalyst. 2011 ,	
985	Surface Chemistry of Carbon Black Electrocatalyst Supports as a Result of a Commercial Synthetic Route. 2012 , 1, M33-M38	3
984	Adsorption of Thiophenic Compounds from Model Diesel Fuel Using Copper and Nickel Impregnated Activated Carbons. 2012 , 5, 4233-4250	45
983	Performance of the Vapor Fed Direct Alcohol Phosphoric Acid Fuel Cell. 2012 , 159, B570-B577	5
982	Magnetic Properties and Interplay between Nanographene Host and Nitric Acid Guest in Nanographene-Based Nanoporous Carbon. 2012 , 85, 376-388	2
981	Easy synthesis of iron doped ordered mesoporous carbon with tunable pore sizes. 2012 , 21, 275-281	5
980	Magnetically recyclable Pt/C(Ni) nanocatalysts with improved selectivity for hydrogenation of o-chloronitrobenzene. 2012 , 28, 69-72	13
979	Lignocellulosic-derived mesoporous materials: An answer to manufacturing non-expensive catalysts useful for the biorefinery processes. <i>Catalysis Today</i> , 2012 , 195, 155-161	5-3 27

978	Surface properties of activated carbon from different raw materials. 2012 , 22, 483-486		11
977	Phenol Degradation by Heterogeneous Fenton-Like Reaction Using Fe Supported Over Activated Carbon. 2012 , 42, 1373-1377		21
976	Hydroxylation of Benzene by Activated Carbon Catalyst. 2012 , 33, 1622-1630		23
975	Adsorption of congo red onto activated carbons having different surface properties: studies of kinetics and adsorption equilibrium. 2012 , 37, 122-129		57
974	Characterization of carbon surface chemistry by combined temperature programmed desorption with in situ X-ray photoelectron spectrometry and temperature programmed desorption with mass spectrometry analysis. 2012 , 84, 2147-53		68
973	Photonic Activity for MB Solution of Metal Oxide/CNT Catalysts Derived from Different Organometallic Compounds. 2012 , 20, 127-137		7
972	Hydrothermal Synthesis of CeO ₂ Nanoparticles on Activated Carbon with Enhanced Desulfurization Activity. 2012 , 26, 5879-5886		41
971	Room temperature removal of NO by activated carbon fibres loaded with urea and La ₂ O ₃ . 2012 , 33, 1029-36		15
970	Synthesis, characterization, and electrochemical applications of carbon nanoparticles derived from castor oil soot. 2012 , 88, 445-9		23
969	On the Nature of Surface Vanadium Oxide Species on Carbons. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20396-20403	3.8	12
968	Synthesis and Characterization of Nanocomposites with Strong Interfacial Interaction: Sulfated ZrO ₂ Nanoparticles Supported on Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21742-21752	3.8	30
967	Development of nanocarbon gold composite for heterogeneous catalytic oxidation. 2012 , 87, 90-93		10
966	Graphite oxide as support for the immobilization of Ru-BINAP: Application in the enantioselective hydrogenation of methylacetoacetate. 2012 , 26, 149-154		14
965	Potassium persulfate promoted catalytic wet oxidation of fulvic acid as a model organic compound in landfill leachate with activated carbon. 2012 , 200-202, 25-31		60
964	Performance evaluation and application of oxygen enriched waste rubber tire adsorbent for the removal of hazardous aniline derivatives from waste water. 2012 , 203, 447-457		21
963	Preparation and Catalysis of Carbon-Supported Iron Catalysts for Fischer-Tropsch Synthesis. 2012 , 4, 1498-1511		81
962	Immobilized Catalysts for Hydroformylation Reactions: A Versatile Tool for Aldehyde Synthesis. 2012 , 2012, 6309-6320		65
961	Reversible hydrogen storage by NaAlH ₄ confined within a titanium-functionalized MOF-74(Mg) nanoreactor. 2012 , 6, 9807-17		125

- 960 Modern Trends in Catalyst and Process Design for Alkyne Hydrogenations. *ACS Catalysis*, **2012**, 2, 1773-1786 192
- 959 Tuning the textural and surface properties of carbon xerogels to be used as supports for gold catalysts. **2012**, 10, 1867-1874 3
- 958 Advanced Physical Adsorption Characterization of Nanoporous Carbons. **2012**, 107-145 28
- 957 Colloids, Nanocrystals, and Surface Nanostructures of Uniform Size and Shape: Modeling of Nucleation and Growth in Solution Synthesis. **2012**, 239-268 5
- 956 Characteristics of Chemical Modified Activated Carbons from Bamboo Scaffolding. **2012**, 20, 515-523 30
- 955 A comparative study of various microporous materials to store hydrogen by physical adsorption. **2012**, 37, 14870-14880 28
- 954 Electrodeposited mesoporous platinum catalysts over hierarchical carbon monolithic support as anode in small PEM fuel cells. **2012**, 37, 14911-14919 14
- 953 Preparation of activated carbon supported Pt catalysts and optimization of their catalytic activities for hydrogen gas production from the hydrothermal treatment of biomass-derived compounds. **2012**, 37, 17844-17852 18
- 952 Nitrate reduction by maghemite supported Cu-Pd bimetallic catalyst. **2012**, 127, 148-158 87
- 951 N-doped graphene/carbon composite as non-precious metal electrocatalyst for oxygen reduction reaction. **2012**, 81, 313-320 89
- 950 Catalytic conversion of silicon tetrachloride to trichlorosilane for a poly-Si process. **2012**, 105, 142-147 21
- 949 Catalytic ozonation of sulphamethoxazole in the presence of carbon materials: catalytic performance and reaction pathways. **2012**, 239-240, 167-74 121
- 948 Effect of catalyst confinement and pore size on Fischer-Tropsch synthesis over cobalt supported on carbon nanotubes. **2012**, 55, 1811-1818 22
- 947 Physical and chemical properties of PAN-derived electrospun activated carbon nanofibers and their potential for use as an adsorbent for toxic industrial chemicals. **2012**, 18, 265-274 33
- 946 Synthesis of graphitic mesoporous carbon from sucrose as a catalyst support for ethanol electro-oxidation. **2012**, 22, 17820 39
- 945 Porous Texture Versus Surface Chemistry in Applications of Adsorption by Carbons. **2012**, 471-498 4
- 944 Catalytic Removal of Water-Solved Aromatic Compounds by Carbon-Based Materials. **2012**, 499-520 1
- 943 Carbon Modifications and Surfaces for Catalytic Organic Transformations. *ACS Catalysis*, **2012**, 2, 1267-1284 152

942	Influence of preoxidizing treatments on the preparation of iron-containing activated carbons for catalytic wet peroxide oxidation of phenol. 2012 , 87, 880-886		21
941	Tuning the acid/metal balance of carbon nanofiber-supported nickel catalysts for hydrolytic hydrogenation of cellulose. 2012 , 5, 1549-58		114
940	Two-step synthesis of Fe ₂ O ₃ and Co ₃ O ₄ nanoparticles: towards a general method for synthesizing nanocrystalline metal oxides with high surface area and thermal stability. 2012 , 2, 121-124		7
939	The synthesis of a hybrid graphene/nickel/manganese mixed oxide and its performance in lithium-ion batteries. <i>Carbon</i> , 2012 , 50, 518-525	10.4	99
938	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. <i>Carbon</i> , 2012 , 50, 1123-1134	10.4	36
937	Kinetic study of the oxidation resistance of phosphorus-containing activated carbons. <i>Carbon</i> , 2012 , 50, 1523-1537	10.4	178
936	Graphitic mesoporous carbon as a support of promoted Rh catalysts for hydrogenation of carbon monoxide to ethanol. <i>Carbon</i> , 2012 , 50, 1574-1582	10.4	34
935	Activation processes of highly ordered carbon nanofibers in the oxidative dehydrogenation of ethylbenzene. <i>Catalysis Today</i> , 2012 , 186, 93-98	5.3	20
934	Catalysis on nano-carbon materials: Going where to?. <i>Catalysis Today</i> , 2012 , 186, 1-6	5.3	40
933	Co-catalytic effect of sewage sludge-derived char as the support of Fenton-like catalyst. 2012 , 185-186, 44-51		83
932	The influence of silver on the physicochemical and catalytic properties of activated carbons. 2012 , 189-190, 422-430		12
931	Manganese oxides supported on multi-walled carbon nanotubes for selective catalytic reduction of NO with NH ₃ : Catalytic activity and characterization. 2012 , 192, 232-241		119
930	Activated carbon xerogels for the removal of the anionic azo dyes Orange II and Chromotrope 2R by adsorption and catalytic wet peroxide oxidation. 2012 , 195-196, 112-121		73
929	Photodegradation of perfluorooctanoic acid by synthesized TiO ₂ -MWCNT composites under 365nm UV irradiation. 2012 , 86, 853-9		87
928	CoB nanoparticles supported on carbon film synthesized by pulsed laser deposition for hydrolysis of ammonia borane. 2012 , 37, 2007-2013		35
927	Promotion of Co/carbon sphere Fischer-Tropsch catalysts by residual K and Mn from carbon oxidation by KMnO ₄ . 2012 , 413-414, 223-229		12
926	Hydrogen photoproduction under visible irradiation of Au/TiO ₂ /activated carbon. 2012 , 417-418, 263-272		33
925	Desulfurization activity of nickel supported on acid-treated activated carbons. 2012 , 421-422, 142-147		51

924	Supported Co ₃ O ₄ -CeO ₂ catalysts on modified activated carbon for CO preferential oxidation in H ₂ -rich gases. 2012 , 119-120, 62-73	45
923	Influence of the support and the preparation methods on the performance in citral hydrogenation of Pt-based catalysts supported on carbon nanotubes. 2012 , 290, 37-54	36
922	Substrate inhibition in the heterogeneous catalyzed aldol condensation: A mechanistic study of supported organocatalysts. 2012 , 291, 63-68	65
921	Effect of support and pre-treatment conditions on Pt-Sn catalysts: application to nitrate reduction in water. 2012 , 369, 294-301	21
920	Influence of surface functionalization via chemical oxidation on the properties of carbon nanotubes. 2012 , 370, 32-8	101
919	Nickel supported carbon nanofibers as an active and selective catalyst for the gas-phase hydrogenation of 2-tert-butylphenol. 2012 , 380, 173-81	4
918	Molecular simulations for adsorption and separation of thiophene and benzene in Cu-BTC and IRMOF-1 metal-organic frameworks. 2012 , 95, 149-156	34
917	A self-template synthesis of hierarchical porous carbon foams based on banana peel for supercapacitor electrodes. 2012 , 209, 152-157	371
916	Chemical treatment of CNTs in acidic KMnO ₄ solution and promoting effects on the corresponding PdPt/CNTs catalyst. 2012 , 356, 114-120	18
915	Towards advanced aqueous dye removal processes: a short review on the versatile role of activated carbon. 2012 , 102, 148-64	318
914	Enhancing the adsorption of vapor-phase mercury chloride with an innovative composite sulfur-impregnated activated carbon. 2012 , 217-218, 43-50	27
913	Cobalt catalysts supported on silica nanotubes for Fischer-Tropsch synthesis. 2012 , 55, 145-150	6
912	Silane modification and characterization of activated carbon. 2012 , 18, 23-29	7
911	Adsorption characteristics of [Fe(III)EDTA] ⁻ on granular activated carbon from aqueous solutions. 2013 , 32, 470-479	4
910	Tuning the Location of Niobia/Carbon Composites in a Biphasic Reaction: Dehydration of d-Glucose to 5-Hydroxymethylfurfural. 2013 , 143, 509-516	34
909	Activated carbon as photocatalyst of reactions in aqueous phase. 2013 , 142-143, 694-704	75
908	The influence of structure and surface chemistry of carbon materials on the decomposition of hydrogen peroxide. <i>Carbon</i> , 2013 , 62, 97-108	10.4 85
907	Transition metal modified activated carbons from biomass and coal treatment products as catalysts for methanol decomposition. 2013 , 110, 281-294	13

906	Formation of different promoted metallic phases in PtFe and PtSn catalysts supported on carbonaceous materials used for selective hydrogenation. 2013 , 306, 11-29	65
905	The synthesis of platinum nanoparticles and their deposition on the active carbon fibers in one microreactor cycle. 2013 , 226, 46-51	32
904	Effect of Lithium and Potassium Cations on the Electrocatalytic Properties of Carbon and Manganese Oxide Electrocatalysts Towards the Oxygen Reduction Reaction in Concentrated Alkaline Electrolyte. 2013 , 4, 123-133	13
903	Heterogenization of Homogeneous Catalysts on Carbon Materials. 2013 , 55-78	11
902	Approaches to Synthesize Carbon-Supported Platinum-Based Electrocatalysts for Proton-Exchange Membrane Fuel Cells. 2013 , 407-428	4
901	Reduced graphene oxide supported Au nanoparticles as an efficient catalyst for aerobic oxidation of benzyl alcohol. 2013 , 280, 450-455	86
900	The influence of acid treatment of carbon nanofibers on the activity of palladium catalysts in the liquid-phase hydrodechlorination of dichlorobenzene. 2013 , 467, 386-393	14
899	Electrocatalysis in Fuel Cells. 2013 ,	63
898	Photocatalytic Degradation of Dyes Using Carbon Nanotube and Titania Nanoparticle. 2013 , 224, 1	51
897	The influence of Mn species on the SO ₂ removal of Mn-based activated carbon catalysts. 2013 , 282, 425-431	56
896	Carbon. 2013 , 323-369	13
895	High specific surface area of SiO ₂ meso- and nanoporous materials textural assessment and surface development. 2013 , 106, 393-395	7
894	Preferential oxidation of CO in a H ₂ -rich stream over multi-walled carbon nanotubes confined Ru catalysts. 2013 , 38, 16665-16676	30
893	Advances in the development of nanostructured catalysts based on carbon gels. <i>Catalysis Today</i> , 2013 , 218-219, 43-50	5-3 23
892	Carbothermal reduction of Ti-modified IRMOF-3: an adaptable synthetic method to support catalytic nanoparticles on carbon. 2013 , 5, 11479-87	58
891	Beneficial role of ZnO photocatalyst supported with porous activated carbon for the mineralization of alizarin cyanin green dye in aqueous solution. 2013 , 4, 479-84	77
890	Iron- and Nitrogen-Functionalized Graphene Nanosheet and Nanoshell Composites as a Highly Active Electrocatalyst for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26501-26508	38 65
889	Carbon in Catalysis. 2013 , 56, 103-185	13

888	Ordered mesoporous carbons supported wacker-type catalyst for catalytic oxidative carbonylation. 2013 , 59, 3797-3805	15
887	Adsorption of vapor-phase elemental mercury (Hg ⁰) and mercury chloride (HgCl ₂) with innovative composite activated carbons impregnated with Na ₂ S and S ₀ in different sequences. 2013 , 229, 469-476	33
886	The effects of CO ₂ activation, on porosity and surface functional groups of cocoa (Theobroma cacao) shell based activated carbon. 2013 , 1, 378-388	17
885	Adsorptive Removal of Methyl Orange and Methylene Blue From Aqueous Solution with Finger-Citron-Residue-Based Activated Carbon. 2013 , 52, 14297-14303	202
884	Impact of oxidation on nanoparticle adhesion to carbon substrates. 2013 , 3, 15792	10
883	Stabilisation of carbon-supported palladium nanoparticles through the formation of an alloy with gold: application to the Sonogashira reaction. 2013 , 19, 14024-9	33
882	CO ₂ adsorption on chemically modified activated carbon. 2013 , 252-253, 19-28	73
881	Regiospecific, one-pot, and pseudo-five-component synthesis of 6,6'-(arylmethylene)bis(2-(tert-butyl)4-methylphenol) antioxidants using highly sulfonated multi-walled carbon nanotubes under solvent-free conditions. 2013 , 91, 982-991	12
880	SiC nanocrystals as Pt catalyst supports for fuel cell applications. 2013 , 1, 6030-6036	58
879	Fabrication of a new MgO/C sorbent for CO ₂ capture at elevated temperature. 2013 , 1, 12919	56
878	Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface. 2013 , 3, 12641	9
877	The development of gold catalysts for use in hydrogenation reactions. 2013 , 48, 543-564	76
876	Carbon Nanomaterials in Catalysis: Proton Affinity, Chemical and Electronic Properties, and their Catalytic Consequences. 2013 , 5, 378-401	199
875	The effect of pH and zwitterionic buffers on catalytic nitrate reduction by TiO ₂ -supported bimetallic catalyst. 2013 , 232, 327-337	45
874	Reduction of [Fe(III)EDTA] catalyzed by activated carbon modified with KOH solution. 2013 , 19, 784-790	10
873	Selective ring CH bonds activation of toluene over Fe/activated carbon catalyst. 2013 , 377, 143-153	17
872	Catalytic oxidation of crude glycerol using catalysts based on Au supported on carbonaceous materials. 2013 , 450, 189-203	41
871	Carbon Nanofibers Grown on Anatase Washcoated Cordierite Monolith and Its Supported Palladium Catalyst for Cinnamaldehyde Hydrogenation. 2013 , 52, 1224-1233	32

870	The role of nitrogen in a carbon support on the increased activity and stability of a Pt catalyst in electrochemical hydrogen oxidation. <i>Carbon</i> , 2013 , 51, 274-281	10.4	66
869	Spontaneous gold decoration of activated carbons. 2013 , 408, 235-239		3
868	Volumetric distribution of Pt nanoparticles supported on mesoporous carbon substrates studied by X-ray photoelectron spectroscopy depth profiling. <i>Carbon</i> , 2013 , 54, 389-395	10.4	1
867	Granular activated carbons from palm nut shells for gold di-cyanide adsorption. 2013 , 20, 172-179		3
866	Platinum embedded within carbon nanospheres for shape selective liquid phase hydrogenation. <i>Carbon</i> , 2013 , 57, 485-497	10.4	12
865	Evolution towards the utilisation of functionalised carbon nanotubes as a new generation catalyst support in biodiesel production: an overview. 2013 , 3, 9070		46
864	High CO ₂ and CO conversion to hydrocarbons using bridged Fe nanoparticles on carbon nanotubes. 2013 , 3, 1202		39
863	Graphite as a highly efficient and stable catalyst for the production of lactones. <i>Carbon</i> , 2013 , 55, 269-275	10.4	36
862	Ozonation of bezafibrate promoted by carbon materials. 2013 , 140-141, 82-91		44
861	The effects of a microwave heating method on the production of activated carbon from agricultural waste: A review. 2013 , 100, 1-11		204
860	Enhanced activity of Pd nanoparticles supported on Vulcan XC72R carbon pretreated via a modified Hummers method for formic acid electrooxidation. 2013 , 274, 138-143		22
859	The effect of acid treatment on the surface chemistry and topography of graphite. <i>Carbon</i> , 2013 , 61, 124-133	10.4	29
858	Promises and Challenges of Unconventional Electrocatalyst Supports. 2013 , 689-728		2
857	Bimetallic CoPd catalysts: Study of preparation methods and their influence on the selective hydrogenation of acetylene. 2013 , 300, 125-135		66
856	Carbon-Mediated Catalysis: Oxidative Dehydrogenation on Graphitic Carbon. 2013 , 247-258		5
855	Oxidation Stability of Nanographite Materials. 2013 , 3, 1176-1179		17
854	A new route for the preparation of mesoporous carbon materials with high performance in lithium-sulphur battery cathodes. 2013 , 49, 5832-4		88
853	Oxygen-functionalized few-layer graphene sheets as active catalysts for oxidative dehydrogenation reactions. 2013 , 6, 840-6		56

852	Molecular simulation of adsorption and transport in hierarchical porous materials. 2013 , 29, 7864-75		46
851	Chemical control of the characteristics of Mo-doped carbon xerogels by surfactant-mediated synthesis. <i>Carbon</i> , 2013 , 51, 213-223	10.4	18
850	Chemical and (Photo)-Catalytical Transformations in Photonic Crystal Fibers. 2013 , 5, 641-650		19
849	Preparation and Study of Pd Catalysts Supported on Activated Carbon Cloth (ACC) for Direct Synthesis of H ₂ O ₂ from H ₂ and O ₂ . 2013 , 56, 527-539		18
848	Fischer-Tropsch Synthesis Over Cobalt Supported On Silica-Incorporated Mesoporous Carbon. 2013 , 5, 1461-1471		7
847	Preparation of multi metal-carbon nanoreactors for adsorption and catalysis. 2013 , 19, 251-257		11
846	Deposition of Monodisperse Platinum Nanoparticles of Controlled Size on Different Supports. 2013 , 02, 32-38		11
845	A novel route towards high quality fullerene-pillared graphene. <i>Carbon</i> , 2013 , 61, 313-320	10.4	22
844	Gas-phase hydrodeoxygenation of guaiacol over iron-based catalysts. Effect of gases composition, iron load and supports (silica and activated carbon). 2013 , 129, 528-538		117
843	Hydrogen production by catalytic decomposition of methane over carbon black catalyst at high temperatures. 2013 , 30, 1716-1721		14
842	Adsorption of SO ₂ by typical carbonaceous material: a comparative study of carbon nanotubes and activated carbons. 2013 , 19, 959-966		46
841	Microwave-Assisted Immobilization of Manganese Salen Complexes: Increased Activity and Chemoselectivity in Catalytic Epoxidation. 2013 , 5, 895-898		9
840	Comparative Study Using Chemical Wet Oxidation for Removal of Reactive Black 5 in the Presence of Activated Carbon. 2013 , 139, 1462-1469		7
839	Activated Carbon Supported Iron Catalyst for the Fischer-Tropsch Synthesis. 2013 , 805-806, 232-235		2
838	Electrocatalytic Activity toward Oxygen Reduction of Ru _x N _y Catalysts Supported on Different Nanostructured Carbon Carriers. 2013 , 2, M61-M66		4
837	Effect of Surface Oxides and Steric Hindrance on the Adsorption of Dimethoxon from Chloroform on Activated Carbons. 2013 , 31, 385-395		
836	Photodegradation of Dyes Using Multiwalled Carbon Nanotube and Ferrous Ion. 2013 , 139, 1368-1374		69
835	Catalytic Impact of Activated Carbon on the Formation of Nitrosamines from Different Amine Precursors. 2013 , 79-100		2

834	Chemocatalytic Processes for the Production of Bio- Based Chemicals from Carbohydrates. 2013 , 235-278	1
833	Metal and precursor effect during 1-heptyne selective hydrogenation using an activated carbon as support. 2013 , 2013, 528453	7
832	Design criteria for stable Pt/C fuel cell catalysts. 2014 , 5, 44-67	294
831	New Insights into the Mechanism of the Catalytic Decomposition of Hydrogen Peroxide by Activated Carbon: Implications for Degradation of Diethyl Phthalate. 2014 , 53, 19925-19933	62
830	Nanocarbons: Opening New Possibilities for Nano-engineered Novel Catalysts and Catalytic Electrodes. 2014 , 18, 149-163	30
829	Carbon Materials for Fuel Cells. 2014 , 231-270	3
828	Fabrication of Ultrafine Carbon Fibers Possessing a Nanoporous Structure from Electrospun Polyvinyl Alcohol Fibers Containing Silica Nanoparticles. 2014 , 2014, 1-6	3
827	Characterization of Carbon Nanofibers Treated with Thermal Nitrogen as a Catalyst Support Using Point-of-Zero Charge Analysis. 2014 , 2014, 1-6	7
826	Pyrolysis of Trifluoromethane over Activated Carbon: Role of the Surface Oxygen Groups. 2014 , 39, 38-52	1
825	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. 2014 , 83, 885-985	153
824	Graphene on Crystalline Metal Surfaces. 2014 , 691-736	
823	Thiophene Capture by an Oxidation-Modified Activated Carbon Derived from Bergamot. 2014 , 49, 367-375	15
822	Modulation of chemical interactions across graphene layers and metastable domains in carbon materials. 2014 , 24, 327-328	8
821	Determining whether metals nucleate homogeneously on graphite: A case study with copper. 2014 , 90,	13
820	Reduction of [Fe(III)EDTA] catalyzed by activated carbon modified with ammonia solution. 2014 , 33, 99-106	6
819	Direct Alcohol Fuel Cells. 2014 ,	33
818	In Situ Heterogeneous Catalysis Monitoring in a Hollow-Core Photonic Crystal Fiber Microflow Reactor. 2014 , 1, 1300093	9
817	Mild and Low-Cost Synthetic Process for Monodispersive Platinum Nanoparticles on Carbon Aerogel. 2014 , 809-810, 53-58	1

816	Spectroscopic and atomic force studies of the functionalisation of carbon surfaces: new insights into the role of the surface topography and specific chemical states. 2014 , 173, 257-72	16
815	Synthesis, Characterization and Activity Pattern of Carbon Nanofibres Based Cu-ZrO ₂ Catalyst in the Hydrogenation of Carbon Dioxide to Methanol. 2014 , 925, 349-353	7
814	Porous Carbons for Carbon Dioxide Capture. 2014 , 15-77	11
813	Investigation of Carbon Nanofiber Supported Iron Catalyst Preparation by Deposition Precipitation. 2014 , 1043, 71-75	1
812	Preparation of porous nanocarbons with tunable morphology and pore size from copolymer templated precursors. 2014 , 1, 121-124	27
811	Adsorption at the Liquid-Solid Interface: Thermodynamics and Methodology. 2014 , 105-158	6
810	Photocatalytic degradation of phenol and isoproturon: Effect of adding an activated carbon to titania catalyst. 2014 , 287, 8-18	31
809	Partial oxidation of ethanol to acetaldehyde over surface-modified single-walled carbon nanotubes. 2014 , 469, 8-17	25
808	Desulfurization performance of iron supported on activated carbon. 2014 , 123, 93-100	47
807	Application of the ultrasound in the mild synthesis of substituted 2,3-dihydroquinazolin-4(1H)-ones catalyzed by heterogeneous metal-MWCNTs nanocomposites. 2014 , 1072, 173-178	20
806	Degradation of dyes using combined photo-Fenton/activated carbon: synergistic effect. 2014 , 52, 5007-5014	4
805	Supported Co ₃ O ₄ on expanded graphite as a catalyst for the degradation of Orange II in water using sulfate radicals. 2014 , 52, 3384-3391	43
804	Functionalization and Characterization of Carbon Nanohorns (CNHs) for Hydrotreating of Gas Oils. 2014 , 57, 796-805	17
803	Application and future challenges of functional nanocarbon hybrids. 2014 , 26, 2295-318	261
802	Relationship between active phase morphology and catalytic properties of the carbon-alumina-supported Co(Ni)Mo catalysts in HDS and HYD reactions. 2014 , 309, 386-396	124
801	Improving hydrogen production via water splitting over Pt/TiO ₂ /activated carbon nanocomposite. 2014 , 39, 7262-7269	56
800	Carbonization process of Moso bamboo (<i>Phyllostachys pubescens</i>) charcoal and its governing thermodynamics. 2014 , 107, 9-16	27
799	Synergy effect in photodegradation of contaminants from water using ordered mesoporous carbon-based titania catalyst. 2014 , 146, 151-161	32

798	Binary catalyst system dye degradation using photocatalysis. 2014 , 15, 273-280		75
797	Formation of nanoclusters and nanopillars in nonequilibrium surface growth for catalysis applications: growth by diffusional transport of matter in solution synthesis. 2014 , 50, 383-392		11
796	Ru Nanoparticles Entrapped in Ordered Mesoporous Carbons: An Efficient and Reusable Catalyst for Liquid-Phase Hydrogenation. 2014 , 144, 268-277		22
795	Functionalized graphene sheets coordinating metal cations. <i>Carbon</i> , 2014 , 75, 81-94	10.4	48
794	Cobalt and iron modified activated carbon from coal tar pitch: preparation and application as catalysts for methanol decomposition. 2014 , 21, 503-512		4
793	Comparing Different Synthesis Procedures for Carbide-Derived Carbon-Based Structured Catalyst Supports. 2014 , 37, 453-461		7
792	Zero-valent iron supported on nitrogen-containing activated carbon for catalytic wet peroxide oxidation of phenol. 2014 , 154-155, 329-338		59
791	Template synthesis and characterization of carbon nanomaterials from ferrocene crystals. 2014 , 308, 388-395		11
790	The nucleophilicity of the oxygen functional groups on carbon materials: a DFT analysis. 2014 , 20, 7890-4		36
789	Fischer-Tropsch synthesis: Iron catalysts supported on N-doped carbon spheres prepared by chemical vapor deposition and hydrothermal approaches. 2014 , 311, 80-87		92
788	Carbon nanofibres coated with Ni decorated MoS ₂ nanosheets as catalyst for vacuum residue hydroprocessing. 2014 , 148-149, 357-365		28
787	Non-destructive evaluation of an activated carbon using microwaves to determine residual life. <i>Carbon</i> , 2014 , 67, 1-9	10.4	19
786	High-Temperature Polymer Electrolyte Fuel Cell Using Poly(vinylphosphonic acid) as an Electrolyte Shows a Remarkable Durability. 2014 , 6, 567-571		37
785	Electrical conductivity of activated carbon-metal oxide nanocomposites under compression: a comparison study. 2014 , 16, 25161-75		49
784	Synthesis and Characterization of Nitrogen-Doped Carbon Nanospheres Decorated with Au Nanoparticles for the Liquid-Phase Oxidation of Glycerol. 2014 , 53, 16696-16706		14
783	Throwing light on platinumized carbon nanostructured composites for hydrogen generation. 2014 , 7, 4087-4094		12
782	One-pot transformation of polysaccharides via multi-catalytic processes. 2014 , 4, 4138-4168		61
781	Carbon Materials as Catalyst Supports and Catalysts in the Transformation of Biomass to Fuels and Chemicals. <i>ACS Catalysis</i> , 2014 , 4, 3393-3410	13.1	403

780	Structural Characterization of Micro- and Mesoporous Carbon Materials Using In Situ High Pressure ^{129}Xe NMR Spectroscopy. 2014 , 26, 3280-3288		28
779	Carbon-supported palladium catalysts for the direct synthesis of hydrogen peroxide from hydrogen and oxygen. 2014 , 319, 15-26		45
778	Cobalt and iron supported on carbon nanofibers as catalysts for Fischer-Tropsch synthesis. 2014 , 128, 417-424		41
777	Fe@CNT-monoliths for the conversion of carbon dioxide to hydrocarbons: structural characterisation and Fischer-Tropsch reactivity investigations. 2014 , 4, 3351-3358		32
776	Synthesis and textural characterization of a templated nanoporous carbon from MCM-22 zeolite and its use as adsorbent of amoxicillin and ethinylestradiol. 2014 , 20, 967-976		8
775	Application of Fe/Activated Carbon Catalysts in the Hydroxylation of Phenol to Dihydroxybenzenes. 2014 , 53, 2932-2939		40
774	Principles and mechanisms of photocatalytic dye degradation on TiO_2 based photocatalysts: a comparative overview. 2014 , 4, 37003-37026		713
773	Manganese Oxides Supported on TiO_2 /Graphene Nanocomposite Catalysts for Selective Catalytic Reduction of NOX with NH_3 at Low Temperature. 2014 , 53, 11601-11610		55
772	The Correlation of Interfacial Interaction and Catalytic Performance of N-Doped Mesoporous Carbon Supported Cobalt Nanoparticles for Fischer-Tropsch Synthesis. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 268-277	3.8	68
771	Application of Functional Hybrids Incorporating Carbon Nanotubes or Graphene. 2014 , 387-433		2
770	CF_4 synthesis catalyzed by activated carbon: a density functional theory study. 2014 , 118, 1918-26		2
769	Key role of persistent free radicals in hydrogen peroxide activation by biochar: implications to organic contaminant degradation. 2014 , 48, 1902-10		397
768	Versatile strategy for fabrication of polypropylene nanocomposites with inorganic network structures based on catalyzed in-situ sol-gel reaction during melt mixing. 2014 , 102, 120-125		13
767	Graphene oxide as an effective catalyst for wet air oxidation of phenol. 2014 , 280, 55-62		26
766	Dehydrochlorination of activated carbon-bound 1,1,2-tetrachloroethane: Implications for carbonaceous material-based soil/sediment remediation. <i>Carbon</i> , 2014 , 78, 578-588	10.4	22
765	Sodium dodecyl sulfate-assisted synthesis of hierarchically porous ZIF-8 particles for removing mercaptan from gasoline. 2014 , 256, 14-22		52
764	Metal-Free Carbon Catalysts for Oxidative Dehydrogenation Reactions. <i>ACS Catalysis</i> , 2014 , 4, 3212-3218	3.1	142
763	Noninnocent Nature of Carbon Support in Metal/Carbon Catalysts: Etching/Pitting vs Nanotube Growth under Microwave Irradiation. <i>ACS Catalysis</i> , 2014 , 4, 3806-3814	13.1	43

762	Modeling of Growth Morphology of CoreShell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24959-24966	3.8	9
761	Oxidized carbon/nano-SiC supported platinum nanoparticles as highly stable electrocatalyst for oxygen reduction reaction. 2014 , 39, 16310-16317		9
760	Hydrotreating of light gas oil using a NiMo catalyst supported on activated carbon produced from fluid petroleum coke. <i>Frontiers of Chemical Science and Engineering</i> , 2014 , 8, 161-170	4.5	6
759	Reasons for the Differences in the Kinetics of Thermal Oxidation of the Support in Pt/C Electrocatalysts. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23835-23844	3.8	14
758	Preparation of Palladium Catalysts Supported on Carbon Nanotubes by an Electrostatic Adsorption Method. 2014 , 6, 2600-2606		32
757	The progress in water gas shift and steam reforming hydrogen production technologies [A review]. 2014 , 39, 16983-17000		341
756	Enhancement of activity, selectivity and stability of CNTs-supported cobalt catalyst in FischerTropsch via CNTs functionalization. 2014 , 485, 133-142		45
755	Catalytic Oxidative Carbonylation over Cu ₂ O Nanoclusters Supported on Carbon Materials: The Role of the Carbon Support. 2014 , 6, 2671-2679		33
754	Effects of carbon support on microwave-assisted catalytic dehydrogenation of decalin. <i>Carbon</i> , 2014 , 67, 775-783	10.4	17
753	Functionalization of carbon xerogels for the preparation of palladium supported catalysts applied in sugar transformations. 2014 , 148-149, 424-435		17
752	Understanding the intrinsic water wettability of graphite. <i>Carbon</i> , 2014 , 74, 218-225	10.4	139
751	Chemically activated poly(furfuryl alcohol)-derived CMK-3 carbon catalysts for the oxidative dehydrogenation of ethylbenzene. <i>Catalysis Today</i> , 2014 , 235, 201-209	5.3	21
750	Preparation of activated carbon-metal oxide hybrid catalysts: textural characterization. 2014 , 126, 95-103		37
749	Carbon-supported Pd nanoparticles as catalysts for anthracene hydrogenation. 2014 , 116, 729-735		39
748	The effect of ZnO addition on Co/C catalyst for vapor and aqueous phase reforming of ethanol. <i>Catalysis Today</i> , 2014 , 233, 38-45	5.3	20
747	Hydrodynamics of Trickle Bed Reactors with Catalyst Support Particle Size Distributions. 2014 , 53, 9027-9034		9
746	Activation of a Carbon Support Through a Two-Step Wet Oxidation and Highly Active RutheniumActivated Carbon Catalysts for the Hydrogenation of Benzene. 2014 , 6, 572-579		19
745	Evaluation of various carbon materials supported Pt catalyts for aqueous-phase reforming of lignocellulosic biomass hydrolysate. 2014 , 39, 10135-10140		18

744	Interface effects in NaAlH ₄ /carbon nanocomposites for hydrogen storage. 2014 , 39, 10175-10183	14
743	Growth mechanism of N-doped graphene materials and their catalytic behavior in the selective oxidation of ethylbenzene. 2014 , 35, 922-928	26
742	Synthesis of carbon with bimodal porosity by simultaneous polymerization of furfuryl alcohol and phloroglucinol. 2014 , 196, 235-242	11
741	Carbon-based catalysts: Opening new scenario to develop next-generation nano-engineered catalytic materials. 2014 , 35, 783-791	35
740	Catalysis: An old but new challenge for graphene-based materials. 2014 , 35, 792-797	23
739	Activated carbon functionalized with Mn(II) Schiff base complexes as efficient alkene oxidation catalysts: Solid support matters. 2014 , 393, 8-17	39
738	Carbon mediated catalysis: A review on oxidative dehydrogenation. 2014 , 35, 824-841	67
737	Pd nanoparticles prepared by grafting of Pd complexes on phenol-functionalized carbon supports for liquid phase catalytic applications. 2014 , 474, 263-271	10
736	Simultaneous Photocatalytic Reduction and Removal of Cr(VI) on TiO ₂ Immobilized by ACF. 2014 , 17,	1
735	Progress in Synthesis of Highly Active and Stable Nickel-Based Catalysts for Carbon Dioxide Reforming of Methane. 2015 , 8, 3556-75	261
734	Microscopic, structural, and electrical characterization of the carbonaceous materials synthesized from various lignin feedstocks. 2015 , 132, n/a-n/a	14
733	Carbon Nanotubes as Support in the Platinum-Catalyzed Hydrolytic Dehydrogenation of Ammonia Borane. 2015 , 8, 2927-31	50
732	Towards Carbon-Neutral CO ₂ Conversion to Hydrocarbons. 2015 , 8, 4064-72	42
731	Fabrication of Fischer-Tropsch Catalysts by Deposition of Iron Nanocrystals on Carbon Nanotubes. 2015 , 25, 5309-5319	53
730	Preparation Method for Ruthenium Catalysts Supported by Carbon-Coated Aluminum Foams. 2015 , 38, 1353-1361	10
729	Chitin-Derived Mesoporous, Nitrogen-Containing Carbon for Heavy-Metal Removal and Styrene Epoxidation. 2015 , 80, 1556-1564	68
728	Propene Acetoxylation in the Liquid Phase-influence of Technological Parameters and Pretreatment of the Catalyst Support on the Course of the Process. 2015 , 18,	
727	Synthesis of Nickel Nanoparticles Supported on Carbon Using a Filter Paper as Biomorphic Pattern for Application in Catalysis. 2015 , 18, 1278-1283	1

726	Progress in the Characterization of the Surface Species in Activated Carbons by means of INS Spectroscopy Coupled with Detailed DFT Calculations. 2015 , 2015, 1-8		18
725	Accelerated Stress Testing by Rotating Disk Electrode for Carbon Corrosion in Fuel Cell Catalyst Supports. 2015 , 162, F783-F788		51
724	Activated Carbon Supported Palladium Nanoparticle Catalysts Synthesized by Atomic Layer Deposition: Genesis and Evolution of Nanoparticles and Tuning the Particle Size. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11544-11556	3.8	33
723	Effect of support surface treatment on the synthesis, structure, and performance of Co/CNT Fischer-Tropsch catalysts. 2015 , 328, 130-138		90
722	Effect of structural defects on activated carbon catalysts in catalytic wet peroxide oxidation of m-cresol. <i>Catalysis Today</i> , 2015 , 258, 120-131	5.3	32
721	Recent development in the preparation of nanoparticles as fuel cell catalysts. 2015 , 8, 89-97		21
720	Iridium-decorated multiwall carbon nanotubes and its catalytic activity with Shell 405 in hydrazine decomposition. 2015 , 17, 1		5
719	Hydrotreating of Gas Oil, Jatropha Oil, and Their Blends Using a Carbon Supported Cobalt-Molybdenum Catalyst. 2015 , 33, 1653-1659		7
718	Electrical conductivity of metal (hydr)oxide-activated carbon composites under compression. A comparison study. 2015 , 152, 113-122		7
717	Platinum supported on mesoporous carbon as cathode catalyst for direct methanol fuel cells. 2015 , 278, 458-463		32
716	Influence of oxide buffer layers on the growth of carbon nanotube arrays on carbon substrates. <i>Carbon</i> , 2015 , 87, 175-185	10.4	16
715	Catalysed thermal decomposition of KClO ₃ and carbon gasification. 2015 , 119, 831-835		6
714	Preparation of carbide-derived carbon supported platinum catalysts. <i>Catalysis Today</i> , 2015 , 249, 30-37	5.3	20
713	Influence of chemical treatments of activated carbon support on the performance and deactivation behavior of promoted Ru catalyst in ammonia synthesis. 2015 , 40, 3659-3671		14
712	Ruthenium nanoparticles supported over carbon thin film catalyst synthesized by pulsed laser deposition for hydrogen production from ammonia borane. 2015 , 495, 23-29		34
711	The functionalisation of graphite surfaces with nitric acid: Identification of functional groups and their effects on gold deposition. 2015 , 323, 10-18		50
710	Preparation of TiO ₂ /bamboo-charcoal-powder composite particles and their applications in dye-sensitized solar cells. 2015 , 26, 711-717		20
709	Ga and In promoters in bimetallic Pt based catalysts to improve the performance in the selective hydrogenation of citral. 2015 , 497, 58-71		15

708	Activated carbon xerogel-chitosan composite materials for catalytic wet peroxide oxidation under intensified process conditions. 2015 , 3, 1243-1251	22
707	CHAPTER 5:Nanostructured Carbon Materials as Catalysts. 2015 , 223-267	2
706	CHAPTER 1:Carbon (Nano)materials for Catalysis. 2015 , 1-45	11
705	Carbon-supported base metal nanoparticles: cellulose at work. 2015 , 8, 985-9	21
704	Characterization of nanoscale zero-valent iron supported on granular activated carbon and its application in removal of acrylonitrile from aqueous solution. 2015 , 55, 152-158	23
703	Mechanochemically driven iodination of activated charcoal for metal-free electrocatalyst for fuel cells and hybrid Li-air cells. <i>Carbon</i> , 2015 , 93, 465-472	10.4 9
702	Formation of catalytic active sites in iron modified activated carbons from agriculture residues. 2015 , 217, 87-95	11
701	Carbon supported Ru clusters prepared by pyrolysis of Ru precursor-impregnated biopolymer fibers. 2015 , 3, 20919-20926	9
700	Reactivity enhancement of gasification biochars for catalytic applications. 2015 , 159, 491-499	31
699	Synthesis and functionalization of green carbon as a Pt catalyst support for the oxygen reduction reaction. 2015 , 40, 17253-17263	10
698	Cobalt catalysts embedded in N-doped carbon derived from cobalt porphyrin via a one-pot method for ethylbenzene oxidation. 2015 , 408, 91-97	42
697	Carbon supported gold and silver: Application in the gas phase hydrogenation of m-dinitrobenzene. 2015 , 408, 138-146	11
696	Guaiacol hydrodeoxygenation reaction catalyzed by highly dispersed, single layered MoS ₂ /C. 2015 , 5, 4422-4432	58
695	Preparation and Microstructural Characterization of Activated Carbon-Metal Oxide Hybrid Catalysts: New Insights into Reaction Paths. 2015 , 31, 806-814	22
694	Low temperature H ₂ production from ammonia using ruthenium-based catalysts: Synergetic effect of promoter and support. 2015 , 172-173, 129-135	101
693	Graphite-supported ultra-small copper nanoparticles [Preparation, characterization and catalysis applications. <i>Carbon</i> , 2015 , 93, 974-983	10.4 43
692	Semi-carbonized nanostructures of carbohydrate for highly efficient photocatalysts. 2015 , 5, 58220-58227	1
691	CHAPTER 1:The Search for Functional Porous Carbons from Sustainable Precursors. 2015 , 3-49	4

690	Easy method to prepare N-doped carbon nanotubes by ball milling. <i>Carbon</i> , 2015 , 91, 114-121	10.4	86
689	Adsorption Pollution Leather Tanning Industry Wastewater by Chitosan Coated Coconut Shell Active Charcoal. 2015 , 3, 241-247		12
688	Carbon-supported Pt-based alloy electrocatalysts for the oxygen reduction reaction in polymer electrolyte membrane fuel cells: particle size, shape, and composition manipulation and their impact to activity. 2015 , 115, 3433-67		907
687	Photodegradation of dyes by a novel TiO ₂ /u-RuO ₂ /GNS nanocatalyst derived from Ru/GNS after its use as a catalyst in the aerial oxidation of primary alcohols (GNS = graphene nanosheets). 2015 , 115, 759-772		16
686	Oxidative coupling of aniline and desulfurization over nitrogen rich mesoporous carbon. 2015 , 5, 3632-3638		24
685	The effect of the mechanical activation dose on the defective structure of artificial graphite. 2015 , 77, 125-134		5
684	Activated-carbon-supported KCoMo catalysts for synthesis of higher alcohols from syngas. 2015 , 5, 2925-2934		64
683	Highly dispersed buckybowl as model carbocatalysts for C-H bond activation. 2015 , 3, 8667-8675		2
682	Shaped Carbons As Supports for the Catalytic Conversion of Syngas to Clean Fuels. <i>ACS Catalysis</i> , 2015 , 5, 2640-2658	13.1	115
681	Carbothermal synthesis of metal-functionalized nanostructures for energy and environmental applications. 2015 , 3, 13114-13188		156
680	Activated carbons from waste biomass and low rank coals as catalyst supports for hydrogen production by methanol decomposition. 2015 , 137, 139-147		31
679	Functional group changes of polyacrylonitrile fibres during their oxidative, carbonization and electrochemical treatment. 2015 , 50, 4547-4564		27
678	Adsorption characteristics of propan-2-ol vapours on activated carbon Sorbonorit 4 in electrothermal temperature swing adsorption process. 2015 , 21, 87-98		16
677	Multiple roles of graphene in heterogeneous catalysis. 2015 , 44, 3023-35		271
676	Impedance approach to activity of hydrogen evolution reaction on spatially heterogeneous GC electrode surfaces: metal free vs. Ru catalysed case. 2015 , 167, 455-469		7
675	Recycled carbon (RC) materials made functional: An efficient heterogeneous Mn-RC catalyst. 2015 , 403, 84-92		12
674	Effects of the carbon support nature and ruthenium content on the performances of Ru/C catalysts in the liquid-phase hydrogenation of benzaldehyde to benzyl alcohol. 2015 , 146, 923-930		9
673	Trends in the Intensification of the Fenton Process for Wastewater Treatment: An Overview. 2015 , 45, 2611-2692		148

- 672 Investigation of co-effect of 12-tungstophosphoric heteropolyacid, nickel citrate and carbon-coated alumina in preparation of NiW catalysts for HDS, HYD and HDN reactions. **2015**, 176-177, 374-384 46
- 671 Synthesis of CNT@MIL-68(Al) composites with improved adsorption capacity for phenol in aqueous solution. **2015**, 275, 134-141 84
- 670 Carbonaceous materials as catalyst supports for the enantioselective hydrogenation of (E)- β -phenylcinnamic acid: Effect of the support acidity. **2015**, 505, 319-325 12
- 669 Adsorption of Thiophenic Compounds by OFG-Tailored Fiber and Activated Carbons. **2015**, 150610065745006 1
- 668 Iodinated Charcoal as Electrocatalyst for Oxygen Reduction Reaction. **2015**, 749, 36-40
- 667 Noble Metal/CNT Based Catalysts in NH₃ and EtOH Assisted SCR of NO. **2015**, 58, 984-992 5
- 666 Density functional theory study of CH₄ synthesis over activated carbon catalyst. **2015**, 21, 235
- 665 Activated carbon from waste biomass as catalyst support: formation of active phase in copper and cobalt catalysts for methanol decomposition. **2015**, 22, 1127-1136 16
- 664 Factors Influencing Hydrogenation and Decomposition of H₂O₂ Over Pd/Au Catalysts Supported on Activated Carbon Cloth (ACC). **2015**, 58, 1019-1035
- 663 Conversion of Natural Tannin to Hydrothermal and Graphene-Like Carbons Studied by Wide-Angle X-ray Scattering. **2015**, 119, 8692-701 19
- 662 Facile and green cinchonidine-assisted synthesis of ultrafine and well-dispersed palladium nanoparticles supported on activated carbon with high catalytic performance. **2015**, 5, 75272-75280 2
- 661 Molten salt synthesis of nitrogen-doped porous carbons for hydrogen sulfide adsorptive removal. *Carbon*, **2015**, 95, 852-860 10.4 47
- 660 Control of the spatial homogeneity of pore surface chemistry in particulate activated carbon. *Carbon*, **2015**, 95, 144-149 10.4 13
- 659 Temperature dependence of dc electrical conductivity of activated carbon/metal oxide nanocomposites. Some insight into conduction mechanisms. **2015**, 87, 259-270 13
- 658 Enhanced catalytic activity of palladium nanoparticles confined inside porous carbon in methanol electro-oxidation. **2015**, 17, 1572-1580 27
- 657 Direct hydroxylation of benzene to phenol using H₂O₂ as an oxidant over vanadium-containing mesoporous carbon catalysts. **2015**, 504, 440-447 28
- 656 Development of glycerol-based metal-free carbon materials for environmental catalytic applications. *Catalysis Today*, **2015**, 240, 61-66 5-3 28
- 655 Effect of activated carbon surface chemistry on the activity of ZVI/AC catalysts for Fenton-like oxidation of phenol. *Catalysis Today*, **2015**, 240, 73-79 5-3 31

654	Nitrogen-doped carbon xerogels as catalysts for advanced oxidation processes. <i>Catalysis Today</i> , 2015 , 241, 73-79	5-3	40
653	Factors affecting catalytic destruction of H ₂ O ₂ by hydrogenation and decomposition over Pd catalysts supported on activated carbon cloth (ACC). <i>Catalysis Today</i> , 2015 , 248, 69-79	5-3	19
652	Promotional effects of Au in Pd/Au bimetallic catalysts supported on activated carbon cloth (ACC) for direct synthesis of H ₂ O ₂ from H ₂ and O ₂ . <i>Catalysis Today</i> , 2015 , 248, 58-68	5-3	19
651	Acid treated carbon nanofibers as catalytic support for heavy oil hydroprocessing. <i>Catalysis Today</i> , 2015 , 249, 79-85	5-3	9
650	Sustainable carbon materials. 2015 , 44, 250-90		826
649	Effect of the nature of carbon support on the formation of active sites in Pd/C and Ru/C catalysts for hydrogenation of furfural. <i>Catalysis Today</i> , 2015 , 249, 145-152	5-3	75
648	Study on active coke-based adsorbents for SO ₂ removal in flue gas. 2015 , 90, 1876-1885		7
647	Ni-MoS ₂ supported on carbon nanofibers as hydrogenation catalysts: Effect of support functionalisation. <i>Carbon</i> , 2015 , 81, 574-586	10.4	31
646	Adsorption of a Textile Dye on Commercial Activated Carbon: A Simple Experiment To Explore the Role of Surface Chemistry and Ionic Strength. 2015 , 92, 143-147		25
645	Temperature dependence of the electrical conductivity of activated carbons prepared from vine shoots by physical and chemical activation methods. 2015 , 209, 90-98		35
644	Synthesis of carbon nanofibers on impregnated powdered activated carbon as cheap substrate. 2016 , 9, 532-536		11
643	Modification of Activated Carbon Using Microwave Radiation and Its Effects on the Adsorption of SO ₂ . 2016 , 49, 52-59		4
642	Elemental Mercury Capture Using Activated Carbon: A Review. 2016 , 6,		11
641	Tailored N-Containing Carbons as Catalyst Supports in Alcohol Oxidation. 2016 , 9,		5
640	A Green Approach to High-Performance Supercapacitor Electrodes: The Chemical Activation of Hydrochar with Potassium Bicarbonate. 2016 , 9, 1880-8		124
639	Candle Soot as Efficient Support for Proton Exchange Membrane Fuel Cell Catalyst. 2016 , 16, 652-655		16
638	Promoting catalytic ozonation of phenol over graphene through nitrogenation and CoO compositing. 2016 , 50, 38-48		17
637	Polymer-Based Spherical Activated Carbon as Easy-to-Handle Catalyst Support for Hydrogenation Reactions. 2016 , 39, 276-284		17

- 636 Particle size distribution and morphological changes in activated carbon-metal oxide hybrid catalysts prepared under different heating conditions. **2016**, 261, 227-42 5
- 635 Extension of gas adsorption models to liquid diesel fuel desulfurization: Validity and predictability. **2016**, 34, 1826-1832
- 634 Are Graphitic Surfaces Hydrophobic?. **2016**, 49, 2765-2773 95
- 633 129 Xe NMR studies of morphology and accessibility in porous biochar from almond shells. **2016**, 6, 103803-103810
- 632 Highly active N-doped carbon nanotubes prepared by an easy ball milling method for advanced oxidation processes. **2016**, 192, 296-303 73
- 631 Improved Durability of Electrocatalyst Based on Coating of Carbon Black with Polybenzimidazole and their Application in Polymer Electrolyte Fuel Cells. **2016**, 8, 14494-502 22
- 630 Hierarchically porous carbon foams from pickering high internal phase emulsions. *Carbon*, **2016**, 101, 253-260 10.4 74
- 629 Effect of the surface oxidation of carbon nanotubes on the selective cyclization of citronellal. **2016**, 524, 25-31 10
- 628 Effect of Pretreatment on Physicochemical Properties and Performance of Multiwalled Carbon Nanotube Supported Cobalt Catalyst for Fischer-Tropsch Synthesis. **2016**, 55, 6049-6059 32
- 627 Gold nanoparticles encapsulated in hierarchical porous polycarbazole: preparation and application in catalytic reduction. **2016**, 6, 48543-48549 16
- 626 Efficient valorization of biomass to biofuels with bifunctional solid catalytic materials. **2016**, 55, 98-194 181
- 625 Zinc ferrites hosted in activated carbon from waste precursors as catalysts in methanol decomposition. **2016**, 229, 59-67 10
- 624 Preparation of flower-like TiO₂ sphere/reduced graphene oxide composites for photocatalytic degradation of organic pollutants. **2016**, 239, 91-98 47
- 623 Oxidative Dehydrogenation of Ethylbenzene Over Poly(furfuryl alcohol)-Derived CMK-1 Carbon Replica. **2016**, 146, 1231-1241 5
- 622 Plasma Catalytic Synthesis of Ammonia Using Functionalized-Carbon Coatings in an Atmospheric-Pressure Non-equilibrium Discharge. **2016**, 36, 917-940 55
- 621 A Simple Method for the Fabrication of Metallic Copper Nanospheres-Decorated Cellulose Nanofiber Composite. **2016**, 32, 605-610 3
- 620 Catalytic activity of unsupported Pd-Pt nanoalloys with low Pt content towards formic acid oxidation. **2016**, 192, 304-310 31
- 619 The evolution of hierarchical porosity in self-templated nitrogen-doped carbons and its effect on oxygen reduction electrocatalysis. **2016**, 6, 80398-80407 33

618	Selective direct hydroxylation of benzene to phenol with hydrogen peroxide by iron and vanadyl based homogeneous and heterogeneous catalysts. 2016 , 6, 8166-8176		36
617	Electrochemical Properties of an Atomically Dispersed Platinum Catalyst Formed on a Heat-treated Carbon Support. 2016 , 1, 3189-3196		3
616	Effect of the pH of the preparation medium on the microstructure and electrocatalytic activity of carbon nanotubes decorated with PtSn nanoparticles for use in methanol oxidation. 2016 , 31, 293-300		2
615	Effect of carbon supports on RhRe bifunctional catalysts for selective hydrogenolysis of tetrahydropyran-2-methanol. 2016 , 6, 7841-7851		20
614	Graphene-Based Metal-Free Catalysts for Catalytic Reactions in the Liquid Phase. <i>ACS Catalysis</i> , 2016 , 6, 6948-6958	13.1	82
613	Carbon Dioxide Adsorption on Sawdust Biochar. 2016 , 148, 718-725		52
612	Pt cluster on OH- and COOH-functionalised graphene as a model for Pt/C-catalysts. 2016 , 18, 25693-25704		6
611	The removal of chlorophenols from aqueous solutions using activated carbon adsorption integrated with H ₂ O ₂ oxidation. 2016 , 119, 19-34		30
610	Formation and composition of adsorbates on hydrophobic carbon surfaces from aqueous laccase-maltodextrin mixture suspension. 2016 , 385, 216-224		9
609	Carbon fibre production during hydrogen plasma etching of diamond films. 2016 , 6, 64421-64427		4
608	Transmission Electron Microscopy on Au-Based Catalysts. 2016 , 153-188		
607	The influence of carbon surface chemistry on supported palladium nanoparticles in heterogeneous reactions. 2016 , 480, 175-183		13
606	New hybrid materials based on the grafting of Pd(II)-amino complexes on the graphitic surface of AC: preparation, structures and catalytic properties. 2016 , 6, 58247-58259		7
605	CO ₂ hydrogenation to methanol using Cu-Zn catalyst supported on reduced graphene oxide nanosheets. 2016 , 16, 104-113		79
604	Liquid Phase Furfural Hydrotreatment to 2-Methylfuran on Carbon Supported Nickel Catalyst - Effect of Process Conditions. 2016 , 1, 5363-5373		6
603	Effects of calcination and activation conditions on ordered mesoporous carbon supported iron catalysts for production of lower olefins from synthesis gas. 2016 , 6, 8464-8473		30
602	Nanocarbon Hybrid Materials. 2016 , 625-646		
601	Enhanced Chemoselective Hydrogenation through Tuning the Interaction between Pt Nanoparticles and Carbon Supports: Insights from Identical Location Transmission Electron Microscopy and X-ray Photoelectron Spectroscopy. <i>ACS Catalysis</i> , 2016 , 6, 7844-7854	13.1	119

600	Comparative Study of the Catalytic Activities of Three Distinct Carbonaceous Materials through Photocatalytic Oxidation, CO Conversion, Dye Degradation, and Electrochemical Measurements. 2016 , 6, 35500	5
599	First principles computational study on the adsorption mechanism of organic methyl iodide gas on triethylenediamine impregnated activated carbon. 2016 , 18, 32050-32056	21
598	Proton exchange membrane fuel cell reversible performance loss induced by carbon monoxide produced during operation. 2016 , 324, 492-498	18
597	Hydroprocessing of Aromatics Using Sulfide Catalysts Supported on Ordered Mesoporous Phenol/Formaldehyde Polymers. 2016 , 26, 1253-1258	12
596	Phenols and anilines degradation by permanganate in the absence/presence of carbon nanotubes: Oxidation and dehalogenation. 2016 , 170, 344-352	7
595	Kinetic, mechanistic and thermodynamic studies of removal of arsenic using <i>Bacillus arsenicus</i> MTCC 4380 immobilized on surface of granular activated carbon/MnFe ₂ O ₄ composite. 2016 , 2-3, 53-72	5
594	Zinc-salt templating of hierarchical porous carbons for low electrolyte high energy lithium-sulfur batteries (LE-LiS). <i>Carbon</i> , 2016 , 107, 705-710	10.4 23
593	Influence of the support on PtSn electrocatalysts behavior: Ethanol electro-oxidation performance and in-situ ATR-FTIRS studies. 2016 , 193, 170-179	18
592	Contact Angle Hysteresis on Graphene Surfaces and Hysteresis-free Behavior on Oil-infused Graphite Surfaces. 2016 , 385, 153-161	25
591	Synthesis of poly(lactic acid) by heterogeneous acid catalysis from d,l-lactic acid. 2016 , 23, 1	9
590	The effect of iron catalyzed graphitization on the textural properties of carbonized cellulose: Magnetically separable graphitic carbon bodies for catalysis and remediation. <i>Carbon</i> , 2016 , 107, 248-260 ^{10.4}	59
589	Production of activated carbon materials from kenaf biomass to be used as catalyst support in aqueous-phase reforming process. 2016 , 151, 59-63	23
588	In Situ Enhancement of Flow-through Porous Electrodes with Carbon Nanotubes via Flowing Deposition. 2016 , 206, 36-44	15
587	Characterization of oxidized carbon foil as a low-cost alternative to carbon felt-based electrodes in bioelectrochemical systems. 2016 , 46, 217-227	8
586	Development of heterogeneous acid catalysts produced from the carbonization of <i>Miscanthus x giganteus</i> for the esterification of butyric acid to butyl butyrate with n-butanol. 2016 , 91, 2076-2084	12
585	Catalytic wet peroxide oxidation of phenol using nanoscale zero-valent iron supported on activated carbon. 2016 , 57, 5155-5164	11
584	Catalytic wet peroxide oxidation: a route towards the application of hybrid magnetic carbon nanocomposites for the degradation of organic pollutants. A review. 2016 , 187, 428-460	113
583	Petcoke-derived functionalized activated carbon as support in a bifunctional catalyst for tire oil hydroprocessing. 2016 , 144, 239-247	22

582	Sulfur tolerant CoMo catalysts supported on carbon materials for sour gas shift process □ Effect of support modification. 2016 , 144, 305-311	6
581	Molecular structures driving pseudo-capacitance in hydrothermal nanostructured carbons. 2016 , 6, 12964-12976	6
580	Effects of KOH activation on surface area, porosity and desalination performance of coconut carbon electrodes. 2016 , 57, 2195-2202	11
579	Surface and Catalytical effects on Treated Carbon Materials for Hydrogen Peroxide Electrogeneration. 2016 , 7, 60-69	26
578	Enhanced performance in phenol removal from aqueous solutions by a buoyant composite photocatalyst prepared with a two-layered configuration on polypropylene substrate. 2016 , 4, 230-239	14
577	Controlling the Pyrolysis Conditions of Microporous/Mesoporous MIL-125 To Synthesize Porous, Carbon-Supported Ti Catalysts with Targeted Ti Phases for the Oxidation of Dibenzothiophene. 2016 , 30, 594-602	40
576	Surface area characteristics of furfuryl-alcohol-derived inverse opal carbons produced from silica inverse opal templates. 2016 , 51, 2573-2584	3
575	Electrochemical Evaluation of Pt-Based Binary Catalysts on Various Supports for the Direct Methanol Fuel Cell. 2016 , 7, 1-12	21
574	One-pot oxidation of cellobiose to gluconic acid. Unprecedented high selectivity on bifunctional gold catalysts over mesoporous carbon by integrated texture and surface chemistry optimization. 2016 , 184, 381-396	42
573	Large and porous carbon sheets derived from water hyacinth for high-performance supercapacitors. 2016 , 6, 29996-30003	35
572	Coal tar residues based activated carbon: preparation and characterization. 2016 , 63, 166-169	10
571	Effect of surface oxygen functionalization of carbon support on the activity and durability of Pt/C catalysts for the oxygen reduction reaction. <i>Carbon</i> , 2016 , 101, 449-457	10.4 86
570	Gas phase electrocatalytic conversion of CO ₂ to syn-fuels on Cu based catalysts-electrodes. 2016 , 188, 272-282	67
569	Design and preparation of a simple and effective palladium catalyst and the hydrogenation performance toward dibenzylbiotinmethylester. 2016 , 470, 56-61	4
568	Metal-supported carbon-based materials: opportunities and challenges in the synthesis of valuable products. 2016 , 6, 1265-1291	107
567	¹²⁹ Xenon NMR: Review of recent insights into porous materials. 2016 , 225, 41-65	50
566	A general view on the reactivity of the oxygen-functionalized graphene basal plane. 2016 , 18, 6580-6	41
565	Activated Carbon and Adsorption. 2016 ,	3

564	Three-dimensional bicontinuous porous graphite generated in low temperature metallic liquid. <i>Carbon</i> , 2016 , 96, 403-410	10.4	49
563	cis,cis-Muconic acid: separation and catalysis to bio-adipic acid for nylon-6,6 polymerization. 2016 , 18, 3397-3413		109
562	When CuAAC 'Click Chemistry' goes heterogeneous. 2016 , 6, 923-957		109
561	A new strategy of spray pyrolysis to prepare porous carbon nanosheets with enhanced ionic sorption capacity. 2016 , 6, 1686-1693		7
560	Deducing kinetic constants for the hydrodechlorination of 4-chlorophenol using high adsorption capacity catalysts. 2016 , 285, 228-235		34
559	Adsorption characteristics of Congo red on carbonized leonardite. 2016 , 134, 506-514		53
558	Tailoring the surface-oxygen defects of a tin dioxide support towards an enhanced electrocatalytic performance of platinum nanoparticles. 2016 , 18, 5932-7		12
557	Application of granular activated carbon/MnFeO _x composite immobilized on <i>C. glutamicum</i> MTCC 2745 to remove As(III) and As(V): Kinetic, mechanistic and thermodynamic studies. 2016 , 153, 298-314		20
556	Steam reforming of crude glycerol over nickel supported on activated carbon. 2017 , 141, 79-84		39
555	Highly Efficient and Selective Catalytic Synthesis of Quinolines Involving Transition-Metal-Doped Carbon Aerogels. 2017 , 9, 1422-1428		19
554	Liquid Phase Furfural Hydrotreatment to 2-Methylfuran with Carbon Supported Copper, Nickel, and Iron Catalysts. 2017 , 2, 51-60		15
553	Superiority of Activated Carbon versus MCM-41 for the Immobilization of Molybdenum Dithiocarbamate Complex as Heterogeneous Epoxidation Catalyst. 2017 , 2, 1163-1169		5
552	Structure-activity relationships of carbon-supported platinum-bismuth and platinum-antimony oxidation catalysts. 2017 , 348, 47-58		6
551	The influence of catalyst factors for sustainable production of hydrocarbons via Fischer-Tropsch synthesis. 2017 , 33,		8
550	Carbokatalyse in Flüssigphasenreaktionen. 2017 , 129, 956-985		30
549	Role of activated carbon surface chemistry in its photocatalytic activity and the generation of oxidant radicals under UV or solar radiation. 2017 , 207, 412-423		63
548	Carbon Dioxide Adsorption Using High Surface Area Activated Carbons from Local Coals Modified by KOH, NaOH and ZnCl ₂ Agents. 2017 , 15,		14
547	The continuous synthesis of Pd supported on Fe ₃ O ₄ nanoparticles: a highly effective and magnetic catalyst for CO oxidation. 2017 , 6,		4

546	Highly Efficient Carbon Dioxide Hydrogenation to Methanol Catalyzed by Zigzag Platinum-Cobalt Nanowires. 2017 , 13, 1604311		25
545	Protein adsorption and activity on carbon xerogels with narrow pore size distributions covering a wide mesoporous range. <i>Carbon</i> , 2017 , 118, 743-751	10.4	12
544	Effect of nanosized CeO ₂ or ZnO loading on adsorption and catalytic properties of activated carbon. 2017 , 35, 774-788		13
543	Interaction of the Helium, Hydrogen, Air, Argon, and Nitrogen Bubbles with Graphite Surface in Water. 2017 , 9, 17517-17525		10
542	A High-Throughput Composite Catalyst based on Nickel Carbon Cubes for the Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran. 2017 , 9, 3388-3394		22
541	Work function modifications of graphite surface via oxygen plasma treatment. 2017 , 419, 439-446		21
540	Effect of surface oxygen functionalities on capacitance of activated carbon in non-aqueous electrolyte. 2017 , 21, 2029-2036		10
539	Preparation and desulfurization kinetics of activated carbons from semi-coke of coal liquefaction residual. 2017 , 129, 1593-1603		10
538	Functionalized Natural Carbon-Supported Nanoparticles as Excellent Catalysts for Hydrocarbon Production. 2017 , 12, 366-371		7
537	Kinetic studies of methanol dehydrogenation. Part III: carbon-supported copper catalysts. 2017 , 122, 385-398		6
536	Characterization and controlled combustion of carbonaceous deactivating species deposited on an activated carbon-based catalyst. 2017 , 327, 454-464		32
535	Creating an Optimal Microenvironment within Mesoporous Silica MCM-41 for Capture of Tobacco-Specific Nitrosamines in Solution. 2017 , 9, 26805-26817		13
534	Fischer-Tropsch Synthesis: Influence of Acid Treatment and Preparation Method on Carbon Nanotube Supported Ruthenium Catalysts. 2017 , 56, 6408-6418		11
533	Influence of the surface functionalization conditions on the properties of carbon fibers and supported palladium. 2017 , 90, 225-235		
532	Palladium Promoted Production of Higher Amines from a Lower Amine Feedstock. 2017 , 147, 803-810		2
531	Activated carbon-mediated base hydrolysis of alkyl bromides. 2017 , 211, 68-78		9
530	Biochar as a Catalyst. 2017 , 77, 70-79		320
529	Red-blood-cell like nitrogen-doped carbons with highly catalytic activity towards oxygen reduction reaction. 2017 , 28, 748-754		15

528	Structural elucidation of physical and chemical activation mechanisms based on the microdomain structure model. <i>Carbon</i> , 2017 , 114, 98-105	10.4	60
527	Metal-free synthesis of quinolines catalyzed by carbon aerogels: Influence of the porous texture and surface chemistry. 2017 , 314, 488-497		19
526	Cellulose nanocrystal-derived hollow mesoporous carbon spheres and their application as a metal-free catalyst. 2017 , 28, 505606		5
525	Application of biochar-based catalysts in biomass upgrading: a review. 2017 , 7, 48793-48805		88
524	High-Performance Magnetic Activated Carbon from Solid Waste from Lignin Conversion Processes. 2. Their Use as NiMo Catalyst Supports for Lignin Conversion. 2017 , 5, 11226-11237		15
523	A high-performance mesoporous carbon supported nitrogen-doped carbon electrocatalyst for oxygen reduction reaction. 2017 , 28, 485701		10
522	Characterization of coal char surface behavior after a heterogeneous oxidative treatment. 2017 , 210, 154-164		16
521	A New Energy-Saving Catalytic System: Carbon Dioxide Activation by a Metal/Carbon Catalyst. 2017 , 10, 3671-3678		7
520	The effect of surface chemistry on the performances of Pd-based catalysts supported on activated carbons. 2017 , 7, 4162-4172		13
519	Synthesis and characterization of iron-cobalt (FeCo) alloy nanoparticles supported on carbon. 2017 , 725, 1210-1216		18
518	Atmospheric oxidation of pyrite with a novel catalyst and ultra-high elemental sulphur yield. 2017 , 173, 156-169		8
517	Activity and Reactivity of Pyrogenic Carbonaceous Matter toward Organic Compounds. 2017 , 51, 8893-8908		137
516	Polystyrene supported palladium nanoparticles catalyzed cinnamic acid synthesis using maleic anhydride as a substitute for acrylic acid. 2017 , 7, 3692-3697		10
515	Preparation and characterization of microporous carbon spheres from high amylose pea maltodextrin. 2017 , 7, 36117-36123		15
514	Carbon cryogel from resorcinol formaldehyde: tuning of processing steps and activation for use in supercapacitor. 2017 , 32, 744-754		10
513	Role of pyrolysis reaction temperature and heating-rate in the growth and morphology of carbon nanostructures. 2017 , 12, 229-238		36
512	Monte Carlo study of chemical reaction equilibria in pores of activated carbons. 2017 , 7, 53667-53679		6
511	Hydrogen production by catalytic methane decomposition: Carbon materials as catalysts or catalyst supports. 2017 , 42, 19755-19775		78

510	Characterization of Cobalt Catalysts on Biomass-Derived Carbon Supports. 2017 , 60, 1415-1428		9
509	Preparation of Novel Fe Catalysts from Industrial By-Products: Catalytic Wet Peroxide Oxidation of Bisphenol A. 2017 , 60, 1387-1400		4
508	Degradation of p-Nitrophenol by Lignin and Cellulose Chars: HO-Mediated Reaction and Direct Reaction with the Char. 2017 , 51, 8972-8980		80
507	Enhanced electrochemical performance of straw-based porous carbon fibers for supercapacitor. 2017 , 21, 3449-3458		13
506	Comprehensive Understanding of the Effects of Carbon Nanostructures on Redox Catalytic Properties and Stability in Oxidative Dehydrogenation. <i>ACS Catalysis</i> , 2017 , 7, 5257-5267	13.1	17
505	Understanding the role of oxygen surface groups: The key for a smart ruthenium-based carbon-supported heterogeneous catalyst design and synthesis. 2017 , 544, 66-76		8
504	Carbon-containing catalysts for the hydroprocessing of oil fractions: A review. 2017 , 9, 110-121		5
503	Liquid-phase hydrogenation of benzaldehyde over Pd-Ru/C catalysts: Synergistic effect between supported metals. <i>Catalysis Today</i> , 2017 , 279, 2-9	5.3	36
502	Carbocatalysis in Liquid-Phase Reactions. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 936-964	16.4	172
501	Activated vs. pyrolytic carbon as support matrix for chemical functionalization: Efficient heterogeneous non-heme Mn(II) catalysts for alkene oxidation with H ₂ O ₂ . 2017 , 426, 516-525		20
500	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> , 2017 , 111, 150-161	10.4	43
499	Novel fabrication of copper oxides on AC and its enhanced catalytic performance on oxidative carbonylation of methanol. 2017 , 28, 70-74		10
498	Carbide-derived carbon aerogels with tunable pore structure as versatile electrode material in high power supercapacitors. <i>Carbon</i> , 2017 , 113, 283-291	10.4	155
497	Catalytic Performance of Graphite Oxide Supported Au Nanoparticles in Aerobic Oxidation of Benzyl Alcohol: Support Effect. 2017 , 30, 90-96		3
496	Catalytic Performance of Co ₃ O ₄ on Different Activated Carbon Supports in the Benzyl Alcohol Oxidation. <i>Catalysts</i> , 2017 , 7, 384	4	20
495	Monoliths: A Review of the Basics, Preparation Methods and Their Relevance to Oxidation. <i>Catalysts</i> , 2017 , 7, 62	4	109
494	Tuning of Activated Carbon for Solvent-Free Oxidation of Cyclohexane. 2017 , 2017, 1-8		1
493	Mechanochemistry-assisted synthesis of hierarchical porous carbons applied as supercapacitors. 2017 , 13, 1332-1341		19

492	Modification of Salt-Templated Carbon Surface Chemistry for Efficient Oxidation of Glucose with Supported Gold Catalysts. 2018 , 10, 2458-2465		9
491	Beware of Doping: Ta ₂ O ₅ Nanotube Photocatalyst Using CNTs as Hard Templates. 2018 , 1, 1259-1267		2
490	Laser Sintering of Printed Anodes for Al-Air Batteries. 2018 , 165, A584-A592		31
489	Pyrolytic carbon supported alloying metal dichalcogenides as free-standing electrodes for efficient hydrogen evolution. <i>Carbon</i> , 2018 , 132, 512-519	10.4	15
488	Functionalized carbon dot adorned coconut shell char derived green catalysts for the rapid synthesis of amidoalkyl naphthols. 2018 , 520, 70-80		18
487	Hydrogenation of Anthracene and Dehydrogenation of Perhydroanthracene on Pt/C Catalysts. 2018 , 92, 663-668		3
486	Carbon nanotubes as catalyst support in chemical vapor deposition reaction: A review. 2018 , 65, 1-12		51
485	The Concept of "Noble, Heteroatom-Doped Carbons," Their Directed Synthesis by Electronic Band Control of Carbonization, and Applications in Catalysis and Energy Materials. 2018 , 30, e1706836		102
484	Hydrocracking of Vacuum Gasoil on NiMo/AAS-Al ₂ O ₃ Catalysts Prepared from Citric Acid: Effect of the Catalyst Heat Treatment Temperature. 2018 , 10, 29-40		2
483	Influence of electron acceptor and carrier in amorphous TiO ₂ upon the photocatalytic degradation of methylene orange. 2018 , 5, 045051		3
482	Carbon catalysts for electrochemical hydrogen peroxide production in acidic media. 2018 , 272, 192-202		41
481	Thermal Transformations of Polymeric Metal Chelates and Their Precursors in Nanocomposites Formation. 2018 , 899-1007		1
480	A facile self-assembly approach to prepare palladium/carbon nanotubes catalyst for the electro-oxidation of ethanol. 2018 , 5, 025013		2
479	Preparation of ordered mesoporous carbon material based on poly-dopamine and its application in selective enrichment of N-linked glycans. 2018 , 10, 775-782		3
478	Developing strategies for the preparation of Co-carbon catalysts involved in the free solvent selective synthesis of aza-heterocycles. <i>Molecular Catalysis</i> , 2018 , 445, 223-231	3.3	7
477	Ameliorative role of genistein against age-dependent chronic arsenic toxicity in murine brains via the regulation of oxidative stress and inflammatory signaling cascades. 2018 , 55, 26-40		30
476	Carbon foams from emulsion-templated reduced graphene oxide polymer composites: electrodes for supercapacitor devices. 2018 , 6, 1840-1849		57
475	An Efficient Metal-Free Catalyst for Oxidative Dehydrogenation Reaction: Activated Carbon Decorated with Few-Layer Graphene. 2018 , 11, 536-541		9

474	Morphology and dispersion of nanostructured manganese-cobalt spinel on various carbon supports: the effect on the oxygen reduction reaction in alkaline media. 2018 , 8, 642-655		21
473	Optimization of the Pore Structure of Biomass-Based Carbons in Relation to Their Use for CO Capture under Low- and High-Pressure Regimes. 2018 , 10, 1623-1633		93
472	Tunable Catalytic Performance of Single Pt Atom on Doped Graphene in Direct Dehydrogenation of Propane by Rational Doping: A Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1570-1576	3.8	42
471	Activated carbon from Bulgarian peach stones as a support of catalysts for methanol decomposition. 2018 , 109, 135-146		25
470	Energy-efficient dehydrogenation of methanol in a membrane reactor: a mathematical modeling. 2018 , 72, 2617-2629		4
469	Reversible hydrogenation-dehydrogenation reactions of meta-terphenyl on catalysts with various supports. 2018 , 67, 28-32		4
468	Development and validation of a finite-rate model for carbon oxidation by atomic oxygen. <i>Carbon</i> , 2018 , 137, 313-332	10.4	20
467	Attachment of Iron Oxide Nanoparticles to Carbon Nanotubes and the Consequences for Catalysis. 2018 , 10, 3388-3391		8
466	Heterogeneous liquid phase oxidation of ethylbenzene to acetophenone with graphene carbon-based catalyst. 2018 , 72, 2203-2214		3
465	Effect of surface hydrophilization on Pt/Sibunit catalytic activity in bicyclohexyl dehydrogenation in hydrogen storage application. 2018 , 43, 6191-6196		15
464	Influence of operational parameters on photocatalytic amitrole degradation using nickel organic xerogel under UV irradiation. 2018 , 11, 564-572		10
463	Influence of gold particle size in Au/C catalysts for base-free oxidation of glucose. <i>Catalysis Today</i> , 2018 , 306, 183-190	5.3	37
462	Carbons from second generation biomass as sustainable supports for catalytic systems. <i>Catalysis Today</i> , 2018 , 301, 239-243	5.3	22
461	Removal of mercury from natural gas by a new activated adsorbent from olive stones. 2018 , 96, 241-249		3
460	Porous carbon monoliths with pore sizes adjustable between 10 nm and 2 μm prepared by phase separation [New insights in the relation between synthesis composition and resulting structure. 2018 , 255, 271-280		13
459	The removal of chlorinated aliphatic hydrocarbons from water using reactive activated carbon: the influence of synthesis factors and reaction environments. 2018 , 39, 1328-1339		2
458	Catalytic performance of oxygenated acid sites on activated carbon generated by non-isothermal plasma. <i>Carbon</i> , 2018 , 126, 552-565	10.4	3
457	Dehydrogenation of polycyclic naphthenes on a Pt/C catalyst for hydrogen storage in liquid organic hydrogen carriers. 2018 , 169, 94-100		35

456	Bimetallic Cu-Ni nanoparticles supported on activated carbon for catalytic oxidation of benzyl alcohol. 2018 , 112, 50-53		25
455	Catalytic reduction of Nitrophenols using silver nanoparticles-supported activated carbon derived from agro-waste. 2018 , 6, 28-36		37
454	Porous Hollow PtNi/C Electrocatalysts: Carbon Support Considerations To Meet Performance and Stability Requirements. <i>ACS Catalysis</i> , 2018 , 8, 893-903	13.1	53
453	Carbon copper thin films for discoloration of indigo carmine. 2018 , 148, 136-139		4
452	Understanding Uptake of Pt Precursors During Strong Electrostatic Adsorption on Single-Crystal Carbon Surfaces. 2018 , 61, 379-388		7
451	Performance of edges on carbon for the catalytic hydroxylation of benzene to phenol. 2018 , 8, 176-186		10
450	Preparation and Characterisation of Natural Rubber Composites Comprising Hybrid Fillers of Activated Carbon / in situ Synthesised Magnetite. 2018 , 21, 94-118		2
449	Hydration of phenylacetylene on sulfonated carbon materials: active site and intrinsic catalytic activity.. 2018 , 8, 38150-38156		8
448	AMINO-FUNCTIONALIZED ACTIVATED CARBON MATERIALS IN BASE-CATALYZED REACTIONS. 2018 , 1, 113-126		2
447	Iron-Containing Carbon Nanocomposites Based on Cellulose. 2018 , 50, 154-160		3
446	An overview on recent advances in the synthesis of sulfonated organic materials, sulfonated silica materials, and sulfonated carbon materials and their catalytic applications in chemical processes. 2018 , 14, 2745-2770		35
445	Catalytic Pyrolysis of Biomass and Polymer Wastes. <i>Catalysts</i> , 2018 , 8, 659	4	65
444	Potassium-Functionalized Graphitic Carbon Nitride Supported on Reduced Graphene Oxide as a Sustainable Catalyst for Knoevenagel Condensation. 2018 , 1, 6711-6723		36
443	Acid Free Oxidation and Simple Dispersion Method of MWCNT for High-Performance CFRP. 2018 , 8,		21
442	Platinum nanoparticles spontaneously formed on glassy carbon substrates. 2018 , 20, 1		2
441	Pd Nanoparticle Catalysts Supported on Nitrogen-Functionalized Activated Carbon for Oxyanion Hydrogenation and Water Purification. 2018 , 1, 6580-6586		5
440	A Metal-Free Carbon-Based Catalyst: An Overview and Directions for Future Research. 2018 , 4, 54		16
439	Synthesis of molybdenum cobalt nanocatalysts supported on carbon for hydrodesulfurization of liquid fuels. 2018 , 272, 715-721		41

438	Carbocatalytic Activity of Graphene Oxide in Organic Synthesis. 2018 ,		2
437	Assembly Multifunctional Three-Dimensional Carbon Networks by Controlling Intermolecular Forces. 2018 , 10, 36284-36289		5
436	Investigation on the Catalytic Performance of Reduced-Graphene-Oxide-Interpolated FeS ₂ and FeS for Oxygen Reduction Reaction. 2018 , 3, 10418-10427		11
435	Engineering Surface Wettability of Reduced Graphene Oxide To Realize Efficient Interfacial Photocatalytic Benzene Hydroxylation in Water. 2018 , 6, 15682-15687		6
434	Developing Lignosulfonate-Based Activated Carbon Fibers. 2018 , 11,		6
433	Bioadsorbptive Desulfurization of Liquid Fuels. 2018 , 327-374		
432	Stability of carbon-supported iron catalysts for catalytic wet peroxide oxidation of ionic liquids. 2018 , 6, 6444-6450		7
431	Effects of Activated Carbon Surface Property on Structure and Activity of Ru/AC Catalysts. 2018 , 359, 012045		
430	Low-Temperature Electrocatalytic Conversion of CO ₂ to Liquid Fuels: Effect of the Cu Particle Size. <i>Catalysts</i> , 2018 , 8, 340	4	10
429	Controlling the Incorporation of Phosphorus Functionalities on Carbon Nanofibers: Effects on the Catalytic Performance of Fructose Dehydration. 2018 , 4, 9		11
428	Catalytic Performances of AuPt Nanoparticles on Phosphorous Functionalized Carbon Nanofibers towards HMF Oxidation. 2018 , 4, 48		6
427	Nanocarbons from Synthetic Polymer Precursors and Their Catalytic Properties. 2018 , 133-166		
426	Liquid-Phase Hydrodeoxygenation of Guaiacol over Mo ₂ C Supported on Commercial CNF. Effects of Operating Conditions on Conversion and Product Selectivity. <i>Catalysts</i> , 2018 , 8, 127	4	20
425	Activated carbon nanoparticles from biowaste as new generation antimicrobial agents: A review. 2018 , 16, 306-321		33
424	A molecular-based approach for the direct synthesis of highly-ordered, homogeneously-doped mesoporous carbon frameworks. <i>Carbon</i> , 2018 , 140, 265-275	10.4	11
423	A review of carbon-based and non-carbon-based catalyst supports for the selective catalytic reduction of nitric oxide. 2018 , 9, 740-761		21
422	Catalytic Wet Peroxide Oxidation. 2018 , 375-402		2
421	Phase Quantification of Carbon Support by X-Ray Photoelectron Spectroscopy (XPS) in Plasma-Synthesized Fischer-Tropsch Nanocatalysts. 2018 , 148, 2149-2161		5

420	Study of Ni, Pt, and Ru Catalysts on Wood-based Activated Carbon Supports and their Activity in Furfural Conversion to 2-Methylfuran. 2018 , 10, 3269-3283		21
419	The polymerization reaction of cyclic siloxanes on a hard disk under static conditions. 2018 , 24, 4519-4525		
418	Performance studies of ZnO and multi walled carbon nanotubes-based counter electrodes with gel polymer electrolyte for dye-sensitized solar cell. 2018 , 83, 144-149		12
417	Carbon-supported photocatalysts for organic dye photodegradation. 2018 , 99-138		5
416	Reaction Mechanisms of 2-Butanol Dehydration over a Phosphorus-Containing Activated Carbon Acid Catalyst. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 16772-16778	3.8	14
415	Atomic scale structural defects in the graphite layer for model catalysis. 2018 , 677, 90-92		7
414	Nickel supported on low-rank coal for steam reforming of ethyl acetate. 2018 , 43, 15880-15890		5
413	Water Depollution Using Activated Carbons from Aerogels and Bones. 2018 , 183-226		
412	Electrostatic Adsorption of Platinum onto Carbon Nanotubes and Nanofibers for Nanoparticle Synthesis. 2018 , 4, 12		0
411	Mechanochemical Functionalization of Carbon Black at Room Temperature. 2018 , 4, 14		6
410	Carbon-Based Nanomaterials/Allotropes: A Glimpse of Their Synthesis, Properties and Some Applications. 2018 , 11,		148
409	A Review of Carbon Nanomaterials' Synthesis via the Chemical Vapor Deposition (CVD) Method. 2018 , 11,		186
408	Activity of chars and activated carbons for removal and decomposition of tar model compounds [A review]. 2018 , 94, 1044-1056		58
407	Design and synthesis of nanoporous carbon materials using Cd-based homochiral metalorganic frameworks as precursors for supercapacitor application. 2018 , 20, 4364-4369		9
406	Biomass Promises: A Bumpy Road to a Renewable Economy. 2018 , 5, 47-59		13
405	Metal-Free Catalytic Wet Oxidation: From Powder to Structured Catalyst Using N-Doped Carbon Nanotubes. 2018 , 61, 1957-1966		6
404	Effects of Carbon Support Nanostructures on the Reactivity of a Ru Nanoparticle Catalyst in a Hydrogen Transfer Reaction. 2018 , 22, 1580-1585		7
403	Pick a Wick: A Simple, Ultrafast Combustion Synthesis of Co ₃ O ₄ Dispersed Carbon for Enhanced Oxygen Evolution Kinetics. 2018 , 1, 4448-4452		8

402	High-Active Metallic-Activated Carbon Catalysts for Selective Hydrogenation. 2018 , 2018, 1-11	13
401	Carbon-Supported Au Nanoparticles: Catalytic Activity Ruled Out by Carbon Support. 2018 , 61, 1928-1938	5
400	Oxidative dehydrogenation of ethylbenzene over CMK-1 and CMK-3 carbon replicas with various mesopore architectures. 2018 , 271, 262-272	11
399	Co metal nanoparticles deposition inside or outside multi-walled carbon nanotubes via facile support pretreatment. 2018 , 456, 657-665	22
398	Fabricating Metal@N-Doped Carbon Catalysts via a Thermal Method. <i>ACS Catalysis</i> , 2018 , 8, 7077-7085	13.1 43
397	Designing hybrid materials with multifunctional interfaces for wound dressing, electrocatalysis, and chemical separation. 2019 , 533, 106-125	10
396	Electro-deposited Pt ₃ Co on Carbon Fiber Paper as Nafion-Free Electrode for Enhanced Electro-catalytic Activity toward Oxygen Reduction Reaction. 2019 , 2, 6269-6279	7
395	pH dependence of dacarbazine adsorption on activated carbon: DFT study. 2019 , 126, 58002	3
394	Role of Support in Hydrocracking of n-hexadecane over Sulfided NiMo Catalysts. 2019 , 17,	1
393	Activation of the Surface of Carbon and Nitrogen-Doped Carbon Nanotubes by Calcium Nitrate: Catalytic Properties of Cobalt Supported Catalysts of the Fischer-Tropsch Process Based on Them. 2019 , 60, 87-95	3
392	An investigation of latency prediction for NoC-based communication architectures using machine learning techniques. 2019 , 75, 7573-7591	3
391	Mild Ammonia Synthesis over Ba-Promoted Ru/MPC Catalysts: Effects of the Ba/Ru Ratio and the Mesoporous Structure. <i>Catalysts</i> , 2019 , 9, 480	4 8
390	Influence of feedstocks and modification methods on biochar's capacity to activate hydrogen peroxide for tetracycline removal. 2019 , 291, 121840	33
389	The use of CeO ₂ -modified Pt/C catalyst inks for the construction of high-performance enzyme-free H ₂ O ₂ sensors. 2019 , 848, 113302	15
388	Carbon Supported Gold Nanoparticles for the Catalytic Reduction of 4-Nitrophenol. 2019 , 7, 548	15
387	Sustainable Carbon-Based Materials as Heterogeneous Catalysts in Solvent-Free Acetylation Reactions. 2019 , 9, 40	2
386	Colombian metallurgical coke as catalysts support of the direct coal liquefaction. 2019 , 255, 115748	3
385	Carbocatalytic Oxidative Dehydrogenative Couplings of (Hetero)Aryls by Oxidized Multi-Walled Carbon Nanotubes in Liquid Phase. 2019 , 25, 12288-12293	12

384	Comparative Studies of Fischer-Tropsch Synthesis on Iron Catalysts Supported on Al ₂ O ₃ -Cr ₂ O ₃ (2:1), Multi-Walled Carbon Nanotubes or BEA Zeolite Systems. <i>Catalysts</i> , 2019 , 9, 605	4	3
383	Acid Mesoporous Carbon Monoliths from Lignocellulosic Biomass Waste for Methanol Dehydration. 2019 , 12,		4
382	Enhanced organic species identification via laser structuring of carbon monolithic surfaces. 2019 , 493, 829-837		
381	Co-precipitated Fe-Zr catalysts for the Fischer-Tropsch synthesis of lower olefins (C ₂ O ~ C ₄ O): Synergistic effects of Fe and Zr. 2019 , 378, 209-219		10
380	Microwave Irradiation Synthesized Cobalt-Loaded Nitrogen-Doped Active Carbon as an Efficient Catalyst for Selective Oxidation of Ethylbenzene. 2019 , 562, 012004		0
379	Graphene as Catalyst Support for the Reactions in Fuel Cells. 2019 , 339-372		
378	N-Doped Mesoporous Carbons: From Synthesis to Applications as Metal-Free Reduction Catalysts and Energy Storage Materials. 2019 , 7, 761		14
377	Relationship between Pt particle size and catalyst activity for catalytic oxidation of ultrahigh-concentration formaldehyde. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5217	3.1	5
376	Role of Graphitic Nitrogen and Conjugated Functional Groups in Selective Oxidation of Alcohols: A DFT based Mechanistic Elucidation. 2019 , 14, 4798-4806		1
375	A versatile approach for quantification of surface site fractions using reaction kinetics: The case of CO oxidation on supported Ir single atoms and nanoparticles. 2019 , 378, 121-130		27
374	Upcycling of polyurethane waste by mechanochemistry: synthesis of N-doped porous carbon materials for supercapacitor applications. 2019 , 10, 1618-1627		10
373	Rational design of tailored porous carbon-based materials for CO ₂ capture. 2019 , 7, 20985-21003		84
372	Sub-2 nm Ir Nanoclusters Immobilized on Mesoporous Nitrogen-Doped Carbons as Efficient Catalysts for Selective Hydrogenation. 2019 , 2, 6546-6553		7
371	Highly dispersed platinum supported catalysts Effect of properties on the electrocatalytic activity. 2019 , 259, 118050		22
370	Adsorption phenomenon and kinetic mechanisms of Hg ⁰ and HgCl ₂ by innovative composite sulfurized activated carbons. 2019 , 256, 115894		6
369	Enhanced oxygen evolution performance of spinel Fe _{0.1} Ni _{0.9} Co ₂ O ₄ /Activated carbon composites. 2019 , 326, 134986		7
368	Acceleration of microiron-based dechlorination in water by contact with fibrous activated carbon. <i>Science of the Total Environment</i> , 2019 , 660, 1274-1282	10.2	7
367	The adsorptive properties of oxidized activated carbons and their applications as carbon paste electrode modifiers. 2019 , 25, 357-366		4

366	Hydrodeoxygenation/Alkylation Pathway for the Synthesis of a Sustainable Lubricant Improver from Plant Oils and Lignin-Derived Phenols. 2019 , 58, 4317-4330		6
365	A Low-Cost, Well-Designed Catalytic System Derived from Household Waste "Egg Shell": Applications in Organic Transformations. 2019 , 377, 6		6
364	An FeIII dinuclear metallacycle complex as a size-selective adsorbent for nitrogenous compounds and a potentially effective ammonia storage material. 2019 , 7, 15225-15232		4
363	Carbon-Support-Based Heterogeneous Nanocatalysts: Synthesis and Applications in Organic Reactions. 2019 , 8, 1263-1305		39
362	Highly Selective Hydrogenation of Tetralin to cis-Decalin Using Ru Catalyst. 2019 , 4, 5796-5798		1
361	Catalysts evaluation for production of hydrogen gas and carbon nanotubes from the pyrolysis-catalysis of waste tyres. 2019 , 44, 19563-19572		18
360	PtPdNi Catalysts Supported on Porous Carbon for Ethanol Electro-oxidation. 2019 , 11, 3451-3464		13
359	Hydrothermal deoxygenation of triglycerides over carbon-supported bimetallic PtRe catalysts without an external hydrogen source. <i>Molecular Catalysis</i> , 2019 , 474, 110419	3-3	13
358	Highly active and robust Ni-MoS supported on mesoporous carbon: a nanocatalyst for hydrodeoxygenation reactions.. 2019 , 9, 17194-17202		12
357	Comparing pore structure models of nanoporous carbons obtained from small angle X-ray scattering and gas adsorption. <i>Carbon</i> , 2019 , 152, 416-423	10.4	21
356	Unlocking the door to highly efficient Ag-based nanoparticles catalysts for NaBH ₄ -assisted nitrophenol reduction. 2019 , 12, 2407-2436		59
355	Oxidation of Different Microporous Carbons by Chemical and Electrochemical Methods. 2019 , 6,		5
354	Preparation of isolated Co ₃ O ₄ and fcc-Co crystallites in the nanometre range employing exfoliated graphite as novel support material. 2019 , 1, 2910-2923		5
353	Hydrogen Production from Formic Acid over Au Catalysts Supported on Carbon: Comparison with Au Catalysts Supported on SiO ₂ and Al ₂ O ₃ . <i>Catalysts</i> , 2019 , 9, 376	4	12
352	Organic and Carbon Gels. 2019 ,		8
351	Fitting Carbon Gels and Composites for Environmental Processes. 2019 , 123-147		
350	Advances in nanostructures fabricated via spray pyrolysis and their applications in energy storage and conversion. 2019 , 48, 3015-3072		182
349	Anchored sulfonic acid on silica-layered NiFe ₂ O ₄ : A magnetically reusable nanocatalyst for Hantzsch synthesis of 1,4-dihydropyridines. 2019 , 168, 57-66		13

348	Biomass-based composite catalysts for catalytic wet peroxide oxidation of bisphenol A: Preparation and characterization studies. 2019 , 7, 103127	4
347	Powdered activated carbon enhanced Manganese(II) removal by chlorine oxidation. 2019 , 156, 287-296	20
346	Facile synthesis of carbon with nanopore-network precisely controlled by zinc ions at the molecular level for Boosting the performance of supercapacitors. <i>Carbon</i> , 2019 , 147, 157-163	10.4 4
345	Applications in catalysis. 2019 , 291-339	
344	Direct Laser Writing-Assisted Method for Template-Free Fabrication of Biomass-Based Porous Carbon Platelets with Uniform Size and Arbitrarily Designed Shapes. 2019 , 4, 5870-5878	5
343	Adsorption and decomposition of tar model compounds over the surface of gasification char and active carbon within the temperature range 250-800 °C. 2019 , 241, 139-151	48
342	Pt ₂ Co Model SCALMS on Modified HOPG: Growth and Adsorption Properties. 2019 , 62, 849-858	8
341	Effect of Cu addition to carbon-supported Ru catalysts on hydrogenation of alginic acid into sugar alcohols. 2019 , 578, 98-104	7
340	The effect of biochar mild air oxidation on the optimization of lead(II) adsorption from wastewater. 2019 , 240, 404-420	50
339	Hydrogen isotopic effect during the graphite high-temperature corrosion in water vapours. 2019 , 44, 29365-29370	6
338	Esterification over Acid-Treated Mesoporous Carbon Derived from Petroleum Coke. 2019 , 4, 6050-6058	4
337	Cobalt oxide-carbon nanocatalysts with highly enhanced catalytic performance for the green synthesis of nitrogen heterocycles through the Friedländer condensation. 2019 , 48, 5637-5648	8
336	Structure and electrophysical properties of carbogels based on the interpolyelectrolyte complex lignosulfonate - chitosan with various composition. 2019 , 282, 211-218	9
335	CoPt/EAIO bimetallic nanoalloys as promising catalysts for hydrazine electrooxidation. 2019 , 5, e01380	4
334	Production of Materials from Sustainable Biomass Resources. 2019 ,	2
333	Carbonaceous Catalysts from Biomass. 2019 , 185-231	1
332	Nitrogen-Doped Carbon Nano-Onions as a Metal-Free Electrocatalyst. 2019 , 10, 222-231	8
331	Co-doped triel-pnicogen graphene as metal-free catalyst for CO oxidation: Role of multi-center covalency. 2019 , 25, 77	2

330	Activated Carbon from Renewable Material as an Efficient Support for Palladium Oxidation Catalysts. 2019 , 42, 851-858		8
329	Development of Carbon Nanomaterials and Their Composites for Various Catalytic Applications. 2019 , 425-439		4
328	Nanoporous Heteroatom-Doped Carbons Derived from Cotton Waste: Efficient Hydrazine Oxidation Electrocatalysts. 2019 , 2, 2313-2323		20
327	Multifunctional Ternary Nanocomposites of Ni/Polypyrrole/Reduced Graphene Oxide as Supercapacitor and Electrocatalyst in Methanol Oxidation. 2019 , 4, 2529-2537		17
326	Phosphorus-Containing Mesoporous Carbon Acid Catalyst for Methanol Dehydration to Dimethyl Ether. 2019 , 58, 4042-4053		15
325	Effective Adsorption of Methylene Blue dye onto Magnetic Nanocomposites. Modeling and Reuse Studies. 2019 , 9, 4563		22
324	Synthesis and support interaction effects on the palladium nanoparticle catalyst characteristics. 2019 , 1-120		8
323	Catalytic oxidative desulfurization of a 4,6-DMDBT containing model fuel by metal-free activated carbons: the key role of surface chemistry. 2019 , 21, 6685-6698		33
322	SBA-15 Anchored Metal Containing Catalysts in the Oxidative Desulfurization Process. <i>Catalysts</i> , 2019 , 9, 984	4	25
321	Atomic Layer Deposition of Inorganic Films for the Synthesis of Vertically Aligned Carbon Nanotube Arrays and Their Hybrids. 2019 , 9, 806		2
320	Neutron scattering study of nickel decorated thermally exfoliated graphite oxide. 2019 , 44, 30999-31007		4
319	Two Synthesis Methods for Fe(III)@MOF-5-derived Porous Carbon Composites for Enhanced Phenol Hydroxylation. 2019 , 4, 13638-13645		5
318	Pd model catalysts on clean and modified HOPG: Growth, adsorption properties, and stability. 2019 , 679, 64-73		12
317	pH response of zwitterionic polydopamine layer to palladium deposition in the microchannel. 2019 , 356, 282-291		7
316	Enhancement of NH ₃ and water adsorption by introducing electron-withdrawing groups with maintenance of pore structures. 2019 , 25, 87-94		3
315	Activated carbons with adsorbed cations as photocatalysts for pollutants degradation in aqueous medium. 2019 , 25, 267-278		12
314	Domino Reaction for the Sustainable Functionalization of Few-Layer Graphene. 2018 , 9,		13
313	Nonnegligible role of biomass types and its compositions on the formation of persistent free radicals in biochar: Insight into the influences on Fenton-like process. 2019 , 361, 353-363		122

312	Biodiesel Purification and Upgrading Technologies. 2019 , 57-100		5
311	Novel rhodium on carbon catalysts for the oxidation of benzyl alcohol to benzaldehyde: A study of the modification of metal/support interactions by acid pre-treatments. 2019 , 570, 271-282		12
310	Core-shell structured Pt-transition metals nanoparticles supported on activated carbon for direct methanol fuel cells. 2019 , 145, 566-577		5
309	Pd-Ga model SCALMS: Characterization and stability of Pd single atom sites. 2019 , 369, 33-46		22
308	Hydrodesulphurization of dibenzothiophene on NiMoS catalysts: Impact of the carbon support on the reaction kinetics. 2019 , 97, 1496-1505		3
307	Composite materials based on active carbon/TiO ₂ for photocatalytic water purification. <i>Catalysis Today</i> , 2019 , 328, 178-182	5-3	13
306	Surface chemical modification of macroporous and mesoporous carbon materials: Effect on their textural and catalytic properties. 2019 , 279, 334-344		11
305	Preparation, development, outcomes, and application versatility of carbon fiber-based polymer composites: a review. 2019 , 2, 214-233		80
304	Simultaneous voltammetric determination of cadmium(II), lead(II), mercury(II), zinc(II), and copper(II) using a glassy carbon electrode modified with magnetite (FeO) nanoparticles and fluorinated multiwalled carbon nanotubes. 2019 , 186, 97		46
303	Utilization of Waste Biomass for the Synthesis of Functionalizable Support for Covalent Anchoring of Active Organo Catalyst. 2019 , 7, 3018-3026		16
302	Carbon-Based Metal-Free Catalysts for Electrocatalytic Reduction of Nitrogen for Synthesis of Ammonia at Ambient Conditions. 2019 , 31, e1805367		160
301	Polymer-Based Synthetic Routes to Carbon-Based Metal-Free Catalysts. 2019 , 31, e1804626		26
300	Synthetic strategies and application of gold-based nanocatalysts for nitroaromatics reduction. <i>Science of the Total Environment</i> , 2019 , 652, 93-116	10.2	31
299	Copper complex with N,O- architecture grafted graphene oxide nanosheet as a heterogeneous catalyst for Suzuki cross coupling reaction. 2019 , 95, 643-651		14
298	Highly microporous carbons from olive tree pruning: Optimization of chemical activation conditions. 2019 , 7, 102830		20
297	Multi-walled carbon nanotube forests covered with atomic-layer-deposited ruthenium layers for high-performance counter electrodes of dye-sensitized solar cells. 2019 , 65, 349-356		7
296	Nitrogen-Doped Biomass-Derived Carbon Formed by Mechanochemical Synthesis for Lithium-Sulfur Batteries. 2019 , 12, 310-319		56
295	One-pot solvent-free synthesis of 2,3-dihydro-2-substituted-1H-naphtho[1,2-e][1,3]oxazine derivatives using FeO@nano-cellulose/TiCl ₄ as a bio-based and recyclable magnetic nano-catalyst. 2019 , 23, 413-420		9

294	Carbon nanomaterials based on interpolyelectrolyte complex lignosulfonate-chitosan. 2019 , 73, 181-187		5
293	Activated carbon surface chemistry: Changes upon impregnation with Al(III), Fe(III) and Zn(II)-metal oxide catalyst precursors from NO ₃ ⁻ aqueous solutions. 2019 , 12, 3963-3976		22
292	CO ₂ Reforming of Methane Over Ni/Carbon Fibers-La ₂ O ₃ Catalyst: Effects of Ultrasound-Assisted Method and La ₂ O ₃ Doping on Catalytic Properties and Activity. 2019 , 10, 3897-3905		3
291	Potential of metal monoliths with grown carbon nanomaterials as catalyst support in intensified steam reformer: a perspective. 2020 , 36, 459-491		4
290	Bisphenol A removal from water by biomass-based carbon: isotherms, kinetics and thermodynamics studies. 2020 , 41, 971-980		7
289	Catalytic conversion of glucose to 5-hydroxymethylfurfural over biomass-based activated carbon catalyst. <i>Catalysis Today</i> , 2020 , 357, 94-101	5-3	18
288	Effective conversion of rapeseed oil to biodiesel fuel in the presence of basic activated carbon catalysts. <i>Catalysis Today</i> , 2020 , 357, 102-112	5-3	14
287	Activated carbon supported MnO nanoparticles for efficient ozone decomposition at room temperature. <i>Catalysis Today</i> , 2020 , 355, 573-579	5-3	24
286	Metal-free carbon materials as catalysts for wet air oxidation. <i>Catalysis Today</i> , 2020 , 356, 189-196	5-3	9
285	Approaches to the synthesis of Pd/C catalysts with controllable activity and selectivity in hydrogenation reactions. <i>Catalysis Today</i> , 2020 , 357, 152-165	5-3	19
284	Carbon nanotubes as catalysts for wet peroxide oxidation: The effect of surface chemistry. <i>Catalysis Today</i> , 2020 , 357, 332-340	5-3	10
283	Searching for efficient defect types in carbon nanofibers to promote supported Pt catalytic activity for dehydrogenation reaction. <i>Catalysis Today</i> , 2020 , 347, 87-95	5-3	6
282	A Theory/Experience Description of Support Effects in Carbon-Supported Catalysts. 2020 , 120, 1250-1349		215
281	Investigating the feasibility of valorizing residual char from biomass gasification as catalyst support in Fischer-Tropsch synthesis. 2020 , 147, 884-894		11
280	Taking advantage of sulfur impurities present in commercial carbon nanofibers to generate selective palladium catalysts. <i>Carbon</i> , 2020 , 157, 120-129	10-4	4
279	Porous Materials for Catalysis. 2020 , 115-137		7
278	Surface morphological characterization of activated carbon-metal (hydr)oxide composites: some insights into the role of the precursor chemistry in aqueous solution. 2020 , 41, 1743-1753		1
277	Synthesis of PtSn nanoparticles on carbon materials by different preparation methods for selective catalytic hydrogenation of citral. 2020 , 207, 1074-1091		1

276	Platinum-group-metal catalysts for proton exchange membrane fuel cells: From catalyst design to electrode structure optimization. 2020 , 2, 100023		84
275	Metal Boride-Based Catalysts for Electrochemical Water-Splitting: A Review. 2020 , 30, 1906481		138
274	Characteristics of activated carbons modulate the catalytic performance for acetylene hydrochlorination. <i>Molecular Catalysis</i> , 2020 , 483, 110707	3-3	3
273	Tuning combined steam and dry reforming of methane for Ethgas production: A thermodynamic approach and state-of-the-art catalysts. 2020 , 48, 54-91		23
272	Chlorella vulgaris microalgae strain modified with zinc chloride as a new support material for hydrogen production from NaBH ₄ methanolysis using CuB, NiB, and FeB metal catalysts. 2020 , 45, 1959-1968		27
271	Advances in design strategies for preparation of biochar based catalytic system for production of high value chemicals. 2020 , 299, 122564		22
270	Gold-graphene oxide nanohybrids: A review on their chemical catalysis. 2020 , 83, 1-13		10
269	Monolith Metal-Oxide-Supported Catalysts: Sorbent for Environmental Application. <i>Catalysts</i> , 2020 , 10, 1018	4	1
268	Role of Activated Carbon Precursor in Mercury Removal. 2020 , 59, 17740-17747		9
267	Vacuum degassed treatment for fabricating quasi-MIL-125(Ti) with enhanced catalytic oxidative desulfurization activity. 2020 , 308, 110529		8
266	High-Temperature Synthesis of Small-Sized Pt/Nb Alloy Catalysts on Carbon Supports for Hydrothermal Reactions. 2020 , 59, 15953-15961		4
265	High-Temperature Shock Enabled Nanomanufacturing for Energy-Related Applications. 2020 , 10, 2001331		41
264	Sustainable Carbon as Efficient Support for Metal-Based Nanocatalyst: Applications in Energy Harvesting and Storage. 2020 , 25,		3
263	Growth mechanism of rGO/CDs by electrospun calcination process: Structure and application. 2020 , 24, 100195		5
262	Postsynthetic Metalated MOFs as Atomically Dispersed Catalysts for Hydroformylation Reactions. 2020 , 12, 54798-54805		6
261	Structure couture and appraisal of catalytic activity of carbon nitride (g-C ₃ N ₄) based materials towards sustainability. 2020 , 3, 100039		12
260	Heteroatom necklaces of sp ² amorphous carbons. XPS supported INS and DRIFT spectroscopy. 2020 , 28, 1010-1029		5
259	Preparation of Microspheres and Monolithic Microporous Carbons from the Pyrolysis of Template-Free Hyper-Crosslinked Oligosaccharides Polymer. 2020 , 25,		2

258	Microwave-assisted dry reforming of methane for syngas production: a review. 2020 , 18, 1987-2019		19
257	Noble metal-based sorbents: A way to avoid new waste after mercury removal. 2020 , 400, 123168		10
256	Porous carbon as catalyst support for CO oxidation: Impact of nitrogen doping. <i>Carbon</i> , 2020 , 169, 297-306.4		9
255	Ab initio studies of propane dehydrogenation to propene with graphene. 2020 , 118, e1798527		1
254	Bimetallic Pd-Bi/C Catalysts Prepared by Grafting of Complexes with O-Donor Ligands. 2020 , 63, 1485-1496		1
253	Geometric, electronic, and synergistic effect in the sulfonated carbon-supported Pd catalysts for the direct synthesis of hydrogen peroxide. 2020 , 607, 117867		2
252	Conversion of Xylose to Furfural over Lignin-Based Activated Carbon-Supported Iron Catalysts. <i>Catalysts</i> , 2020 , 10, 821	4	3
251	Hydrogenation of Furfural to Furfuryl Alcohol over Ru Particles Supported on Mildly Oxidized Biochar. <i>Catalysts</i> , 2020 , 10, 934	4	7
250	Nitrate Catalytic Reduction over Bimetallic Catalysts: Catalyst Optimization. 2020 , 6, 78		3
249	Catalytic Cracking of n-Hexadecane Using Carbon Nanostructures/Nano-Zeolite-Y Composite Catalyst. <i>Catalysts</i> , 2020 , 10, 1385	4	5
248	The role of surface chemistry of modified MWCNT on the development and characteristics of Pt supported catalysts. 2020 , 24, 100566		2
247	Graphene-based carbocatalysts for carbon-carbon bond formation. 2020 , 12, 12210-12227		19
246	Fitting Biochars and Activated Carbons from Residues of the Olive Oil Industry as Supports of Fe-Catalysts for the Heterogeneous Fenton-Like Treatment of Simulated Olive Mill Wastewater. 2020 , 10,		8
245	Fabrication of MgO@AC porous composite for CO ₂ capture by a solid-state heat dispersion approach. 2020 , 27, 1051-1058		4
244	Graphene Nanoplatelets-Based Ni-Zeolite Composite Catalysts for Heptane Hydrocracking. 2020 , 6, 31		1
243	High adsorption capacity of nitrobenzene from aqueous solution using activated carbons prepared from vegetable waste. 2020 , 39, e13463		6
242	Metal oxide decorated porous carbons from controlled calcination of a metal-organic framework. 2020 , 2, 2758-2767		5
241	Characteristics of molecular nitrogen generation from overmature black shales in South China: Preliminary implications from pyrolysis experiments. 2020 , 120, 104527		2

240	Catalytic conversion of CO ₂ to chemicals and fuels: the collective thermocatalytic/photocatalytic/electrocatalytic approach with graphitic carbon nitride. 2020 , 1, 1506-1545	44
239	Stable and Efficient PtRu Electrocatalysts Supported on Zn-BTC MOF Derived Microporous Carbon for Formic Acid Fuel Cells Application. 2020 , 8, 367	7
238	Structural mechanism of reactivation with steam of pitch-based activated carbon fibers. 2020 , 578, 422-430	10
237	Tunable acidity in mesoporous carbons for hydrolysis reactions. 2020 , 44, 5873-5883	2
236	Continuous Hydrogenation of Monomeric Sugars and Binary Sugar Mixtures on a Ruthenium Catalyst Supported by Carbon-Coated Open-Cell Aluminum Foam. 2020 , 59, 13450-13459	4
235	Graphene Oxyhydride Catalysts in View of Spin Radical Chemistry. 2020 , 13,	3
234	Synthesis of porous carbon derived from poly(vinylidene fluoride) and its adsorption characteristics for CO ₂ and CH ₄ . 2020 , 299, 110121	5
233	Gram-scale synthesis of alkoxide-derived nitrogen-doped carbon foam as a support for Fe-N-C electrocatalysts. 2020 , 31, 225401	1
232	Electrochemical Tracing of Butein Using Carbon Nanoparticles Interfaced Electrode Processed from Biowaste. 2020 , 32, 1220-1225	7
231	Acid functionalized carbons as catalyst for glycerol etherification with benzyl alcohol. 2020 , 37, 129-137	6
230	Nanocomposite films for absorption and decomposition of sick-building syndrome gases. 2020 , 251-272	
229	Toxic effects of engineered carbon nanoparticles on environment. 2020 , 237-260	7
228	Synthesis and characterization of carbon nanomaterials functionalized by direct treatment with sulfonating agents. 2020 , 299, 110130	7
227	Effects of pretreated carbon supports in Pd/C catalysts on rosin disproportionation catalytic performance. 2020 , 216, 115588	7
226	Controllable synthesis of peapod-like TiO ₂ @GO@C electrospun nanofiber membranes with enhanced mechanical properties and photocatalytic degradation abilities towards methylene blue. 2020 , 44, 3755-3763	5
225	Pt/Cu Model SCALMS on Modified HOPG: Thermal Behavior and Stability in UHV and under Near-Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2562-2573	3.8 9
224	Current Trends in the Optical Characterization of Two-Dimensional Carbon Nanomaterials. 2019 , 7, 927	3
223	Use of brewing industry waste to produce carbon-based adsorbents: Paracetamol adsorption study. 2020 , 55, 947-956	6

222	Functionalized graphene sheet as a dispersible fuel additive for catalytic decomposition of methylcyclohexane. 2020 , 217, 212-221	8
221	Graphene supported NiMo catalyst: A promising novel hydrocracking catalyst. 2020 , 52, 378-386	1
220	Pickering emulsions assisted synthesis of fatty acetal over phenyl sulfonic groups grafted on activated charcoal. 2020 , 597, 117543	2
219	Exploration of the Solid-State Sorption Properties of Shape-Persistent Macrocyclic Nanocarbons as Bulk Materials and Small Aggregates. 2020 , 142, 8763-8775	39
218	Sustainable remediation with an electroactive biochar system: mechanisms and perspectives. 2020 , 22, 2688-2711	64
217	A systematic review on silica-, carbon-, and magnetic materials-supported copper species as efficient heterogeneous nanocatalysts in "click" reactions. 2020 , 16, 551-586	22
216	Fabrication and Applications of 3D Nanoarchitectures for Advanced Electrocatalysts and Sensors. 2020 , 32, e1907500	10
215	Catalyst Surface Dispersion: Insights into Hydrogenation Kinetics and Mechanism. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 8813-8821	3.8 0
214	Synthesis of Pd/C Catalysts: Approaches to Regulating the Structure of Active Sites toward Achieving High Selectivity in Hydrogenation of Organic Compounds. 2020 , 90, 532-549	2
213	Extraction of copper, zinc and cadmium from copper/cadmium-bearing slag by oxidative acid leaching process. 2021 , 40, 1-10	11
212	Glucose oxidation reaction at palladium-carbon nano-onions in alkaline media. 2021 , 25, 207-217	3
211	In silico study on the effects of carbonyl groups on chemical equilibrium of reactions with a polar product occurring under confinement in pores of activated carbons. 2021 , 208, 171-182	2
210	Solvent-assisted synthesis of N-doped activated carbon-based catalysts for acetylene hydrochlorination. 2021 , 611, 117902	7
209	An overview of low-temperature plasma surface modification of carbon materials for removal of pollutants from liquid and gas phases. 2021 , 18, 2000171	1
208	Functional porous carbons: Synthetic strategies and catalytic application in fine chemical synthesis. 2021 , 299-352	0
207	Dispersion behavior of various single metals on carbonaceous coal supports and their reactivity in methanol steam reforming. 2021 , 94, 317-325	3
206	Synthesis of hierarchical zeolite templated carbons. 2021 , 2, 100014	6
205	Comparison of hydrogen production and system performance in a microbial electrolysis cell containing cathodes made of non-platinum catalysts and binders. 2021 , 40, 101844	10

204	Synthesis strategies towards amorphous porous carbons with selective oxygen functionalization for the application as reference material. <i>Carbon</i> , 2021 , 171, 658-670	10.4	5
203	Robotic Catalysis: A High-Throughput Method for Miniature Screening of Mesoporous Metal Oxides**. 2021 , 1, 192-200		3
202	Renaissance of Stober method for synthesis of colloidal particles: New developments and opportunities. 2021 , 584, 838-865		39
201	Bismuth-Impregnated Ruthenium with Activated Carbon as Photocathode Catalyst to Proliferate the Efficacy of a Microbial Fuel Cell. 2021 , 25, 04020066		2
200	Scanning Tunneling Microscopy (STM) Imaging of Carbon Nanotropes: C60, CNT and Graphene. 2021 , 47-75		0
199	Microstructure and electrochemical properties of high performance graphene/manganese oxide hybrid electrodes.. 2021 , 11, 31608-31620		2
198	Nanoglobular carbon and palladium catalysts based on it for liquid-phase hydrogenation of organic compounds. 2021 , 90,		1
197	Defect induced nitrogen reduction reaction of carbon nanomaterials. 2021 , 5, 3765-3790		2
196	Towards Understanding the Chemical Reactions Between KOH and Oxygen-Containing Groups During KOH-Catalyzed Pyrolysis of Biomass.		
195	Insights in the Aqueous and Adsorbed Photocatalytic Degradation of Carbamazepine by a Biosourced Composite: Kinetics, Mechanisms and DFT Calculations. 2021 , 15, 135-147		6
194	Role of CO ₂ During Oxidative Dehydrogenation of Propane Over Bulk and Activated-Carbon Supported Cerium and Vanadium Based Catalysts. 2021 , 151, 2816-2832		7
193	Mesoporous Carbon Fibers with Tunable Mesoporosity for Electrode Materials in Energy Devices. 2021 , 26,		0
192	Physical and chemical activation mechanisms of carbon materials based on the microdomain model. 2021 , 9, 9815-9825		11
191	Theoretical and Computational Investigations of Carbon Nanostructures. 2021 , 139-164		
190	Chemical functionalization of few walled carbon nanotubes produced by chemical vapour deposition technique. 2021 , 46, 4187-4189		
189	Alternative Bio-Refinery Products From Hydrothermal Liquefaction of Waste. 2021 ,		
188	Selectivity of Mixed Iron-Cobalt Spinel Deposited on a N,S-Doped Mesoporous Carbon Support in the Oxygen Reduction Reaction in Alkaline Media. 2021 , 14,		4
187	Generation of a Highly Efficient Electrode for Ethanol Oxidation by Simply Electrodepositing Palladium on the Oxygen Plasma-Treated Carbon Fiber Paper. <i>Catalysts</i> , 2021 , 11, 248	4	0

186	Comparative Studies of Carbon Nanomaterial and Alumina as Supports for the NiMo Catalyst in Hydrotreating of Gas Oils. 2021 , 35, 6153-6166		2
185	Functionalized Carbon Materials in Syngas Conversion. 2021 , 17, e2007527		8
184	Enhancement of the adsorption of bilirubin on activated carbon via modification. 2021 , 9, 100172		1
183	Carbon and Graphite for Catalysis. 2021 , 457-490		
182	Low-Rank Coal Supported Ni Catalysts for CO ₂ Methanation. 2021 , 14, 2040		3
181	Effect of catalyst layer with zeolite on the performance of a proton exchange membrane fuel cell operated under low-humidity conditions. 2021 , 46, 15878-15886		2
180	Carbon and Graphite for Electrochemical Power Sources*. 2021 , 379-455		
179	Methodology for the identification of carbonyl absorption maxima of carbon surface oxides in DRIFT spectra. 2021 , 3, 100020		1
178	Biomass Nanoporous Carbon-Supported Pd Catalysts for Partial Hydrogenation of Biodiesel: Effects of Surface Chemistry on Pd Particle Size and Catalytic Performance. 2021 , 11,		0
177	Oxidation of Benzyl Alcohol Using Cobalt Oxide Supported Inside and Outside Hollow Carbon Spheres. 2021 , 10, 618-626		3
176	Template-Free Formation of Regular Macroporosity in Carbon Materials Made from a Folded Polymer Precursor. 2021 , 17, e2100712		1
175	Testing PtCu Nanoparticles Supported on Highly Ordered Mesoporous Carbons CMK3 and CMK8 as Catalysts for Low-Temperature Fuel Cells. <i>Catalysts</i> , 2021 , 11, 724	4	1
174	Fe-based Fenton-like catalysts for water treatment: Catalytic mechanisms and applications. 2021 , 332, 115755		27
173	A rapid and quantitative synthesis of xanthene derivatives using sulfonated graphitic carbon nitride under ball-milling. 2021 , 58, 2009		3
172	Co-presence of hydrophilic and hydrophobic sites in Ni/biochar catalyst for enhancing the hydrogenation activity. 2021 , 293, 120426		3
171	Preparation of highly effective carbon black supported Pd-Pt bimetallic catalysts for nitrobenzene hydrogenation. 2021 , 32,		1
170	The scientific impact of Francisco Rodríguez-Reinoso in carbon research and beyond. <i>Carbon</i> , 2021 , 179, 275-287	10.4	0
169	Optimization of catalytic wet oxidating fulvic acid with zero-valent copper chitosan activated carbon ball as the catalyst. 2021 , 11, 13998		

168	Key factors to develop hybrid photoactive materials based on mesoporous carbon/TiO ₂ for removal of volatile organic compounds in air streams. 2021 , 623, 118281	2
167	Phytomass-Derived Multifunctional Activated Carbon as a "Wonder-Material" A Paradigm Shift of Filth-to-Wealth.	
166	Enhancement of Activity and Development of Low Pt Content Electrocatalysts for Oxygen Reduction Reaction in Acid Media. 2021 , 26,	1
165	Progresses of hyperpolarized ¹²⁹ Xe NMR application in porous materials and catalysis. 2021 , 1, 11-27	1
164	Photocatalyst Composites from Bi-based and Carbon Materials for Visible Light Photodegradation. 2022 , 145-178	0
163	Progress and prospects of applying carbon-based materials (and nanomaterials) to accelerate anaerobic bioprocesses for the removal of micropollutants. 2021 ,	1
162	Activation of biochar through exoenzymes prompted by earthworms for vermibiochar production: A viable resource recovery option for heavy metal contaminated soils and water. 2021 , 278, 130458	14
161	Formation of metal-support compounds in cobalt-based Fischer-Tropsch synthesis: A review. 2021 ,	5
160	One-Step Synthesis of Bimetallic Cobalt-Palladium Nanoparticles and a Carbon Support Based on Pyrolyzed Chitosan. 2021 , 95, 1877-1882	
159	Microporous Sulfur-Doped Carbon Atoms as Supports for Sintering-Resistant Platinum Nanocluster Catalysts. 2021 , 4, 9489-9496	0
158	Surface reactions during temperature-programmed desorption and reduction experiments with oxygen-functionalized carbon blacks. 2021 , 561, 150044	2
157	Quo vadis carbocatalysis?. 2021 , 61, 219-227	
156	Bismuth (III) oxide / carbon nanocomposites for degradation of indigo carmine dye in aqueous solution. 2021 , 192, 110417	2
155	A review on lignocellulosic biomass waste into biochar-derived catalyst: Current conversion techniques, sustainable applications and challenges. 2021 , 154, 106245	5
154	Synthesis, physicochemical properties and photocatalytic activity of Cu-containing activated carbons prepared from sulfo-resins under visible irradiation. 2021 , 568, 150865	
153	Effect of Pd Precursor Salts on the Chemical State, Particle Size, and Performance of Activated Carbon-Supported Pd Catalysts for the Selective Hydrogenation of Palm Biodiesel. 2021 , 22,	2
152	Hydrogenation of 4-nitrochlorobenzene catalysed by cobalt nanoparticles supported on nitrogen-doped activated carbon. 2021 , 11, 3845-3854	1
151	Recycled Activated Carbon-Based Materials for the Removal of Organic Pollutants from Wastewater. 2021 , 513-539	4

150	Carbon-based nanostructures and nanomaterials. 2021 , 103-130	0
149	Oxidative Coupling of 2-Methyl-1-naphthol: A Comparison between Bismuth-Promoted Pt, Pd and Ag Catalysts. 2018 , 3, 6224-6231	1
148	POROUS CARBONS IN GAS SEPARATION AND STORAGE. 2006 , 133-144	5
147	Adsorption from aqueous phenol and 2,3,4-trichlorophenol solutions on nanoporous carbon prepared from poly(ethylene terephthalate). 2001 , 5-12	5
146	Exotic Carbon Phases: Structure and Properties. 2010 , 207-240	1
145	High-temperature PEM Fuel Cell Catalysts and Catalyst Layers. 2008 , 861-888	7
144	Introduction to Carbon Nanotubes. 2007 , 43-112	22
143	Introduction to Carbon Nanotubes. 2004 , 39-98	1
142	Dyes Environmental Impact and Remediation. 2012 , 111-162	129
141	CHAPTER 10: Bulk and Surface Analysis of Carbonaceous Materials. 2015 , 311-354	2
140	Recent advancement in the electrocatalytic synthesis of ammonia. 2020 , 12, 8065-8094	19
139	Supercritical fluids in chemistry. 2020 , 89, 1337-1427	19
138	Adsorption of Cd(II) onto Activated Carbon Fiber Prepared by Urea Treatment. 2012 , 38, 242-249	3
137	The Effect of Ammoxidation Process on NO ₂ Sorption Abilities of Active Carbons. 2010 , 118, 493-499	4
136	Cation-containing active carbons as photocatalysts for dyes degradation. 2017 , 8, 422-431	1
135	MESOPHASE MICROSPHERES FROM DISTILLATION AND THERMAL TREATMENT OF COAL TAR. 2017 , 11, 230-235	1
134	Physical, Chemical and Adsorptive Characteristics of Local Oak Sawdust Based Activated Carbons. 2016 , 9, 45-56	19
133	Heavy Metals Removal in Aqueous Solution by Activated Carbons Prepared from Coconut Shell and Seed Shell of the Palm Tree. 2006 , 6, 2789-2793	21

132	Performance of Palm Shell Activated Carbon Impregnated with CeO ₂ and V ₂ O ₅ Catalyst in Simultaneous Removal of SO ₂ and NO. 2010 , 10, 1052-1059	13
131	TPR Study of Core-Shell Fe ₃ O ₄ Nanoparticles Supported on Activated Carbon and Carbon Nanotubes. 2012 , 02, 17-22	13
130	Adsorption studies of cyanide onto activated carbon and Alumina impregnated with copper ions. 2010 , 02, 1066-1072	6
129	Adsorption Characteristics of Functionalized Activated Carbon for High Temperature CO ₂ Capture. 2015 , 37, 175-181	1
128	Silver Loading Effect for the Activated Carbon Fibers Pre-treated with Acid. 2004 , 25, 1189-1194	8
127	Effect of Preparation Conditions on the Hydrogenation Activity and Metal Dispersion of Pt/C and Pd/C Catalysts. 2005 , 26, 563-568	4
126	Voltammetric sensor for electrochemical determination of the floral origin of honey based on a zinc oxide nanoparticle modified carbon paste electrode. 2018 , 7, 319-329	9
125	Preparation and Characterization of Ionic Liquid-based Electrodes for High Temperature Fuel Cells Using Cyclic Voltammetry. 2013 , 16, 30-38	3
124	Equilibrium Removal of Pb (II) Ions from Aqueous Solution onto Oxidized-KOH-Activated Carbons. 2011 , 12, 1-7	12
123	The joint effect of electrical conductivity and surface oxygen functionalities of carbon supports on the oxygen reduction reaction studied over bare supports and Mn ₃ O ₄ spinel/carbon catalysts in alkaline media.	3
122	Nanoparticles of Metals and Oxides on Surface of Carbon Fibers are Effective Catalysts of Chemical Transformations of Epoxy Oligomers. 2004 , 363-374	
121	Methanol Oxidation Effect on Carbon Supported Pt Particles Studied by ¹³ C NMR, XRD, and TEM. 2006 , 27, 1121-1126	
120	Surface Properties of the High Porous Carbon Aerogels. 2008 , 41, 114-120	
119	Noble Metal Nanoparticles on Carbon Fibers. 2008 , 3195-3205	
118	Photocatalytic Activity of EG-TiO ₂ Composite for Various Dye Solutions Under UV Light and Visible Light. 2009 , 19, 555-561	1
117	Nanoporous Carbon Supported MnO _x Catalysts for Oxidation of Benzyl Alcohol. 2010 , 31, 1025-1030	
116	Optimization of Support Pretreatment for Rh/AC Catalyst. 2011 , 213-217	
115	Role of Surface Chemistry. 2012 , 53-82	2

- 114 Mechanisms of Adsorption and Strength of Retention. **2012**, 89-99
- 113 Role of Textural Parameters. **2012**, 35-51 1
- 112 Selective Oxidation/Dehydrogenation Reactions. **2013**, 11-31
- 111 Ni-doped Carbon Nanofilaments (Ni-CNF): Preparation and Use as Reforming Catalyst. 2
- 110 Proton Modified Pt Zeolite Fuel Cell Electrocatalysts. **2015**, 173-182 0
- 109 Growth of Catalytically Active Nanostructures in the Nonequilibrium Epitaxy Regime. **2015**, 60, 546-552
- 108 Support effect on the catalytic activity of palladium nanoparticles in the o-nitrotoluene hydrogenation. **2017**, 63-69
- 107 Introduction to hydrogen storage in carbon materials. **2018**, 333-341
- 106 CATALYSTS OF ACID-BASE PROCESS ON THE BASIS OF THE MODIFIED CARBON FIBER. **2019**, 85, 38-48
- 105 Solid Residues (Biochar, Bottom Ash, Fly Ash, μ) **2020**, 1307-1387
- 104 Use of heterogeneous activated carbon supported copper catalyst for catalytic wet oxidation of biomethanated spent wash: Reaction kinetics, catalyst stability, catalyst deactivation kinetics and biochemical methane potential. **2021**, 44, 102387 1
- 103 Fe-Mn doped powdered activated carbon pellet as ozone catalyst for cost-effective phenolic wastewater treatment: Mechanism studies and phenol by-products elimination. **2022**, 424, 127483 5
- 102 Nanoporous carbon materials: from char to sophisticated 3-D graphene-like structures. **2020**, 45-64 1
- 101 Influence of rGO and Preparation Method on the Physicochemical and Photocatalytic Properties of TiO₂/Reduced Graphene Oxide Photocatalysts. *Catalysts*, **2021**, 11, 1333 4 2
- 100 Modification of Commercial Pt/C Catalyst with Graphene Nanoplatelets for Sensitive and Selective Detection of Acetaminophen in Commercial Tablets. **2020**, 9, 115006 1
- 99 Assessing the Adsorptive and Photodegradative Efficiencies of ZSM-11 Synthesized from Rice Husk Ash. **2020**, 2020, 1-13 38
- 98 Pyrolysis of Porous Organic Polymers under a Chlorine Atmosphere to Produce Heteroatom-Doped Microporous Carbons. **2021**, 26, 1
- 97 A more accurate definition of water characteristics in stone materials for an improved understanding and effective protection of cultural heritage from biodeterioration. **2022**, 166, 105338 4

96	One pot synthesis of Fe ₂ O ₃ /turbostratic carbon composites and their photocatalytic activity under sunlight. 2021 , 5, 100130	0
95	Preparation of activated carbon-based catalyst from nipa palm (<i>Nypa fruticans</i>) shell modified with KOH for biodiesel synthesis. 2021 , 912, 012094	0
94	Surface Modified Activated Carbons: Sustainable Bio-Based Materials for Environmental Remediation. 2021 , 11,	4
93	Carbon cryogel preparation and characterization. 2021 , 108727	0
92	Energy conversion and storage in fuel cells and super-capacitors from chemical modifications of carbon allotropes: State-of-art and prospect.	6
91	Preparation and Characterization of Biochar Derived from Agricultural By-Products for Dye Removal. 2021 , 2021, 1-14	2
90	Scalable preparation of high-strength hierarchically porous carbon beads with bicontinuous macroporous network by solvent induced phase separation technique for NO _x removal. 2022 , 330, 111620	0
89	Preparation and characterization of cattle manure-based activated carbon for hydrogen sulfide removal at room temperature. 2022 , 107177	0
88	From pomegranate peels waste to one-step alkaline carbonate activated carbons. Prospect as sustainable adsorbent for the renewable energy production. 2022 , 10, 107010	2
87	Synthesis of Radiopharmaceuticals via Ir-Loop η 1C-Carbonylation as Exemplified by the Radiolabeling of Inhibitors of Bruton's Tyrosine Kinase. 2022 , 1,	2
86	Synthesis and Characterization of NiMo Catalysts Supported on Fine Carbon Particles for Hydrotreating: Effects of Metal Loadings in Catalyst Formulation. 2022 , 3,	
85	A Kinetic Model Considering Catalyst Deactivation for Methanol-to-Dimethyl Ether on a Biomass-Derived Zr/P-Carbon Catalyst.. 2022 , 15,	1
84	Supported metals on porous solids as heterogeneous catalysts for the synthesis of propargylamines. 2022 , 46, 1469-1482	0
83	Advances in Graphene/Inorganic Nanoparticle Composites for Catalytic Applications.. 2022 , e202100274	2
82	Ordered Mesoporous Carbon-supported Morphologically-controlled Nano-Gold: Role of Support as well as the Shape and Size of Gold Nanoparticles on the Selective Oxidation of Glycerol.	
81	Recent advances in application of iron-based catalysts for CO hydrogenation to value-added hydrocarbons. 2022 , 43, 731-754	4
80	Towards understanding the chemical reactions between KOH and oxygen-containing groups during KOH-catalyzed pyrolysis of biomass. 2022 , 245, 123286	1
79	Effective removal of phenol by activated charcoal/BiOCl composite under UV light irradiation. 2022 , 1254, 132344	1

78	Complex Nanomaterials in Catalysis for Chemically Significant Applications: From Synthesis and Hydrocarbon Processing to Renewable Energy Applications. 2022 , 2022, 1-72	7
77	Metal-catalyzed chemical activation of calcium carbide: New way to hierarchical metal/alloy-on-carbon catalysts. 2022 , 407, 281-281	0
76	Carbon-based titanium dioxide materials for hydrogen production in water-methanol reforming: A review. 2022 , 10, 107326	1
75	Thermal treatment of Lanxess Lewatit® AF 5 resin used in the atmospheric chalcopyrite leaching process: Regeneration and sulfur recovery.. 2022 , 295, 133890	0
74	Nitrogen-Doped Porous Two-dimensional Carbon Nanosheets Derived from ZIF-8 as Multifunctional Supports of Ru Nanoparticles for Hydrogenation of Benzoic Acid. 1	0
73	Research on the performance of carbon film formed on thin stainless steel bipolar plates of PEMFC by laser irradiating.	
72	Black carbon-mediated degradation of organic pollutants: A critical review. 2022 , 160, 610-619	2
71	Advanced Oxidative Techniques for the Treatment of Aqueous Liquid Effluents from Biomass Thermochemical Conversion Processes: A Review. 2022 , 36, 60-79	2
70	Trapa natans Husk-Derived Nanoporous Carbons as Electrode Materials for Sustainable High-Power Microbial Fuel Cell Supercapacitor Systems. 2100163	
69	Kereste Fabrikasın dan Alınan Hırelı Karbon Kır Etimi ve Karakterizasyonu.	
68	Reaction Conditions and Aqueous Washing Process: Implications for Graphene Oxide Production and Its Applications.	0
67	Data_Sheet_1.docx. 2020 ,	
66	Regenerable adsorbents for SOx removal, material efficiency, and regeneration methods: A focus on CuO-based adsorbents. 2022 , 395-425	
65	Pickering Emulsion Catalysis: Interfacial Chemistry, Catalyst Design, Challenges, and Perspectives.	2
64	Synthesis of monometallic macrostructured catalysts for bromate reduction in a continuous catalytic system.. 2022 , 1-34	0
63	Pickering Emulsion Catalysis: Interfacial Chemistry, Catalyst Design, Challenges, and Perspectives.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4 11
62	Removal of PFASs from water by carbon-based composite photocatalysis with adsorption and catalytic properties: A review.. <i>Science of the Total Environment</i> , 2022 , 836, 155652	10.2 1
61	Deshidrogenaci3 oxidativa de Isobutano. <i>Ingenieria E Investigacion</i> , 2001 , 5-11	0.3

60	Role of activated carbons as metal-free catalysts. 2022 , 245-265		
59	Carbon-based metal-free catalysts for photocatalytic reactions. 2022 , 151-194		
58	Biochar from microalgae. 2022 , 613-637		
57	Study of Intermolecular Interaction between Small Molecules and Carbon Nanobelt: Electrostatic, Exchange, Dispersive and Inductive Forces. <i>Catalysts</i> , 2022 , 12, 561	4	0
56	Semiconductor carbon-nitrogen nanomaterials based on interpolyelectrolyte complex sodium lignosulfonate-chitosan. <i>Journal of Wood Chemistry and Technology</i> , 1-12	2	0
55	Catalyst deactivation in synthesis of olefins below methanol. <i>AIP Conference Proceedings</i> , 2022 ,	0	
54	Pd/Fe ₃ O ₄ supported on bio-waste derived cellulosic-carbon as a nanocatalyst for C-C coupling and electrocatalytic application. <i>Frontiers of Chemical Science and Engineering</i> ,	4.5	0
53	Synthesis of Sub-4 nm Rh-Based Intermetallic Catalyst Libraries by Sulfur-Anchoring Strategy. 1350-1357		3
52	Application of novel catalysts supported on carbonaceous materials in the direct non-oxidative dehydrogenation of n-butane to olefins. <i>Inorganic Chemistry Communication</i> , 2022 , 142, 109638	3.1	
51	Single-step insertion of M-N _x moieties in commercial carbon for sustainable bifunctional electrocatalysis: Mapping insertion capacity, mass loss, and carbon reconstruction. <i>Carbon</i> , 2022 , 196, 1001-1011	10.4	1
50	Nickel nanoparticles embedded in porous carbon-coated honeycomb ceramics: A potential monolithic catalyst for continuous hydrogenation reaction. <i>Carbon</i> , 2022 , 197, 171-182	10.4	
49	Facile synthesis of polyaniline catalyzed by carbon fiber for supercapacitor applications. <i>Synthetic Metals</i> , 2022 , 289, 117116	3.6	0
48	Decomposition of biomass gasification tar model compounds over waste tire pyrolysis char. <i>Waste Disposal & Sustainable Energy</i> , 2022 , 4, 75-89	4.3	0
47	Fast microwave-assisted synthesis of iron-palladium catalysts supported on graphite for the direct synthesis of H ₂ O ₂ . <i>Catalysis Today</i> , 2022 ,	5.3	0
46	Intrinsic Catalytic Activity of Carbon Nanotubes for Electrochemical Nitrate Reduction. <i>ACS Catalysis</i> , 9135-9142	13.1	1
45	Multiple Dynamic Nuclear Polarization Mechanisms in Carbonaceous Materials: From Exogenous to Endogenous ¹³ C Dynamic Nuclear Polarization-Nuclear Magnetic Resonance up to Room Temperature. <i>Journal of Physical Chemistry C</i> ,	3.8	0
44	Dysprosium-Balsalazide Complex Trapped Between the Functionalized Halloysite and g-C ₃ N ₄ : A novel Heterogeneous Catalyst for the Synthesis of Annulated Chromenes in Water. <i>Applied Organometallic Chemistry</i> ,	3.1	1
43	Organocatalyst reactivation with improved performance in O ₂ -mediated styrene synthesis. <i>Molecular Catalysis</i> , 2022 , 529, 112525	3.3	

- 42 Kimyasal Buhar Biriktirme Yöntemi ile Farklı Kalınlıklarda Grafen Üretimi.
- 41 Improving Hydrogen Production Yield in Hydrothermal Gasification Processes through Novel Metal Catalysts.
- 40 Surface-Modified Activated Carbon with a Superior CH₄/CO₂ Adsorption Selectivity for the Biogas Upgrading Process.
- 39 The Synergetic Effect of Support-oxygen Groups and Pt Particle Size in the Oxidation of D-glucose: A Proximity Effect in Adsorption. 0
- 38 Preparation and Electrocatalytic Application of Copper- and Cobalt-Carbon Composites Based on Pyrolyzed Polymer. **2022**, 12, 862
- 37 Can Temperature-Programmed Techniques Provide the Gold Standard for Carbon Surface Characterization?. 0
- 36 Outlook on Single Atom Catalysts for Persulfate-Based Advanced Oxidation. 2
- 35 Vapor-phase hydrogenolysis of glycerol to value-added 1,2-propanediol over copper-nickel bimetallic catalysts supported on activated carbon. 0
- 34 Lanthanoid coordination compounds as diverse self-templating agents towards hierarchically porous Fe₃O₄ electrocatalysts. 0
- 33 Nanoparticle/metal-organic framework hybrid catalysts: elucidating the role of the MOF. **2022**, 58, 10757-10767
- 32 A general method for rapid synthesis of refractory carbides by low-pressure carbothermal shock reduction. **2022**, 119, 1
- 31 Activated Carbon from Used Motor Oils: Synthesis and Application as Supports of Nanosized Fe₃O₄ Oxides. 0
- 30 Textural Characterization by Using an Alternative Langmuir Isotherm and a New Thickness Function. **2022**, 38, 11972-11982 0
- 29 Controlled Synthesis of Carbon-Supported Pt-Based Electrocatalysts for Proton Exchange Membrane Fuel Cells. **2022**, 5, 3
- 28 A review on turning sewage sludge to value-added energy and materials via thermochemical conversion towards carbon neutrality. **2022**, 379, 134657 1
- 27 Fischer-Tropsch synthesis over lignin-derived cobalt-containing porous carbon fiber catalysts. **2023**, 321, 122078 1
- 26 Surface functional groups and degree of carbonization of selected chars from different processes and feedstock. **2022**, 17, e0277365 0
- 25 Green heterogeneous catalysts for cleaner solvent-free production of acetates. 0

- 24 Gold nanoparticles supported on carbon coated magnetic nanoparticles; a robustness and effective catalyst for aerobic alcohols oxidation in water. **2023**, 534, 112772 ○
- 23 Adsorption processes on a carbonaceous surface: Electron spin resonance study. **2023**, 651, 414571 ○
- 22 Effect of Surface Modification on Structural and Thermal Properties of Nanocarbons of Different Dimensionalities. **2022**, 16, 573-580 ○
- 21 Nanopore Structure Evolution of Lower Cambrian Shale in the Western Hubei Area, Southern China, and its Geological Implications based on Thermal Simulation Experimental Results. ○
- 20 Activity of Mono-, Bi-, and Trimetallic Catalysts Pt-Ni-Cr/C in the Bicyclohexyl Dehydrogenation Reaction. **2022**, 27, 8416 ○
- 19 Improved O₂-assisted styrene synthesis by double-function purification of SWCNT catalyst. **2022**, 140723 ○
- 18 On the viability of chitosan-derived mesoporous carbons as supports for PtCu electrocatalysts in PEMFC. **2023**, 141911 ○
- 17 Development of Pd-based catalysts for hydrogenation of nitrite and nitrate in water: A review. **2023**, 446, 130661 ○
- 16 Carbon-based smart nanomaterials. **2023**, 3-24 ○
- 15 Activated carbon for syngas purification. **2023**, 229-250 ○
- 14 Synthesis and applications of biomass-derived carbonaceous materials. **2023**, 559-578 ○
- 13 Opportunities and Challenges in Aqueous Nitrate and Nitrite Reduction beyond Electrocatalysis. ○
- 12 Switching the locus of oxygen reduction and evolution reactions between spinel active phase and carbon carrier upon heteroatoms doping. **2023**, 418, 114043 ○
- 11 Opportunities in the use of carbon materials to develop heterogenized metal complexes for catalytic applications. **2023**, 552, 121513 ○
- 10 Study on adsorption of ammonium and nitrate in wastewater by modified biochar. **2023**, 21, 101346 ○
- 9 Hydrolysis of cellulose to glucose in aqueous phase with phosphate group modified hydroxy-rich carbon-based catalyst. **2023**, 206, 72-83 ○
- 8 Supported boron-based catalysts for oxidative dehydrogenation of light alkanes to olefins. **2023**, 13, 1696-1707 ○
- 7 A review of Co/Co₂C-based catalysts in Fischer-Tropsch synthesis: from fundamental understanding to industrial applications. **2023**, 59, 3827-3837 ○

6	Metal and Metal Oxide Supported on Ordered Mesoporous Carbon as Heterogeneous Catalysts. 2023 , 13, 4060-4090	1
5	Controlled doping of carbon catalyst supports by atomic replacement via gasification-assisted heteroatom doping. 2023 , 207, 207-218	0
4	Research progress on the preparation process of biochar-based catalyst support for dry reforming of methane. 2023 , 51, 273-293	0
3	A CoPd nanoalloy embedded N-doped porous carbon catalyst for the selective reduction and reductive amination of levulinic acid using formic acid in water. 2023 , 7, 1855-1869	0
2	An iron ore-based catalyst for producing hydrogen and metallurgical carbon via catalytic methane pyrolysis for decarbonisation of the steel industry. 2023 ,	0
1	Synthesis of CuS/CNTs/gCN ternary nanocomposite for enhanced photocatalytic response of harmful organic effulents. 2023 , 958, 170468	0